

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM 10-Q

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Quarterly Period Ended December 31, 2017

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Transition Period From _____ to _____

Commission File Number: 001-37845

MICROSOFT CORPORATION

(Exact name of registrant as specified in its charter)

Washington
(State or other jurisdiction of
incorporation or organization)

One Microsoft Way, Redmond, Washington
(Address of principal executive offices)

91-1144442
(I.R.S. Employer
Identification No.)

98052-6399
(Zip Code)

(425) 882-8080

(Registrant's telephone number, including area code)

None

(Former name, former address and former fiscal year, if changed since last report)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company)

Emerging growth company

Accelerated filer

Smaller reporting company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date.

Class

Outstanding as of January 26, 2018

Common Stock, \$0.0000625 par value per share

7,699,792,852 shares

MICROSOFT CORPORATION
FORM 10-Q
For the Quarter Ended December 31, 2017
INDEX

	Page
PART I. FINANCIAL INFORMATION	
Item 1. Financial Statements	3
a) Income Statements for the Three and Six Months Ended December 31, 2017 and 2016	3
b) Comprehensive Income Statements for the Three and Six Months Ended December 31, 2017 and 2016	4
c) Balance Sheets as of December 31, 2017 and June 30, 2017	5
d) Cash Flows Statements for the Three and Six Months Ended December 31, 2017 and 2016	6
e) Stockholders' Equity Statements for the Three and Six Months Ended December 31, 2017 and 2016	7
f) Notes to Financial Statements	8
g) Report of Independent Registered Public Accounting Firm	39
Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations	40
Item 3. Quantitative and Qualitative Disclosures About Market Risk	55
Item 4. Controls and Procedures	56
PART II. OTHER INFORMATION	
Item 1. Legal Proceedings	57
Item 1A. Risk Factors	57
Item 2. Unregistered Sales of Equity Securities and Use of Proceeds	67
Item 5. Other Information	67
Item 6. Exhibits	68
SIGNATURE	69

PART I. FINANCIAL INFORMATION
ITEM 1. FINANCIAL STATEMENTS
INCOME STATEMENTS

(In millions, except per share amounts) (Unaudited)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Revenue:				
Product	\$ 17,926	\$ 18,273	\$ 32,224	\$ 33,241
Service and other	10,992	7,553	21,232	14,513
Total revenue	28,918	25,826	53,456	47,754
Cost of revenue:				
Product	5,498	5,378	8,478	8,959
Service and other	5,566	4,523	10,864	8,786
Total cost of revenue	11,064	9,901	19,342	17,745
Gross margin	17,854	15,925	34,114	30,009
Research and development	3,504	3,062	7,078	6,168
Sales and marketing	4,562	4,079	8,374	7,297
General and administrative	1,109	879	2,275	1,924
Operating income	8,679	7,905	16,387	14,620
Other income, net	490	117	766	229
Income before income taxes	9,169	8,022	17,153	14,849
Provision for income taxes	15,471	1,755	16,879	2,915
Net income (loss)	\$ (6,302)	\$ 6,267	\$ 274	\$ 11,934
Earnings (loss) per share:				
Basic	\$ (0.82)	\$ 0.81	\$ 0.04	\$ 1.54
Diluted	\$ (0.82)	\$ 0.80	\$ 0.04	\$ 1.52
Weighted average shares outstanding:				
Basic	7,710	7,755	7,709	7,772
Diluted	7,710	7,830	7,799	7,853
Cash dividends declared per common share	\$ 0.42	\$ 0.39	\$ 0.84	\$ 0.78

Refer to accompanying notes.

COMPREHENSIVE INCOME STATEMENTS

(In millions) (Unaudited)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Net income (loss)	\$ (6,302)	\$ 6,267	\$ 274	\$ 11,934
Other comprehensive income (loss), net of tax:				
Net change related to derivatives	(7)	280	(113)	243
Net change related to investments	(878)	(994)	(1,166)	(911)
Translation adjustments and other	(40)	(592)	253	(474)
Other comprehensive loss	(925)	(1,306)	(1,026)	(1,142)
Comprehensive income (loss)	\$ (7,227)	\$ 4,961	\$ (752)	\$ 10,792

Refer to accompanying notes. Refer to Note 18 – Accumulated Other Comprehensive Income (Loss) for further information.

BALANCE SHEETS

(In millions) (Unaudited)

	December 31, 2017	June 30, 2017
Assets		
Current assets:		
Cash and cash equivalents	\$ 12,859	\$ 7,663
Short-term investments (including securities loaned of \$4,247 and \$3,694)	129,921	125,318
Total cash, cash equivalents, and short-term investments	142,780	132,981
Accounts receivable, net of allowance for doubtful accounts of \$337 and \$345	18,428	22,431
Inventories	2,003	2,181
Other	4,422	5,103
Total current assets	167,633	162,696
Property and equipment, net of accumulated depreciation of \$26,849 and \$24,179	26,304	23,734
Operating lease right-of-use assets	6,749	6,555
Equity and other investments	3,961	6,023
Goodwill	35,355	35,122
Intangible assets, net	9,034	10,106
Other long-term assets	6,967	6,076
Total assets	\$ 256,003	\$ 250,312
Liabilities and stockholders' equity		
Current liabilities:		
Accounts payable	\$ 7,850	\$ 7,390
Short-term debt	12,466	9,072
Current portion of long-term debt	3,446	1,049
Accrued compensation	4,427	5,819
Short-term income taxes	788	718
Short-term unearned revenue	21,309	24,013
Securities lending payable	26	97
Other	7,787	7,587
Total current liabilities	58,099	55,745
Long-term debt	73,348	76,073
Long-term income taxes	30,050	13,485
Long-term unearned revenue	2,500	2,643
Deferred income taxes	3,186	5,734
Operating lease liabilities	5,640	5,372
Other long-term liabilities	4,820	3,549
Total liabilities	177,643	162,601
Commitments and contingencies		
Stockholders' equity:		
Common stock and paid-in capital – shares authorized 24,000; outstanding 7,705 and 7,708	70,192	69,315
Retained earnings	8,567	17,769
Accumulated other comprehensive income (loss)	(399)	627
Total stockholders' equity	78,360	87,711
Total liabilities and stockholders' equity	\$ 256,003	\$ 250,312

Refer to accompanying notes.

CASH FLOWS STATEMENTS

(In millions) (Unaudited)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Operations				
Net income (loss)	\$ (6,302)	\$ 6,267	\$ 274	\$ 11,934
Adjustments to reconcile net income (loss) to net cash from operations:				
Depreciation, amortization, and other	2,536	2,166	5,035	3,982
Stock-based compensation expense	986	767	1,959	1,470
Net recognized gains on investments and derivatives	(684)	(652)	(1,207)	(963)
Deferred income taxes	(2,305)	5	(2,358)	545
Changes in operating assets and liabilities:				
Accounts receivable	(3,908)	(2,789)	4,041	4,398
Inventories	1,205	1,132	182	265
Other current assets	354	1,300	36	335
Other long-term assets	(344)	(200)	(622)	(293)
Accounts payable	938	99	531	(344)
Unearned revenue	(1,065)	(1,077)	(2,871)	(2,884)
Income taxes	15,974	843	16,635	1,407
Other current liabilities	643	(1,267)	(1,521)	(1,727)
Other long-term liabilities	(153)	(301)	201	(283)
Net cash from operations	7,875	6,293	20,315	17,842
Financing				
Proceeds from issuance (repayments) of short-term debt, maturities of 90 days or less, net	3,759	(3,755)	49	(7,145)
Proceeds from issuance of debt	3,229	17,069	7,183	42,046
Repayments of debt	(3,327)	(4,118)	(4,496)	(4,343)
Common stock issued	189	131	496	372
Common stock repurchased	(2,008)	(3,599)	(4,578)	(7,961)
Common stock cash dividends paid	(3,238)	(3,024)	(6,241)	(5,824)
Other, net	(156)	312	(306)	200
Net cash from (used in) financing	(1,552)	3,016	(7,893)	17,345
Investing				
Additions to property and equipment	(2,586)	(1,988)	(4,718)	(4,151)
Acquisition of companies, net of cash acquired, and purchases of intangible and other assets	(27)	(24,760)	(206)	(24,784)
Purchases of investments	(45,154)	(46,775)	(78,115)	(103,956)
Maturities of investments	6,352	8,715	11,578	17,374
Sales of investments	41,261	48,987	64,297	81,310
Securities lending payable	(177)	1,070	(71)	986
Net cash used in investing	(331)	(14,751)	(7,235)	(33,221)
Effect of foreign exchange rates on cash and cash equivalents	(17)	(18)	9	(8)
Net change in cash and cash equivalents	5,975	(5,460)	5,196	1,958
Cash and cash equivalents, beginning of period	6,884	13,928	7,663	6,510
Cash and cash equivalents, end of period	\$ 12,859	\$ 8,468	\$ 12,859	\$ 8,468

Refer to accompanying notes.

STOCKHOLDERS' EQUITY STATEMENTS

(In millions) (Unaudited)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Common stock and paid-in capital				
Balance, beginning of period	\$ 69,419	\$ 67,747	\$ 69,315	\$ 68,178
Common stock issued	189	131	496	372
Common stock repurchased	(402)	(561)	(1,577)	(1,935)
Stock-based compensation expense	986	767	1,959	1,470
Other, net	0	93	(1)	92
Balance, end of period	<u>70,192</u>	<u>68,177</u>	<u>70,192</u>	<u>68,177</u>
Retained earnings				
Balance, beginning of period	19,702	12,757	17,769	13,118
Net income (loss)	(6,302)	6,267	274	11,934
Common stock cash dividends	(3,232)	(3,003)	(6,471)	(6,028)
Common stock repurchased	(1,601)	(3,021)	(3,005)	(6,024)
Balance, end of period	<u>8,567</u>	<u>13,000</u>	<u>8,567</u>	<u>13,000</u>
Accumulated other comprehensive income (loss)				
Balance, beginning of period	526	1,958	627	1,794
Other comprehensive loss	(925)	(1,306)	(1,026)	(1,142)
Balance, end of period	<u>(399)</u>	<u>652</u>	<u>(399)</u>	<u>652</u>
Total stockholders' equity	<u>\$ 78,360</u>	<u>\$ 81,829</u>	<u>\$ 78,360</u>	<u>\$ 81,829</u>

Refer to accompanying notes.

NOTES TO FINANCIAL STATEMENTS
(Unaudited)

NOTE 1 — ACCOUNTING POLICIES

Accounting Principles

Our unaudited interim consolidated financial statements and accompanying notes are prepared in accordance with accounting principles generally accepted in the United States of America (“GAAP”). In the opinion of management, the unaudited interim consolidated financial statements reflect all adjustments of a normal recurring nature that are necessary for a fair presentation of the results for the interim periods presented. Interim results are not necessarily indicative of results for a full year. The information included in this Form 10-Q should be read in conjunction with information included in the Microsoft Corporation 2017 Form 10-K filed with the U.S. Securities and Exchange Commission on August 2, 2017.

Principles of Consolidation

The consolidated financial statements include the accounts of Microsoft Corporation and its subsidiaries. Intercompany transactions and balances have been eliminated. Equity investments for which we are able to exercise significant influence over but do not control the investee and are not the primary beneficiary of the investee’s activities are accounted for using the equity method. Investments for which we are not able to exercise significant influence over the investee and which do not have readily determinable fair values are accounted for under the cost method.

Estimates and Assumptions

Preparing financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenue, and expenses. Examples of estimates and assumptions include: for revenue recognition, determining the nature and timing of satisfaction of performance obligations, and determining the standalone selling price (“SSP”) of performance obligations, variable consideration, and other obligations such as product returns and refunds; loss contingencies; product warranties; the fair value of and/or potential impairment of goodwill and intangible assets for our reporting units; product life cycles; useful lives of our tangible and intangible assets; allowances for doubtful accounts; the market value of, and demand for, our inventory; stock-based compensation forfeiture rates; when technological feasibility is achieved for our products; the potential outcome of future tax consequences of events that have been recognized on our consolidated financial statements or tax returns; and determining when investment impairments are other-than-temporary. Actual results and outcomes may differ from management’s estimates and assumptions.

Revenue

Product Revenue and Service and Other Revenue

Product revenue includes sales from operating systems; cross-device productivity applications; server applications; business solution applications; desktop and server management tools; software development tools; video games; and hardware such as PCs, tablets, gaming and entertainment consoles, other intelligent devices, and related accessories.

Service and other revenue includes sales from cloud-based solutions that provide customers with software, services, platforms, and content such as Microsoft Office 365, Microsoft Azure, Microsoft Dynamics 365, and Xbox Live; solution support; and consulting services. Service and other revenue also includes sales from online advertising and LinkedIn.

Revenue Recognition

Revenue is recognized upon transfer of control of promised products or services to customers in an amount that reflects the consideration we expect to receive in exchange for those products or services. We enter into contracts that can include various combinations of products and services, which are generally capable of being distinct and accounted for as separate performance obligations. Revenue is recognized net of allowances for returns and any taxes collected from customers, which are subsequently remitted to governmental authorities.

Nature of Products and Services

Licenses for on-premises software provide the customer with a right to use the software as it exists when made available to the customer. Customers may purchase perpetual licenses or subscribe to licenses, which provide customers with the same functionality and differ mainly in the duration over which the customer benefits from the software. Revenue from distinct on-premises licenses is recognized upfront at the point in time when the software is made available to the customer. In cases where we allocate revenue to software updates, primarily because the updates are provided at no additional charge, revenue is recognized as the updates are provided, which is generally ratably over the estimated life of the related device or license.

Certain volume licensing programs, including Enterprise Agreements, include on-premises licenses combined with Software Assurance ("SA"). SA conveys rights to new software and upgrades released over the contract period and provides support, tools, and training to help customers deploy and use products more efficiently. On-premises licenses are considered distinct performance obligations when sold with SA. Revenue allocated to SA is generally recognized ratably over the contract period as customers simultaneously consume and receive benefits, given that SA comprises distinct performance obligations that are satisfied over time.

Cloud services, which allow customers to use hosted software over the contract period without taking possession of the software, are provided on either a subscription or consumption basis. Revenue related to cloud services provided on a subscription basis is recognized ratably over the contract period. Revenue related to cloud services provided on a consumption basis, such as the amount of storage used in a period, is recognized based on the customer utilization of such resources. When cloud services require a significant level of integration and interdependency with software and the individual components are not considered distinct, all revenue is recognized over the period in which the cloud services are provided.

Revenue from search advertising is recognized when the advertisement appears in the search results or when the action necessary to earn the revenue has been completed. Revenue from consulting services is recognized as services are provided.

Our hardware is generally highly dependent on, and interrelated with, the underlying operating system and cannot function without the operating system. In these cases, the hardware and software license are accounted for as a single performance obligation and revenue is recognized at the point in time when ownership is transferred to resellers or directly to end customers through retail stores and online marketplaces.

Refer to Note 19 – Segment Information and Geographic Data for further information, including revenue by significant product and service offering.

Significant Judgments

Our contracts with customers often include promises to transfer multiple products and services to a customer. Determining whether products and services are considered distinct performance obligations that should be accounted for separately versus together may require significant judgment. When a cloud-based service includes both on-premises software licenses and cloud services, judgment is required to determine whether the software license is considered distinct and accounted for separately, or not distinct and accounted for together with the cloud service and recognized over time. Certain cloud services, primarily Office 365, depend on a significant level of integration, interdependency, and interrelation between the desktop applications and cloud services, and are accounted for together as one performance obligation. Revenue from Office 365 is recognized ratably over the period in which the cloud services are provided.

Judgment is required to determine the SSP for each distinct performance obligation. We use a single amount to estimate SSP for items that are not sold separately, including on-premises licenses sold with SA or software updates provided at no additional charge. We use a range of amounts to estimate SSP when we sell each of the products and services separately and need to determine whether there is a discount to be allocated based on the relative SSP of the various products and services.

In instances where SSP is not directly observable, such as when we do not sell the product or service separately, we determine the SSP using information that may include market conditions and other observable inputs. We typically have more than one SSP for individual products and services due to the stratification of those products and services by customers and circumstances. In these instances, we may use information such as the size of the customer and geographic region in determining the SSP.

Due to the various benefits from and the nature of our SA program, judgment is required to assess the pattern of delivery, including the exercise pattern of certain benefits across our portfolio of customers.

Our products are generally sold with a right of return and we may provide other credits or incentives, which are accounted for as variable consideration when estimating the amount of revenue to recognize. Returns and credits are estimated at contract inception and updated at the end of each reporting period as additional information becomes available.

Contract Balances

Timing of revenue recognition may differ from the timing of invoicing to customers. We record a receivable when revenue is recognized prior to invoicing, or unearned revenue when revenue is recognized subsequent to invoicing. For multi-year agreements, we generally invoice customers annually at the beginning of each annual coverage period. We record a receivable related to revenue recognized for multi-year on-premises licenses as we have an unconditional right to invoice and receive payment in the future related to those licenses.

The opening balance of current and long-term accounts receivable, net of allowance for doubtful accounts, was \$22.3 billion as of July 1, 2016.

As of December 31, 2017 and June 30, 2017, long-term accounts receivable, net of allowance for doubtful accounts, were \$1.6 billion and \$1.7 billion, respectively, and are included in other long-term assets on our consolidated balance sheets.

The allowance for doubtful accounts reflects our best estimate of probable losses inherent in the accounts receivable balance. We determine the allowance based on known troubled accounts, historical experience, and other currently available evidence.

Activity in the allowance for doubtful accounts was as follows:

(In millions)

Six Months Ended December 31, 2017

Balance, beginning of period	\$	361
Charged to costs and other		45
Write-offs		(53)

Balance, end of period	\$	<u>353</u>
------------------------	----	------------

Reported as of December 31, 2017

Accounts receivable, net of allowance for doubtful accounts	\$	337
Other long-term assets		16
Total	\$	<u>353</u>

Unearned revenue is comprised mainly of unearned revenue related to volume licensing programs, which may include SA and cloud services. Unearned revenue is generally invoiced annually at the beginning of each contract period for multi-year agreements and recognized ratably over the coverage period. Unearned revenue also includes payments for consulting services to be performed in the future; LinkedIn subscriptions; Office 365 subscriptions; Xbox Live subscriptions; Dynamics business solutions; Windows 10 post-delivery support; Skype prepaid credits and subscriptions; and other offerings for which we have been paid in advance and earn the revenue when we transfer control of the product or service.

Refer to Note 14 – Unearned Revenue for further information, including unearned revenue by segment and changes in unearned revenue during the period.

Payment terms and conditions vary by contract type, although terms generally include a requirement of payment within 30 to 60 days. In instances where the timing of revenue recognition differs from the timing of invoicing, we have determined our contracts generally do not include a significant financing component. The primary purpose of our invoicing terms is to provide customers with simplified and predictable ways of purchasing our products and services, not to receive financing from our customers or to provide customers with financing. Examples include invoicing at the beginning of a subscription term with revenue recognized ratably over the contract period, and multi-year on-premises licenses that are invoiced annually with revenue recognized upfront.

Assets Recognized from Costs to Obtain a Contract with a Customer

We recognize an asset for the incremental costs of obtaining a contract with a customer if we expect the benefit of those costs to be longer than one year. We have determined that certain sales incentive programs meet the requirements to be capitalized. Total capitalized costs to obtain a contract were immaterial during the periods presented and are included in other current and long-term assets on our consolidated balance sheets.

We apply a practical expedient to expense costs as incurred for costs to obtain a contract with a customer when the amortization period would have been one year or less. These costs include our internal sales force compensation program and certain partner sales incentive programs as we have determined annual compensation is commensurate with annual sales activities.

Leases

We determine if an arrangement is a lease at inception. Operating leases are included in operating lease right-of-use ("ROU") assets, other current liabilities, and operating lease liabilities on our consolidated balance sheets. Finance leases are included in property and equipment, other current liabilities, and other long-term liabilities on our consolidated balance sheets.

ROU assets represent our right to use an underlying asset for the lease term and lease liabilities represent our obligation to make lease payments arising from the lease. Operating lease ROU assets and liabilities are recognized at commencement date based on the present value of lease payments over the lease term. As most of our leases do not provide an implicit rate, we use our incremental borrowing rate based on the information available at commencement date in determining the present value of lease payments. The operating lease ROU asset also includes any lease payments made and excludes lease incentives. Our lease terms may include options to extend or terminate the lease when it is reasonably certain that we will exercise that option. Lease expense for lease payments is recognized on a straight-line basis over the lease term.

We have lease agreements with lease and non-lease components, which are generally accounted for separately. For certain equipment leases, such as vehicles, we account for the lease and non-lease components as a single lease component. Additionally, for certain equipment leases, we apply a portfolio approach to effectively account for the operating lease ROU assets and liabilities.

Recent Tax Legislation

On December 22, 2017, the Tax Cuts and Jobs Act ("TCJA") was enacted into law, which significantly changes existing U.S. tax law and includes numerous provisions that affect our business. Refer to Note 12 – Income Taxes for further discussion.

As a result of the TCJA, we have recast certain prior period income tax liabilities on our consolidated balance sheets to conform to the current period presentation. Previously reported balances were impacted as follows:

(In millions)	As Previously Reported	As Adjusted	As Previously Reported	As Adjusted
		June 30, 2017		September 30, 2017
Balance Sheets				
Long-term income taxes	\$ 0	\$ 13,485	\$ 0	\$ 13,944
Other long-term liabilities	17,034	3,549	18,173	4,229

These adjustments had no impact on our consolidated income statements or net cash from or used in operating, financing, or investing on our consolidated cash flows statements.

Recent Accounting Guidance**Recently Adopted Accounting Guidance****Leases**

In February 2016, the Financial Accounting Standards Board ("FASB") issued a new standard related to leases to increase transparency and comparability among organizations by requiring the recognition of ROU assets and lease liabilities on the balance sheet. Most prominent among the changes in the standard is the recognition of ROU assets

and lease liabilities by lessees for those leases classified as operating leases. Under the standard, disclosures are required to meet the objective of enabling users of financial statements to assess the amount, timing, and uncertainty of cash flows arising from leases. We are also required to recognize and measure leases existing at, or entered into after, the beginning of the earliest comparative period presented using a modified retrospective approach, with certain practical expedients available.

We elected to early adopt the standard effective July 1, 2017 concurrent with our adoption of the new standard related to revenue recognition. We elected the available practical expedients and implemented internal controls and key system functionality to enable the preparation of financial information on adoption.

The standard had a material impact on our consolidated balance sheets, but did not have an impact on our consolidated income statements. The most significant impact was the recognition of ROU assets and lease liabilities for operating leases, while our accounting for finance leases remained substantially unchanged. Adoption of the standard required us to restate certain previously reported results, including the recognition of additional ROU assets and lease liabilities for operating leases. Refer to Impacts to Previously Reported Results below for the impact of adoption of the standard on our consolidated financial statements.

Revenue from Contracts with Customers

In May 2014, the FASB issued a new standard related to revenue recognition. Under the standard, revenue is recognized when a customer obtains control of promised goods or services in an amount that reflects the consideration the entity expects to receive in exchange for those goods or services. In addition, the standard requires disclosure of the nature, amount, timing, and uncertainty of revenue and cash flows arising from contracts with customers.

We elected to early adopt the standard effective July 1, 2017, using the full retrospective method, which required us to restate each prior reporting period presented. We implemented internal controls and key system functionality to enable the preparation of financial information on adoption.

The most significant impact of the standard relates to our accounting for software license revenue. Specifically, for Windows 10, we recognize revenue predominantly at the time of billing and delivery rather than ratably over the life of the related device. For certain multi-year commercial software subscriptions that include both distinct software licenses and SA, we recognize license revenue at the time of contract execution rather than over the subscription period. Due to the complexity of certain of our commercial license subscription contracts, the actual revenue recognition treatment required under the standard depends on contract-specific terms and in some instances may vary from recognition at the time of billing. Revenue recognition related to our hardware, cloud offerings (such as Office 365), LinkedIn, and professional services remains substantially unchanged.

Adoption of the standard using the full retrospective method required us to restate certain previously reported results, including the recognition of additional revenue and an increase in the provision for income taxes, primarily due to the net change in Windows 10 revenue recognition. In addition, adoption of the standard resulted in an increase in accounts receivable and other current and long-term assets, driven by unbilled receivables from upfront recognition of revenue for certain multi-year commercial software subscriptions that include both distinct software licenses and SA; a reduction of unearned revenue, driven by the upfront recognition of license revenue from Windows 10 and certain multi-year commercial software subscriptions; and an increase in deferred income taxes, driven by the upfront recognition of revenue. Refer to Impacts to Previously Reported Results below for the impact of adoption of the standard on our consolidated financial statements.

Impacts to Previously Reported Results

Adoption of the standards related to revenue recognition and leases impacted our previously reported results as follows:

(In millions, except per share amounts)	As Previously Reported	New Revenue Standard Adjustment	As Restated
Income Statements			
Three Months Ended December 31, 2016			
Revenue	\$ 24,090	\$ 1,736	\$ 25,826
Provision for income taxes	1,163	592	1,755
Net income	5,200	1,067	6,267
Diluted earnings per share	0.66	0.14	0.80
Six Months Ended December 31, 2016			
Revenue	\$ 44,543	\$ 3,211	\$ 47,754
Provision for income taxes	1,798	1,117	2,915
Net income	9,890	2,044	11,934
Diluted earnings per share	1.26	0.26	1.52

(In millions)	As Previously Reported	New Revenue Standard Adjustment	New Lease Standard Adjustment	As Restated
Balance Sheets				
June 30, 2017				
Accounts receivable, net of allowance for doubtful accounts	\$ 19,792	\$ 2,639	\$ 0	\$ 22,431
Operating lease right-of-use assets	0	0	6,555	6,555
Other current and long-term assets	11,147	32	0	11,179
Unearned revenue	44,479	(17,823)	0	26,656
Deferred income taxes	531	5,203	0	5,734
Operating lease liabilities	0	0	5,372	5,372
Other current and long-term liabilities	23,464	(26)	1,183	24,621
Stockholders' equity	72,394	15,317	0	87,711

Adoption of the standards related to revenue recognition and leases had no impact to cash from or used in operating, financing, or investing on our consolidated cash flows statements.

Recent Accounting Guidance Not Yet Adopted*Financial Instruments – Targeted Improvements to Accounting for Hedging Activities*

In August 2017, the FASB issued new guidance related to accounting for hedging activities. This guidance expands strategies that qualify for hedge accounting, changes how many hedging relationships are presented in the financial statements, and simplifies the application of hedge accounting in certain situations. The standard will be effective for us beginning July 1, 2019, with early adoption permitted for any interim or annual period before the effective date. Adoption of the standard will be applied using a modified retrospective approach through a cumulative-effect adjustment to retained earnings as of the effective date. We are currently evaluating the impact of this standard on our consolidated financial statements, including accounting policies, processes, and systems.

Accounting for Income Taxes – Intra-Entity Asset Transfers

In October 2016, the FASB issued new guidance requiring an entity to recognize the income tax consequences of an intra-entity transfer of an asset other than inventory when the transfer occurs, rather than when the asset has been sold to an outside party. This guidance is effective for us beginning July 1, 2018, with early adoption permitted beginning July 1, 2017. We plan to adopt the guidance effective July 1, 2018. Adoption of the guidance will be applied using a modified retrospective approach through a cumulative-effect adjustment to retained earnings as of the effective date. A cumulative-effect adjustment will capture the write-off of income tax consequences deferred

from past intra-entity transfers involving assets other than inventory and new deferred tax assets for amounts not recognized under current GAAP. As a result of the TCJA, we are currently re-evaluating the impact of this standard on our consolidated financial statements, including accounting policies, processes, and systems.

Financial Instruments – Credit Losses

In June 2016, the FASB issued a new standard to replace the incurred loss impairment methodology under current GAAP with a methodology that reflects expected credit losses and requires consideration of a broader range of reasonable and supportable information to inform credit loss estimates. We will be required to use a forward-looking expected credit loss model for accounts receivables, loans, and other financial instruments. Credit losses relating to available-for-sale debt securities will also be recorded through an allowance for credit losses rather than as a reduction in the amortized cost basis of the securities. The standard will be effective for us beginning July 1, 2020, with early adoption permitted beginning July 1, 2019. Adoption of the standard will be applied using a modified retrospective approach through a cumulative-effect adjustment to retained earnings as of the effective date to align our credit loss methodology with the new standard. We are currently evaluating the impact of this standard on our consolidated financial statements, including accounting policies, processes, and systems.

Financial Instruments – Recognition, Measurement, Presentation, and Disclosure

In January 2016, the FASB issued a new standard related to certain aspects of recognition, measurement, presentation, and disclosure of financial instruments. Most prominent among the changes in the standard is the requirement for changes in the fair value of our equity investments, with certain exceptions, to be recognized through net income rather than other comprehensive income ("OCI"). Under the standard, equity investments that do not have a readily determinable fair value are eligible for the measurement alternative. Using the measurement alternative, investments without readily determinable fair values will be valued at cost, with adjustments to fair value for changes in price or impairments reflected through net income.

The standard will be effective for us beginning July 1, 2018. Adoption of the standard will be applied using a modified retrospective approach through a cumulative-effect adjustment from accumulated other comprehensive income ("AOCI") to retained earnings as of the effective date. A cumulative-effect adjustment will capture any previously held unrealized gains and losses held in AOCI related to our equity investments carried at fair value as well as the impact of recording the fair value of certain equity investments carried at cost. The remaining implementation matters include establishing processes and controls around equity securities without readily determinable fair values and evaluating the impact of the standard to our accounting policies and disclosures. We expect to elect the measurement alternative for equity investments that do not have readily determinable fair values.

The impact on our consolidated balance sheets upon adoption will depend on the unrealized gains and losses held in AOCI related to our equity investments on the date of adoption, and on any impact the new guidance may have on our equity investments carried at cost. See Note 4 – Investments for our current investment balances. The impact of the standard going forward on our consolidated income statement will be dependent on our equity investment holdings, with adjustments to fair value reflected through net income. Adoption of the standard is expected to have no impact to cash from or used in operating, financing or investing on our consolidated cash flows statements.

NOTE 2 — EARNINGS PER SHARE

Basic earnings per share (“EPS”) is computed based on the weighted average number of shares of common stock outstanding during the period. Diluted EPS is computed based on the weighted average number of shares of common stock plus the effect of dilutive potential common shares outstanding during the period using the treasury stock method. Dilutive potential common shares include outstanding stock options and stock awards.

The components of basic and diluted EPS were as follows:

(In millions, except per share amounts)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Net income (loss) available for common shareholders (A)	\$ (6,302)	\$ 6,267	\$ 274	\$ 11,934
Weighted average outstanding shares of common stock (B)	7,710	7,755	7,709	7,772
Dilutive effect of stock-based awards	0	75	90	81
Common stock and common stock equivalents (C)	7,710	7,830	7,799	7,853
Earnings (Loss) Per Share				
Basic (A/B)	\$ (0.82)	\$ 0.81	\$ 0.04	\$ 1.54
Diluted (A/C)	\$ (0.82)	\$ 0.80	\$ 0.04	\$ 1.52

Anti-dilutive stock-based awards excluded from the calculations of diluted EPS were immaterial during the periods presented. In periods where we recognized a net loss, we excluded the impact of potentially dilutive outstanding stock-based awards from the calculation of diluted loss per share as their inclusion would have an antidilutive effect.

NOTE 3 — OTHER INCOME (EXPENSE), NET

The components of other income (expense), net were as follows:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Dividends and interest income	\$ 530	\$ 311	\$ 1,003	\$ 604
Interest expense	(698)	(521)	(1,370)	(958)
Net recognized gains on investments	768	698	1,341	1,103
Net losses on derivatives	(84)	(46)	(134)	(140)
Net losses on foreign currency remeasurements	(60)	(153)	(69)	(193)
Other, net	34	(172)	(5)	(187)
Total	\$ 490	\$ 117	\$ 766	\$ 229

Following are details of net recognized gains (losses) on investments during the periods reported:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Other-than-temporary impairments of investments	\$ (24)	\$ (21)	\$ (30)	\$ (39)
Realized gains from sales of available-for-sale securities	1,066	851	1,737	1,334
Realized losses from sales of available-for-sale securities	(274)	(132)	(366)	(192)
Total	\$ 768	\$ 698	\$ 1,341	\$ 1,103

NOTE 4 — INVESTMENTS

Investment Components

The components of investments, including associated derivatives, were as follows:

(In millions)	Cost Basis	Unrealized Gains	Unrealized Losses	Recorded Basis	Cash and Cash Equivalents	Short-term Investments	Equity and Other Investments
December 31, 2017							
Cash	\$ 3,877	\$ 0	\$ 0	\$ 3,877	\$ 3,877	\$ 0	\$ 0
Mutual funds	1,080	0	0	1,080	1,080	0	0
Commercial paper	1,533	0	0	1,533	904	629	0
Certificates of deposit	1,832	0	0	1,832	1,642	190	0
U.S. government and agency securities	119,085	34	(746)	118,373	4,465	113,908	0
Foreign government bonds	6,605	2	(12)	6,595	891	5,704	0
Mortgage- and asset-backed securities	3,952	7	(7)	3,952	0	3,952	0
Corporate notes and bonds	5,172	48	(14)	5,206	0	5,206	0
Municipal securities	284	47	0	331	0	331	0
Common and preferred stock	1,697	1,707	(6)	3,398	0	0	3,398
Other investments	564	0	0	564	0	1	563
Total	\$ 145,681	\$ 1,845	\$ (785)	\$ 146,741	\$ 12,859	\$ 129,921	\$ 3,961

(In millions)	Cost Basis	Unrealized Gains	Unrealized Losses	Recorded Basis	Cash and Cash Equivalents	Short-term Investments	Equity and Other Investments
June 30, 2017							
Cash	\$ 3,624	\$ 0	\$ 0	\$ 3,624	\$ 3,624	\$ 0	\$ 0
Mutual funds	1,478	0	0	1,478	1,478	0	0
Commercial paper	319	0	0	319	69	250	0
Certificates of deposit	1,358	0	0	1,358	972	386	0
U.S. government and agency securities	112,119	85	(360)	111,844	16	111,828	0
Foreign government bonds	5,276	2	(13)	5,265	1,504	3,761	0
Mortgage- and asset-backed securities	3,921	14	(4)	3,931	0	3,931	0
Corporate notes and bonds	4,786	61	(12)	4,835	0	4,835	0
Municipal securities	284	43	0	327	0	327	0
Common and preferred stock	2,472	3,062	(34)	5,500	0	0	5,500
Other investments	523	0	0	523	0	0	523
Total	\$ 136,160	\$ 3,267	\$ (423)	\$ 139,004	\$ 7,663	\$ 125,318	\$ 6,023

As of December 31, 2017 and June 30, 2017, the recorded bases of common and preferred stock that are restricted for more than one year or are not publicly traded were \$1.0 billion and \$1.1 billion, respectively. These investments are carried at cost and are reviewed quarterly for indicators of other-than-temporary impairment. It is not practicable for us to reliably estimate the fair value of these investments.

We lend certain fixed-income and equity securities to increase investment returns. These transactions are accounted for as secured borrowings and the loaned securities continue to be carried as investments on our consolidated balance sheets. Cash and/or security interests are received as collateral for the loaned securities with the amount determined based upon the underlying security lent and the creditworthiness of the borrower. Cash received is recorded as an asset with a corresponding liability. As of December 31, 2017 and June 30, 2017, collateral received under agreements for loaned securities was \$4.3 billion and \$3.7 billion, respectively, and was primarily comprised of U.S. government and agency securities.

Unrealized Losses on Investments

Investments with continuous unrealized losses for less than 12 months and 12 months or greater and their related fair values were as follows:

(In millions)	Less than 12 Months		12 Months or Greater		Total Fair Value	Total Unrealized Losses
	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses		
December 31, 2017						
U.S. government and agency securities	\$ 101,552	\$ (672)	\$ 2,855	\$ (74)	\$ 104,407	\$ (746)
Foreign government bonds	2,537	(1)	34	(11)	2,571	(12)
Mortgage- and asset-backed securities	1,317	(3)	338	(4)	1,655	(7)
Corporate notes and bonds	1,118	(6)	439	(8)	1,557	(14)
Common and preferred stock	17	0	36	(6)	53	(6)
Total	\$ 106,541	\$ (682)	\$ 3,702	\$ (103)	\$ 110,243	\$ (785)

(In millions)	Less than 12 Months		12 Months or Greater		Total Fair Value	Total Unrealized Losses
	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses		
June 30, 2017						
U.S. government and agency securities	\$ 87,558	\$ (348)	\$ 371	\$ (12)	\$ 87,929	\$ (360)
Foreign government bonds	4,006	(2)	23	(11)	4,029	(13)
Mortgage- and asset-backed securities	1,068	(3)	198	(1)	1,266	(4)
Corporate notes and bonds	669	(8)	177	(4)	846	(12)
Common and preferred stock	69	(6)	148	(28)	217	(34)
Total	\$ 93,370	\$ (367)	\$ 917	\$ (56)	\$ 94,287	\$ (423)

Unrealized losses from fixed-income securities are primarily attributable to changes in interest rates. Unrealized losses from domestic and international equities are due to market price movements. Management does not believe any remaining unrealized losses represent other-than-temporary impairments based on our evaluation of available evidence.

Debt Investment Maturities

(In millions)	Cost Basis	Estimated Fair Value
December 31, 2017		
Due in one year or less	\$ 19,448	\$ 19,447
Due after one year through five years	103,950	103,341
Due after five years through 10 years	14,143	14,083
Due after 10 years	922	951
Total	\$ 138,463	\$ 137,822

NOTE 5 — DERIVATIVES

We use derivative instruments to manage risks related to foreign currencies, equity prices, interest rates, and credit; to enhance investment returns; and to facilitate portfolio diversification. Our objectives for holding derivatives include reducing, eliminating, and efficiently managing the economic impact of these exposures as effectively as possible.

Our derivative programs include strategies that both qualify and do not qualify for hedge accounting treatment. All notional amounts presented below are measured in U.S. dollar equivalents.

Foreign Currency

Certain forecasted transactions, assets, and liabilities are exposed to foreign currency risk. We monitor our foreign currency exposures daily to maximize the economic effectiveness of our foreign currency hedge positions. Option and forward contracts are used to hedge a portion of forecasted international revenue for up to three years in the future and are designated as cash flow hedging instruments. Principal currencies hedged include the euro, Japanese yen, British pound, Canadian dollar, and Australian dollar. As of December 31, 2017 and June 30, 2017, the total notional amounts of these foreign exchange contracts sold were \$7.5 billion and \$8.9 billion, respectively.

Foreign currency risks related to certain non-U.S. dollar denominated securities are hedged using foreign exchange forward contracts that are designated as fair value hedging instruments. As of December 31, 2017 and June 30, 2017, the total notional amounts of these foreign exchange contracts sold were \$5.6 billion and \$5.1 billion, respectively.

Certain options and forwards not designated as hedging instruments are also used to manage the variability in foreign exchange rates on certain balance sheet amounts and to manage other foreign currency exposures. As of December 31, 2017, the total notional amounts of these foreign exchange contracts purchased and sold were \$8.9 billion and \$10.4 billion, respectively. As of June 30, 2017, the total notional amounts of these foreign exchange contracts purchased and sold were \$8.8 billion and \$10.6 billion, respectively.

Equity

Securities held in our equity and other investments portfolio are subject to market price risk. Market price risk is managed relative to broad-based global and domestic equity indices using certain convertible preferred investments, options, futures, and swap contracts not designated as hedging instruments. From time to time, to hedge our price risk, we may use and designate equity derivatives as hedging instruments, including puts, calls, swaps, and forwards. As of December 31, 2017, the total notional amounts of equity contracts purchased and sold for managing market price risk were \$1.5 billion and \$1.9 billion, respectively, of which \$1.4 billion and \$1.6 billion, respectively, were designated as hedging instruments. As of June 30, 2017, the total notional amounts of equity contracts purchased and sold for managing market price risk were \$1.9 billion and \$2.4 billion, respectively, of which \$1.6 billion and \$1.8 billion, respectively, were designated as hedging instruments.

Interest Rate

Securities held in our fixed-income portfolio are subject to different interest rate risks based on their maturities. We manage the average maturity of our fixed-income portfolio to achieve economic returns that correlate to certain broad-based fixed-income indices using exchange-traded option and futures contracts, and over-the-counter swap and option contracts, none of which are designated as hedging instruments. As of December 31, 2017, the total notional amounts of fixed-interest rate contracts purchased and sold were \$584 million and \$377 million, respectively. As of June 30, 2017, the total notional amounts of fixed-interest rate contracts purchased and sold were \$233 million and \$352 million, respectively.

In addition, we use "To Be Announced" forward purchase commitments of mortgage-backed assets to gain exposure to agency mortgage-backed securities. These meet the definition of a derivative instrument in cases where physical delivery of the assets is not taken at the earliest available delivery date. As of December 31, 2017 and June 30, 2017, the total notional derivative amounts of mortgage contracts purchased were \$542 million and \$567 million, respectively.

Credit

Our fixed-income portfolio is diversified and consists primarily of investment-grade securities. We use credit default swap contracts, not designated as hedging instruments, to manage credit exposures relative to broad-based indices and to facilitate portfolio diversification. We use credit default swaps as they are a low-cost method of managing exposure to individual credit risks or groups of credit risks. As of December 31, 2017, the total notional amounts of credit contracts purchased and sold were \$240 million and \$48 million, respectively. As of June 30, 2017, the total notional amounts of credit contracts purchased and sold were \$267 million and \$63 million, respectively.

Credit-Risk-Related Contingent Features

Certain of our counterparty agreements for derivative instruments contain provisions that require our issued and outstanding long-term unsecured debt to maintain an investment grade credit rating and require us to maintain minimum liquidity of \$1.0 billion. To the extent we fail to meet these requirements, we will be required to post collateral, similar to the standard convention related to over-the-counter derivatives. As of December 31, 2017, our long-term unsecured debt rating was AAA, and cash investments were in excess of \$1.0 billion. As a result, no collateral was required to be posted.

Fair Values of Derivative Instruments

Derivative instruments are recognized as either assets or liabilities and are measured at fair value. The accounting for changes in the fair value of a derivative depends on the intended use of the derivative and the resulting designation.

For derivative instruments designated as fair value hedges, the gains (losses) are recognized in earnings in the periods of change together with the offsetting (losses) gains on the hedged items attributed to the risk being hedged. For options designated as fair value hedges, changes in the time value are excluded from the assessment of hedge effectiveness and are recognized in earnings.

For derivative instruments designated as cash flow hedges, the effective portion of the gains (losses) on the derivatives is initially reported as a component of OCI and is subsequently recognized in earnings when the hedged exposure is recognized in earnings. For options designated as cash flow hedges, changes in the time value are excluded from the assessment of hedge effectiveness and are recognized in earnings. Gains (losses) on derivatives representing either hedge components excluded from the assessment of effectiveness or hedge ineffectiveness are recognized in earnings.

For derivative instruments that are not designated as hedges, gains (losses) from changes in fair values are primarily recognized in other income (expense), net. Other than those derivatives entered into for investment purposes, the gains (losses) are generally economically offset by unrealized gains (losses) in the underlying available-for-sale securities, which are recorded as a component of OCI until the securities are sold or other-than-temporarily impaired, at which time the amounts are reclassified from AOCI into other income (expense), net.

The following table presents the fair values of derivative instruments designated as hedging instruments (“designated hedge derivatives”) and not designated as hedging instruments (“non-designated hedge derivatives”). The fair values exclude the impact of netting derivative assets and liabilities when a legally enforceable master netting agreement exists and fair value adjustments related to our own credit risk and counterparty credit risk:

(In millions)	Assets				Liabilities	
	Short-term Investments	Other Current Assets	Equity and Other Investments	Other Long-term Assets	Other Current Liabilities	Other Long-term Liabilities
December 31, 2017						
Non-designated Hedge Derivatives						
Foreign exchange contracts	\$ 5	\$ 145	\$ 0	\$ 32	\$ (165)	\$ (5)
Equity contracts	7	0	0	0	(1)	0
Interest rate contracts	4	0	0	0	(5)	0
Credit contracts	3	0	0	0	(1)	0
Total	\$ 19	\$ 145	\$ 0	\$ 32	\$ (172)	\$ (5)
Designated Hedge Derivatives						
Foreign exchange contracts	\$ 10	\$ 48	\$ 0	\$ 3	\$ (27)	\$ (5)
Equity contracts	0	0	7	0	(328)	0
Total	\$ 10	\$ 48	\$ 7	\$ 3	\$ (355)	\$ (5)
Total gross amounts of derivatives	\$ 29	\$ 193	\$ 7	\$ 35	\$ (527)	\$ (10)
Gross derivatives either offset or subject to an enforceable master netting agreement	\$ 28	\$ 193	\$ 7	\$ 35	\$ (526)	\$ (10)
Gross amounts of derivatives offset on the balance sheet	(30)	(115)	(7)	(7)	152	7
Net amounts presented on the balance sheet	(2)	78	0	28	(374)	(3)
Gross amounts of derivatives not offset on the balance sheet	0	0	0	0	0	0
Cash collateral received	0	0	0	0	(51)	0
Net amount	\$ (2)	\$ 78	\$ 0	\$ 28	\$ (425)	\$ (3)

(In millions)	Assets				Liabilities	
	Short-term Investments	Other Current Assets	Equity and Other Investments	Other Long-term Assets	Other Current Liabilities	Other Long-term Liabilities
June 30, 2017						
Non-designated Hedge Derivatives						
Foreign exchange contracts	\$ 9	\$ 203	\$ 0	\$ 6	\$ (134)	\$ (8)
Equity contracts	3	0	0	0	(6)	0
Interest rate contracts	3	0	0	0	(7)	0
Credit contracts	5	0	0	0	(1)	0
Total	\$ 20	\$ 203	\$ 0	\$ 6	\$ (148)	\$ (8)
Designated Hedge Derivatives						
Foreign exchange contracts	\$ 80	\$ 133	\$ 0	\$ 0	\$ (3)	\$ 0
Equity contracts	0	0	67	0	(186)	0
Total	\$ 80	\$ 133	\$ 67	\$ 0	\$ (189)	\$ 0
Total gross amounts of derivatives	\$ 100	\$ 336	\$ 67	\$ 6	\$ (337)	\$ (8)
Gross derivatives either offset or subject to an enforceable master netting agreement	\$ 100	\$ 336	\$ 67	\$ 6	\$ (334)	\$ (8)
Gross amounts of derivatives offset on the balance sheet	(20)	(132)	(67)	(8)	221	7
Net amounts presented on the balance sheet	80	204	0	(2)	(113)	(1)
Gross amounts of derivatives not offset on the balance sheet	0	0	0	0	0	0
Cash collateral received	0	0	0	0	(228)	0
Net amount	\$ 80	\$ 204	\$ 0	\$ (2)	\$ (341)	\$ (1)

Refer to Note 4 – Investments and Note 6 – Fair Value Measurements for further information.

Fair Value Hedge Gains (Losses)

We recognized in other income (expense), net the following gains (losses) on contracts designated as fair value hedges and their related hedged items:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Foreign Exchange Contracts				
Derivatives	\$ 14	\$ 685	\$ 36	\$ 637
Hedged items	12	(674)	10	(606)
Total amount of ineffectiveness	\$ 26	\$ 11	\$ 46	\$ 31
Equity Contracts				
Derivatives	\$ (71)	\$ (7)	\$ (307)	\$ (17)
Hedged items	71	7	307	17
Total amount of ineffectiveness	\$ 0	\$ 0	\$ 0	\$ 0
Amount of equity contracts excluded from effectiveness assessment	\$ 20	\$ (1)	\$ 60	\$ (4)

Cash Flow Hedge Gains (Losses)

We recognized the following gains (losses) on foreign exchange contracts designated as cash flow hedges:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Effective Portion				
Gains recognized in other comprehensive income (loss) (net of tax of \$1, \$3, \$1, and \$4)	\$ 10	\$ 449	\$ 15	\$ 484
Gains reclassified from accumulated other comprehensive income (loss) into revenue	19	172	130	247
Amount Excluded from Effectiveness Assessment and Ineffective Portion				
Losses recognized in other income (expense), net	(73)	(84)	(164)	(154)

We estimate that \$22 million of net derivative gains included in AOCI as of December 31, 2017 will be reclassified into earnings within the following 12 months. No significant amounts of gains (losses) were reclassified from AOCI into earnings as a result of forecasted transactions that failed to occur during the three and six months ended December 31, 2017.

Non-Designated Derivative Gains (Losses)

Gains (losses) from changes in fair values of derivatives that are not designated as hedges are primarily recognized in other income (expense), net. These amounts are shown in the table below, with the exception of gains (losses) on derivatives presented in income statement line items other than other income (expense), net, which were immaterial for the periods presented. Other than those derivatives entered into for investment purposes, the gains (losses) below are generally economically offset by unrealized gains (losses) in the underlying available-for-sale securities and gains (losses) from foreign exchange rate changes on certain balance sheet amounts.

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Foreign exchange contracts	\$ (115)	\$ 26	\$ (184)	\$ (5)
Equity contracts	(49)	(25)	(78)	(42)
Interest-rate contracts	(2)	(10)	9	(6)
Credit contracts	0	2	0	4
Other contracts	0	22	0	0
Total	\$ (166)	\$ 15	\$ (253)	\$ (49)

NOTE 6 — FAIR VALUE MEASUREMENTS

We account for certain assets and liabilities at fair value. The hierarchy below lists three levels of fair value based on the extent to which inputs used in measuring fair value are observable in the market. We categorize each of our fair value measurements in one of these three levels based on the lowest level input that is significant to the fair value measurement in its entirety. These levels are:

- *Level 1* – inputs are based upon unadjusted quoted prices for identical instruments in active markets. Our Level 1 non-derivative investments primarily include U.S. government securities, domestic and international equities, and actively traded mutual funds. Our Level 1 derivative assets and liabilities include those actively traded on exchanges.
- *Level 2* – inputs are based upon quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-based valuation techniques (e.g. the Black-Scholes model) for which all significant inputs are observable in the market or can be corroborated by observable market data for substantially the full term of the assets or liabilities. Where applicable, these models project future cash flows and discount the future amounts to a present value using market-based observable inputs including interest rate curves, credit spreads, foreign exchange rates, and forward and spot prices for currencies. Our Level 2 non-derivative investments consist primarily of foreign government bonds, corporate notes and bonds, mortgage- and asset-backed securities, U.S. government and agency securities, certificates of deposit, and common and preferred stock. Our Level 2 derivative assets and liabilities primarily include certain over-the-counter option and swap contracts.
- *Level 3* – inputs are generally unobservable and typically reflect management's estimates of assumptions that market participants would use in pricing the asset or liability. The fair values are therefore determined using model-based techniques, including option pricing models and discounted cash flow models. Our Level 3 non-derivative assets and liabilities primarily comprise investments in common and preferred stock, and goodwill and intangible assets, when they are recorded at fair value due to an impairment charge. Unobservable inputs used in the models are significant to the fair values of the assets and liabilities.

We measure certain assets, including our cost and equity method investments, at fair value on a nonrecurring basis when they are deemed to be other-than-temporarily impaired. The fair values of these investments are determined based on valuation techniques using the best information available, and may include quoted market prices, market comparables, and discounted cash flow projections. An impairment charge is recorded when the cost of the investment exceeds its fair value and this condition is determined to be other-than-temporary.

Our other current financial assets and current financial liabilities have fair values that approximate their carrying values.

Financial Assets and Liabilities Measured at Fair Value on a Recurring Basis

The following tables present the fair value of our financial instruments that are measured at fair value on a recurring basis:

(In millions)	Level 1	Level 2	Level 3	Gross Fair Value	Netting ^(a)	Net Fair Value
December 31, 2017						
Assets						
Mutual funds	\$ 1,080	\$ 0	\$ 0	\$ 1,080	\$ 0	\$ 1,080
Commercial paper	0	1,533	0	1,533	0	1,533
Certificates of deposit	0	1,832	0	1,832	0	1,832
U.S. government and agency securities	116,194	2,180	0	118,374	0	118,374
Foreign government bonds	15	6,598	0	6,613	0	6,613
Mortgage- and asset-backed securities	0	3,953	0	3,953	0	3,953
Corporate notes and bonds	1	5,181	6	5,188	0	5,188
Municipal securities	0	331	0	331	0	331
Common and preferred stock	969	1,392	18	2,379	0	2,379
Derivatives	1	262	1	264	(159)	105
Total	\$ 118,260	\$ 23,262	\$ 25	\$ 141,547	\$ (159)	\$ 141,388
Liabilities						
Derivatives and other	\$ 3	\$ 534	\$ 37	\$ 574	\$ (159)	\$ 415

(In millions)	Level 1	Level 2	Level 3	Gross Fair Value	Netting ^(a)	Net Fair Value
June 30, 2017						
Assets						
Mutual funds	\$ 1,478	\$ 0	\$ 0	\$ 1,478	\$ 0	\$ 1,478
Commercial paper	0	319	0	319	0	319
Certificates of deposit	0	1,358	0	1,358	0	1,358
U.S. government and agency securities	109,228	2,616	0	111,844	0	111,844
Foreign government bonds	0	5,187	0	5,187	0	5,187
Mortgage- and asset-backed securities	0	3,934	0	3,934	0	3,934
Corporate notes and bonds	0	4,829	1	4,830	0	4,830
Municipal securities	0	327	0	327	0	327
Common and preferred stock	2,414	1,994	18	4,426	0	4,426
Derivatives	1	508	0	509	(227)	282
Total	\$ 113,121	\$ 21,072	\$ 19	\$ 134,212	\$ (227)	\$ 133,985
Liabilities						
Derivatives and other	\$ 0	\$ 345	\$ 39	\$ 384	\$ (228)	\$ 156

(a) These amounts represent the impact of netting derivative assets and derivative liabilities when a legally enforceable master netting agreement exists and fair value adjustments related to our own credit risk and counterparty credit risk.

The changes in our Level 3 financial instruments that are measured at fair value on a recurring basis were immaterial during the periods presented.

The following table reconciles the total "Net Fair Value" of assets above to the balance sheet presentation of these same assets in Note 4 – Investments.

(In millions)

	December 31, 2017	June 30, 2017
Net fair value of assets measured at fair value on a recurring basis	\$ 141,388	\$ 133,985
Cash	3,877	3,624
Common and preferred stock measured at fair value on a nonrecurring basis	1,017	1,073
Other investments measured at fair value on a nonrecurring basis	564	523
Less derivative net assets classified as other current and long-term assets	(106)	(202)
Other	1	1
Recorded basis of investment components	<u>\$ 146,741</u>	<u>\$ 139,004</u>

Financial Assets and Liabilities Measured at Fair Value on a Nonrecurring Basis

During the three and six months ended December 31, 2017 and 2016, we did not record any material other-than-temporary impairments on financial assets required to be measured at fair value on a nonrecurring basis.

NOTE 7 — INVENTORIES

The components of inventories were as follows:

(In millions)

	December 31, 2017	June 30, 2017
Raw materials	\$ 491	\$ 797
Work in process	91	145
Finished goods	1,421	1,239
Total	<u>\$ 2,003</u>	<u>\$ 2,181</u>

NOTE 8 — BUSINESS COMBINATIONS

On December 8, 2016, we completed our acquisition of all issued and outstanding shares of LinkedIn Corporation, the world's largest professional network on the Internet, for a total purchase price of \$27.0 billion. The purchase price consisted primarily of cash of \$26.9 billion. The acquisition is expected to accelerate the growth of LinkedIn, Office 365, and Dynamics 365. The financial results of LinkedIn have been included in our consolidated financial statements since the date of the acquisition.

NOTE 9 — GOODWILL

Changes in the carrying amount of goodwill were as follows:

(In millions)	June 30, 2017	Acquisitions	Other	December 31, 2017
Productivity and Business Processes	\$ 23,739	\$ 0	\$ 31	\$ 23,770
Intelligent Cloud	5,555	68	6	5,629
More Personal Computing	5,828	57	71	5,956
Total	<u>\$ 35,122</u>	<u>\$ 125</u>	<u>\$ 108</u>	<u>\$ 35,355</u>

The measurement periods for the valuation of assets acquired and liabilities assumed end as soon as information on the facts and circumstances that existed as of the acquisition dates becomes available, but do not exceed 12 months. Adjustments in purchase price allocations may require a change in the amounts allocated to goodwill during the periods in which the adjustments are determined.

Any change in the goodwill amounts resulting from foreign currency translations and purchase accounting adjustments are presented as "Other" in the above table. Also included in "Other" are business dispositions and transfers between segments due to reorganizations, as applicable.

NOTE 10 — INTANGIBLE ASSETS

The components of intangible assets, all of which are finite-lived, were as follows:

(In millions)	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
			December 31, 2017			June 30, 2017
Technology-based (a)	\$ 7,126	\$ (4,334)	\$ 2,792	\$ 7,765	\$ (4,318)	\$ 3,447
Customer-related	4,022	(937)	3,085	4,045	(692)	3,353
Marketing-related	4,027	(958)	3,069	4,016	(829)	3,187
Contract-based	666	(578)	88	841	(722)	119
Total	\$ 15,841	\$ (6,807)	\$ 9,034	\$ 16,667	\$ (6,561)	\$ 10,106

(a) *Technology-based intangible assets included \$32 million and \$59 million of net carrying amount of software to be sold, leased, or otherwise marketed as of December 31, 2017 and June 30, 2017, respectively.*

Intangible assets amortization expense was \$562 million and \$1.1 billion for the three and six months ended December 31, 2017, respectively, and \$315 million and \$529 million for the three and six months ended December 31, 2016, respectively.

The following table outlines the estimated future amortization expense related to intangible assets held as of December 31, 2017:

(In millions)	
Year Ending June 30,	
2018 (excluding the six months ended December 31, 2017)	\$ 1,105
2019	1,700
2020	1,194
2021	1,005
2022	931
Thereafter	3,099
Total	\$ 9,034

NOTE 11 — DEBT

Short-term Debt

As of December 31, 2017, we had \$12.5 billion of commercial paper issued and outstanding, with a weighted average interest rate of 1.31% and maturities ranging from 22 days to 196 days. As of June 30, 2017, we had \$9.1 billion of commercial paper issued and outstanding, with a weighted average interest rate of 1.01% and maturities ranging from 25 days to 264 days. The estimated fair value of this commercial paper approximates its carrying value.

In October 2017, we entered into two new \$5.0 billion credit facilities that expire on October 30, 2018 and October 31, 2022, respectively, which replaced our previous credit facilities. These credit facilities serve as a back-up for our commercial paper program. As of December 31, 2017, we were in compliance with the only financial covenant in both credit agreements, which requires us to maintain a coverage ratio of at least three times earnings before interest, taxes, depreciation, and amortization to interest expense, as defined in the credit agreements. No amounts were drawn against these credit facilities during any of the periods presented.

Long-term Debt

As of December 31, 2017, the total carrying value and estimated fair value of our long-term debt, including the current portion, were \$76.8 billion and \$81.7 billion, respectively. As of June 30, 2017, the total carrying value and estimated fair value of our long-term debt, including the current portion, were \$77.1 billion and \$80.3 billion, respectively. These estimated fair values are based on Level 2 inputs.

The components of our long-term debt, including the current portion, and the associated interest rates were as follows:

(In millions, except interest rates)	Face Value December 31, 2017	Face Value June 30, 2017	Stated Interest Rate	Effective Interest Rate
Notes				
November 15, 2017	\$ 0	\$ 600	0.875%	1.084%
May 1, 2018	450	450	1.000%	1.106%
November 3, 2018	1,750	1,750	1.300%	1.396%
December 6, 2018	1,250	1,250	1.625%	1.824%
June 1, 2019	1,000	1,000	4.200%	4.379%
August 8, 2019	2,500	2,500	1.100%	1.203%
November 1, 2019	18	18	0.500%	0.500%
February 6, 2020	1,500	1,500	1.850%	1.952%
February 12, 2020	1,500	1,500	1.850%	1.935%
October 1, 2020	1,000	1,000	3.000%	3.137%
November 3, 2020	2,250	2,250	2.000%	2.093%
February 8, 2021	500	500	4.000%	4.082%
August 8, 2021	2,750	2,750	1.550%	1.642%
December 6, 2021 (a)	2,102	1,996	2.125%	2.233%
February 6, 2022	1,750	1,750	2.400%	2.520%
February 12, 2022	1,500	1,500	2.375%	2.466%
November 3, 2022	1,000	1,000	2.650%	2.717%
November 15, 2022	750	750	2.125%	2.239%
May 1, 2023	1,000	1,000	2.375%	2.465%
August 8, 2023	1,500	1,500	2.000%	2.101%
December 15, 2023	1,500	1,500	3.625%	3.726%
February 6, 2024	2,250	2,250	2.875%	3.041%
February 12, 2025	2,250	2,250	2.700%	2.772%
November 3, 2025	3,000	3,000	3.125%	3.176%
August 8, 2026	4,000	4,000	2.400%	2.464%
February 6, 2027	4,000	4,000	3.300%	3.383%
December 6, 2028 (a)	2,102	1,996	3.125%	3.218%
May 2, 2033 (a)	660	627	2.625%	2.690%
February 12, 2035	1,500	1,500	3.500%	3.604%
November 3, 2035	1,000	1,000	4.200%	4.260%
August 8, 2036	2,250	2,250	3.450%	3.510%
February 6, 2037	2,500	2,500	4.100%	4.152%
June 1, 2039	750	750	5.200%	5.240%
October 1, 2040	1,000	1,000	4.500%	4.567%
February 8, 2041	1,000	1,000	5.300%	5.361%
November 15, 2042	900	900	3.500%	3.571%
May 1, 2043	500	500	3.750%	3.829%
December 15, 2043	500	500	4.875%	4.918%
February 12, 2045	1,750	1,750	3.750%	3.800%
November 3, 2045	3,000	3,000	4.450%	4.492%
August 8, 2046	4,500	4,500	3.700%	3.743%
February 6, 2047	3,000	3,000	4.250%	4.287%
February 12, 2055	2,250	2,250	4.000%	4.063%
November 3, 2055	1,000	1,000	4.750%	4.782%
August 8, 2056	2,250	2,250	3.950%	4.033%
February 6, 2057	2,000	2,000	4.500%	4.528%
Total	\$ 77,482	\$ 77,837		

(a) Euro-denominated debt securities.

The notes in the table above are senior unsecured obligations and rank equally with our other senior unsecured debt outstanding. Interest on these notes is paid semi-annually, except for the euro-denominated debt securities on which interest is paid annually. As of December 31, 2017 and June 30, 2017, the aggregate debt issuance costs and unamortized discount associated with our long-term debt, including the current portion, were \$688 million and \$715 million, respectively.

NOTE 12 — INCOME TAXES

Income tax expense includes U.S. and international income taxes, and interest and penalties on uncertain tax positions. Certain income and expenses are not reported in tax returns and financial statements in the same year. The tax effect of such temporary differences is reported as deferred income taxes. Deferred tax assets are reported net of a valuation allowance when it is more likely than not that a tax benefit will not be realized. All deferred income taxes are classified as long-term on our consolidated balance sheets.

Effective Tax Rate

Our effective tax rate was 169% and 22% for the three months ended December 31, 2017 and 2016, respectively, and 98% and 20% for the six months ended December 31, 2017 and 2016, respectively. The increase in our effective tax rate for the current quarter and year-to-date compared to the prior year was primarily due to the net charge related to the TCJA.

Our effective tax rate was higher than the U.S. federal statutory rate primarily due to the net charge related to the TCJA.

Recent Tax Legislation

On December 22, 2017, the TCJA was enacted into law, which significantly changes existing U.S. tax law and includes numerous provisions that affect our business, such as imposing a one-time transition tax on deemed repatriation of deferred foreign income, reducing the U.S. federal statutory tax rate, and adopting a territorial tax system. The TCJA requires us to incur a one-time transition tax on deferred foreign income not previously subject to U.S. income tax at a rate of 15.5% for foreign cash and certain other net current assets, and 8% on the remaining income. The TCJA also reduces the U.S. federal statutory tax rate from 35% to 21% effective January 1, 2018. For fiscal year 2018, our blended U.S. federal statutory tax rate is 28%. This is the result of using the tax rate of 35% for the first and second quarter of fiscal year 2018 and the reduced tax rate of 21% for the third and fourth quarter of fiscal year 2018. The TCJA includes a provision to tax global intangible low-taxed income ("GILTI") of foreign subsidiaries and a base erosion anti-abuse tax ("BEAT") measure that taxes certain payments between a U.S. corporation and its subsidiaries. The GILTI and BEAT provisions of the TCJA will be effective for us beginning July 1, 2018.

The TCJA is effective in the second quarter of fiscal year 2018. As of December 31, 2017, we have not completed our accounting for the tax effects of the TCJA. During the quarter, we recorded a provisional net charge based on reasonable estimates for those tax effects. The provisional net charge is subject to revisions as we complete our analysis of the TCJA, collect and prepare necessary data, and interpret any additional guidance issued by the U.S. Treasury Department, Internal Revenue Service ("IRS"), FASB, and other standard-setting and regulatory bodies. Adjustments may materially impact our provision for income taxes and effective tax rate in the period in which the adjustments are made. Our accounting for the tax effects of the TCJA will be completed during the measurement period, which should not extend beyond one year from the enactment date. The impacts of our estimates are described further below.

During the second quarter of fiscal year 2018, we recorded an estimated net charge of \$13.8 billion related to the TCJA, due to the impact of the one-time transition tax on the deemed repatriation of deferred foreign income of \$17.8 billion, offset in part by the impact of changes in the tax rate of \$4.0 billion, primarily on deferred tax assets and liabilities.

We recorded an estimated \$17.8 billion charge related to the transition tax, which was included in provision for income taxes on our consolidated income statements and income taxes on our consolidated balance sheets. We have not yet completed our accounting for the transition tax as our analysis of deferred foreign income is not complete. To calculate the transition tax, we estimated our deferred foreign income for fiscal year 2017 and the first and second quarter of fiscal year 2018 because these tax returns are not complete or due. The fiscal year 2017 and fiscal year 2018 taxable income will be known once the respective tax returns are complete and filed. In addition,

U.S. and foreign audit settlements may significantly impact the estimated transition tax. The impact of the U.S. and foreign audits on the transition tax will be known as the audits are concluded.

In addition, we recorded an estimated \$4.0 billion benefit from the impact of changes in the tax rate, primarily on deferred tax assets and liabilities, which was included in provision for income taxes on our consolidated income statements and deferred income taxes on our consolidated balance sheets. We remeasured our deferred taxes to reflect the reduced rate that will apply when these deferred taxes are settled or realized in future periods. We have not yet completed our accounting for the measurement of deferred taxes. To calculate the remeasurement of deferred taxes, we estimated when the existing deferred taxes will be settled or realized. The remeasurement of deferred taxes included in our financial statements will be subject to further revisions if our current estimates are different from our actual future operating results.

The TCJA subjects a U.S. corporation to tax on its GILTI. Due to the complexity of the new GILTI tax rules, we are continuing to evaluate this provision of the TCJA and the application of GAAP. Under GAAP, we can make an accounting policy election to either treat taxes due on the GILTI inclusion as a current period expense, or factor such amounts into our measurement of deferred taxes. We elected the deferred method and recorded an estimated \$454 million benefit related to GILTI, which is included in the net charge related to the TCJA.

Uncertain Tax Positions

While we settled a portion of the IRS audit for tax years 2004 to 2006 during the third quarter of fiscal year 2011, and a portion of the IRS audit for tax years 2007 to 2009 during the first quarter of fiscal year 2016, we remain under audit for those years. In the second quarter of fiscal year 2018, we settled a portion of the IRS audit for tax years 2010 to 2013. We continue to be subject to examination by the IRS for tax years 2010 to 2016. In February 2012, the IRS withdrew its 2011 Revenue Agents Report for tax years 2004 to 2006 and reopened the audit phase of the examination. As of December 31, 2017, the primary unresolved issue relates to transfer pricing, which could have a significant impact on our consolidated financial statements if not resolved favorably. We believe our allowances for income tax contingencies are adequate. We have not received a proposed assessment for the unresolved issues and do not expect a final resolution of these issues in the next 12 months. Based on the information currently available, we do not anticipate a significant increase or decrease to our tax contingencies for these issues within the next 12 months.

We are subject to income tax in many jurisdictions outside the U.S. Our operations in certain jurisdictions remain subject to examination for tax years 1996 to 2017, some of which are currently under audit by local tax authorities. The resolutions of these audits are not expected to be material to our consolidated financial statements.

Tax contingencies and other income tax liabilities were \$13.8 billion and \$13.5 billion as of December 31, 2017 and June 30, 2017, respectively, and are included in long-term income taxes on our consolidated balance sheets. This increase relates primarily to current period intercompany transfer pricing.

NOTE 13 — RESTRUCTURING CHARGES

In June 2017, management approved a sales and marketing restructuring plan. In fiscal year 2017, we recorded employee severance expenses of \$306 million primarily related to this sales and marketing restructuring plan. We do not expect to incur additional charges for this restructuring plan in subsequent years. The actions associated with this restructuring plan are expected to be completed by the end of fiscal year 2018.

Changes in the restructuring liability were as follows:

(In millions)	Severance		Other(a)		Total
Balance, as of June 30, 2017	\$	373	\$	59	\$ 432
Restructuring charges		0		0	0
Cash paid		(292)		(15)	(307)
Other		0		(7)	(7)
Balance, as of December 31, 2017	\$	81	\$	37	\$ 118

(a) Primarily reflects activities associated with the consolidation of our phone facilities, manufacturing operations, and contract termination costs.

NOTE 14 — UNEARNED REVENUE

Unearned revenue by segment was as follows:

(In millions)

	December 31, 2017	June 30, 2017
Productivity and Business Processes	\$ 11,290	\$ 12,692
Intelligent Cloud	9,759	11,152
More Personal Computing	2,760	2,812
Total	\$ 23,809	\$ 26,656

The opening balance of unearned revenue was \$22.2 billion as of July 1, 2016.

Changes in unearned revenue were as follows:

(In millions)

Six Months Ended December 31, 2017

Balance, beginning of period	\$ 26,656
Deferral of revenue	23,096
Recognition of unearned revenue	(25,943)
Balance, end of period	\$ 23,809

Revenue allocated to remaining performance obligations represents contracted revenue that has not yet been recognized (“contracted not recognized revenue”), which includes unearned revenue and amounts that will be invoiced and recognized as revenue in future periods. Contracted not recognized revenue was \$61 billion as of December 31, 2017, of which we expect to recognize approximately 60% of the revenue over the next 12 months and the remainder thereafter.

NOTE 15 — LEASES

We have operating and finance leases for datacenters, corporate offices, research and development facilities, retail stores, and certain equipment. Our leases have remaining lease terms of 1 year to 20 years, some of which include options to extend the leases for up to 5 years, and some of which include options to terminate the leases within 1 year.

The components of lease expense were as follows:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Operating lease cost	\$ 399	\$ 434	\$ 787	\$ 694
Finance lease cost:				
Amortization of right-of-use assets	\$ 57	\$ 23	\$ 105	\$ 38
Interest on lease liabilities	44	15	74	27
Total finance lease cost	\$ 101	\$ 38	\$ 179	\$ 65

Supplemental cash flow information related to leases was as follows:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Cash paid for amounts included in the measurement of lease liabilities:				
Operating cash flows from operating leases	\$ 375	\$ 314	\$ 744	\$ 581
Operating cash flows from finance leases	45	15	75	27
Financing cash flows from finance leases	31	9	56	15
Right-of-use assets obtained in exchange for lease obligations:				
Operating leases	308	119	699	174
Finance leases	650	498	1,378	765

Supplemental balance sheet information related to leases was as follows:

(In millions, except lease term and discount rate)

	December 31, 2017	June 30, 2017
Operating Leases		
Operating lease right-of-use assets	\$ 6,749	\$ 6,555
Other current liabilities	\$ 1,343	\$ 1,423
Operating lease liabilities	5,640	5,372
Total operating lease liabilities	\$ 6,983	\$ 6,795
Finance Leases		
Property and equipment, gross	\$ 4,062	\$ 2,658
Accumulated depreciation	(266)	(161)
Property and equipment, net	\$ 3,796	\$ 2,497
Other current liabilities	\$ 156	\$ 113
Other long-term liabilities	3,746	2,425
Total finance lease liabilities	\$ 3,902	\$ 2,538
Weighted Average Remaining Lease Term		
Operating leases	7 years	7 years
Finance leases	14 years	13 years
Weighted Average Discount Rate		
Operating leases	2.5%	2.5%
Finance leases	5.0%	4.7%

Maturities of lease liabilities were as follows:

(In millions)			
Year Ending June 30,		Operating Leases	Finance Leases
2018 (excluding the six months ended December 31, 2017)	\$	750	\$ 167
2019		1,413	340
2020		1,287	347
2021		1,025	353
2022		839	360
Thereafter		2,634	3,857
Total lease payments		7,948	5,424
Less imputed interest		(965)	(1,522)
Total	\$	6,983	\$ 3,902

As of December 31, 2017, we have additional operating and finance leases, primarily for datacenters, that have not yet commenced of \$237 million and \$1.6 billion, respectively. These operating and finance leases will commence between fiscal year 2018 and fiscal year 2019 with lease terms of 1 year to 20 years.

NOTE 16 — CONTINGENCIES

Patent and Intellectual Property Claims

IPCom Patent Litigation

IPCom GmbH & Co. (“IPCom”) is a German company that holds a large portfolio of mobile technology-related patents spanning about 170 patent families and addressing a broad range of cellular technologies. IPCom has asserted 19 of these patents in litigation against Nokia Corporation (“Nokia”) and many of the leading cellular phone companies and operators. In November 2014, Microsoft and IPCom entered into a standstill agreement staying all of the pending litigation against Microsoft to permit the parties to pursue settlement discussions, which continue.

Other Patent and Intellectual Property Claims

In addition to the IPCom cases, there were 34 other patent infringement cases pending against Microsoft as of December 31, 2017.

Antitrust, Unfair Competition, and Overcharge Class Actions

Antitrust and unfair competition class action lawsuits were filed against us in British Columbia, Ontario, and Quebec, Canada. All three have been certified on behalf of Canadian indirect purchasers who acquired licenses for Microsoft operating system software and/or productivity application software between 1998 and 2010.

The trial of the British Columbia action commenced in May 2016. The plaintiffs filed their case in chief in August 2016, setting out claims made, authorities, and evidence in support of their claims. A six-month oral hearing is expected to begin in summer 2018, consisting of cross examination on witness affidavits. The Ontario and Quebec cases are inactive.

Other Antitrust Litigation and Claims

China State Administration for Industry and Commerce Investigation

In 2014, Microsoft was informed that China’s State Administration for Industry and Commerce (“SAIC”) had begun a formal investigation relating to China’s Anti-Monopoly Law, and the SAIC conducted onsite inspections of Microsoft offices in Beijing, Shanghai, Guangzhou, and Chengdu. SAIC has stated the investigation relates to compatibility, bundle sales, file verification issues related to Windows and Office software, and potentially other issues.

Product-Related Litigation

U.S. Cell Phone Litigation

Nokia, along with other handset manufacturers and network operators, is a defendant in 35 lawsuits filed in the Superior Court for the District of Columbia by individual plaintiffs who allege that radio emissions from cellular handsets caused their brain tumors and other adverse health effects. We assumed responsibility for these claims in our agreement to acquire Nokia's Devices and Services business and have been substituted for the Nokia defendants. Nine of these cases were filed in 2002 and are consolidated for certain pre-trial proceedings; the remaining 10 cases are stayed. In a separate 2009 decision, the Court of Appeals for the District of Columbia held that adverse health effect claims arising from the use of cellular handsets that operate within the U.S. Federal Communications Commission radio frequency emission guidelines ("FCC Guidelines") are pre-empted by federal law. The plaintiffs allege that their handsets either operated outside the FCC Guidelines or were manufactured before the FCC Guidelines went into effect. The lawsuits also allege an industry-wide conspiracy to manipulate the science and testing around emission guidelines.

In 2013, defendants in the consolidated cases moved to exclude plaintiffs' expert evidence of general causation on the basis of flawed scientific methodologies. In 2014, the trial court granted in part and denied in part defendants' motion to exclude plaintiffs' general causation experts. The defendants filed an interlocutory appeal challenging the standard for evaluating expert scientific evidence, which the District of Columbia Court of Appeals heard *en banc*. In October 2016, the Court of Appeals issued its decision adopting the standard advocated by defendants and remanding the cases to the trial court for further proceedings under that standard. Plaintiffs have filed supplemental expert evidence, portions of which defendants have moved to strike.

Canadian Cell Phone Class Action

Nokia, along with other handset manufacturers and network operators, is a defendant in a 2013 class action lawsuit filed in the Supreme Court of British Columbia by a purported class of Canadians who have used cellular phones for at least 1,600 hours, including a subclass of users with brain tumors, alleging adverse health effects from cellular phone use. Microsoft was served with the complaint in June 2014 and has been substituted for the Nokia defendants. The litigation has been dormant for more than three years.

Employment-Related Litigation

Moussouris v. Microsoft

Current and former female Microsoft employees in certain engineering and information technology roles brought this class action in federal court in Seattle in 2015, alleging systemic gender discrimination in pay and promotions. The plaintiffs moved to certify the class in October 2017. Microsoft filed an opposition in January 2018, attaching an expert report showing no statistically significant disparity in pay and promotions between similarly situated men and women. The plaintiffs' reply is due in February 2018.

Other Contingencies

We also are subject to a variety of other claims and suits that arise from time to time in the ordinary course of our business. Although management currently believes that resolving claims against us, individually or in aggregate, will not have a material adverse impact on our consolidated financial statements, these matters are subject to inherent uncertainties and management's view of these matters may change in the future.

As of December 31, 2017, we accrued aggregate legal liabilities of \$370 million. While we intend to defend these matters vigorously, adverse outcomes that we estimate could reach approximately \$1.3 billion in aggregate beyond recorded amounts are reasonably possible. Were unfavorable final outcomes to occur, there exists the possibility of a material adverse impact on our consolidated financial statements for the period in which the effects become reasonably estimable.

NOTE 17 — STOCKHOLDERS' EQUITY**Share Repurchases**

On September 16, 2013, our Board of Directors approved a share repurchase program authorizing up to \$40.0 billion in share repurchases. This share repurchase program became effective on October 1, 2013, and was completed on December 22, 2016.

On September 20, 2016, our Board of Directors approved a share repurchase program authorizing up to an additional \$40.0 billion in share repurchases. This share repurchase program commenced on December 22, 2016 following completion of the prior program approved on September 16, 2013, has no expiration date, and may be suspended or discontinued at any time without notice. As of December 31, 2017, \$33.4 billion remained of this \$40.0 billion share repurchase program.

We repurchased the following shares of common stock under the share repurchase programs:

(In millions)	Shares		Amount	
Fiscal Year			2018	2017
First Quarter	22	\$ 1,600	63	\$ 3,550
Second Quarter	22	1,800	59	3,533
Total	44	\$ 3,400	122	\$ 7,083

Shares repurchased during fiscal year 2018 were under the share repurchase program approved September 20, 2016. Shares repurchased during fiscal year 2017 were under the share repurchase program approved September 16, 2013. The above table excludes shares repurchased to settle employee tax withholding related to the vesting of stock awards. All repurchases were made using cash resources.

Dividends

Our Board of Directors declared the following dividends:

Declaration Date	Dividend Per Share	Record Date	Total Amount	Payment Date
Fiscal Year 2018				
(in millions)				
September 19, 2017	\$ 0.42	November 16, 2017	\$ 3,238	December 14, 2017
November 29, 2017	\$ 0.42	February 15, 2018	\$ 3,236	March 8, 2018
Fiscal Year 2017				
September 20, 2016	\$ 0.39	November 17, 2016	\$ 3,024	December 8, 2016
November 30, 2016	\$ 0.39	February 16, 2017	\$ 3,012	March 9, 2017

The dividend declared on November 29, 2017 was included in other current liabilities as of December 31, 2017.

NOTE 18 — ACCUMULATED OTHER COMPREHENSIVE INCOME (LOSS)

The following table summarizes the changes in accumulated other comprehensive income (loss) by component:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Derivatives				
Balance, beginning of period	\$ 28	\$ 315	\$ 134	\$ 352
Unrealized gains, net of tax of \$1, \$3, \$1, and \$4	11	449	15	484
Reclassification adjustments for gains included in revenue	(19)	(172)	(130)	(247)
Tax expense included in provision for income taxes	1	3	2	6
Amounts reclassified from accumulated other comprehensive income	(18)	(169)	(128)	(241)
Net change related to derivatives, net of tax of \$0, \$0, \$(1), and \$(2)	(7)	280	(113)	243
Balance, end of period	\$ 21	\$ 595	\$ 21	\$ 595
Investments				
Balance, beginning of period	\$ 1,537	\$ 3,024	\$ 1,825	\$ 2,941
Unrealized gains (losses), net of tax of \$(211), \$(292), \$(161), and \$(110)	(390)	(543)	(317)	(204)
Reclassification adjustments for gains included in other income (expense), net	(751)	(694)	(1,306)	(1,088)
Tax expense included in provision for income taxes	263	243	457	381
Amounts reclassified from accumulated other comprehensive income	(488)	(451)	(849)	(707)
Net change related to investments, net of tax of \$(474), \$(535), \$(618), and \$(491)	(878)	(994)	(1,166)	(911)
Balance, end of period	\$ 659	\$ 2,030	\$ 659	\$ 2,030
Translation adjustments and other				
Balance, beginning of period	\$ (1,039)	\$ (1,381)	\$ (1,332)	\$ (1,499)
Translation adjustments and other, net of tax of \$0, \$0, \$(1), and \$7	(40)	(592)	253	(474)
Balance, end of period	\$ (1,079)	\$ (1,973)	\$ (1,079)	\$ (1,973)
Accumulated other comprehensive income (loss), end of period	\$ (399)	\$ 652	\$ (399)	\$ 652

NOTE 19 — SEGMENT INFORMATION AND GEOGRAPHIC DATA

In its operation of the business, management, including our chief operating decision maker, who is also our Chief Executive Officer, reviews certain financial information, including segmented internal profit and loss statements prepared on a basis not consistent with GAAP. During the periods presented, we reported our financial performance based on the following segments: Productivity and Business Processes, Intelligent Cloud, and More Personal Computing.

Our reportable segments are described below.

Productivity and Business Processes

Our Productivity and Business Processes segment consists of products and services in our portfolio of productivity, communication, and information services, spanning a variety of devices and platforms. This segment primarily comprises:

- Office Commercial, including Office 365 subscriptions and Office licensed on-premises, comprising Office, Exchange, SharePoint, Skype for Business, and Microsoft Teams, and related Client Access Licenses (“CALs”).
- Office Consumer, including Office 365 subscriptions and Office licensed on-premises, and Office Consumer Services, including Skype, Outlook.com, and OneDrive.
- LinkedIn, including Talent Solutions, Marketing Solutions, and Premium Subscriptions.
- Dynamics business solutions, including Dynamics ERP on-premises, Dynamics CRM on-premises, and Dynamics 365, a set of cloud-based applications across ERP and CRM.

Intelligent Cloud

Our Intelligent Cloud segment consists of our public, private, and hybrid server products and cloud services that can power modern business. This segment primarily comprises:

- Server products and cloud services, including Microsoft SQL Server, Windows Server, Visual Studio, System Center, and related CALs, and Azure.
- Enterprise Services, including Premier Support Services and Microsoft Consulting Services.

More Personal Computing

Our More Personal Computing segment consists of products and services geared towards harmonizing the interests of end users, developers, and IT professionals across all devices. This segment primarily comprises:

- Windows, including Windows original equipment manufacturer licensing and other non-volume licensing of the Windows operating system; Windows Commercial, comprising volume licensing of the Windows operating system, Windows cloud services, and other Windows commercial offerings; patent licensing; Windows Internet of Things (“IoT”); and MSN display advertising.
- Devices, including Microsoft Surface, PC accessories, and other intelligent devices.
- Gaming, including Xbox hardware and Xbox software and services, comprising Xbox Live transactions, subscriptions, and advertising (“Xbox Live”), video games, and third-party video game royalties.
- Search advertising.

Revenue and costs are generally directly attributed to our segments. However, due to the integrated structure of our business, certain revenue recognized and costs incurred by one segment may benefit other segments. Revenue from certain contracts is allocated among the segments based on the relative value of the underlying products and services, which can include allocation based on actual prices charged, prices when sold separately, or estimated costs plus a profit margin. Cost of revenue is allocated in certain cases based on a relative revenue methodology. Operating expenses that are allocated primarily include those relating to marketing of products and services from which multiple segments benefit, and are generally allocated based on relative gross margin.

In addition, certain costs incurred at a corporate level that are identifiable and that benefit our segments are allocated to them. These allocated costs include costs of: legal, including settlements and fines; information technology; human resources; finance; excise taxes; field selling; shared facilities services; and customer service and support. Each allocation is measured differently based on the specific facts and circumstances of the costs being allocated. Certain corporate-level activity is not allocated to our segments, including impairment, integration, and restructuring expenses.

Segment revenue and operating income were as follows during the periods presented:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Revenue				
Productivity and Business Processes	\$ 8,953	\$ 7,179	\$ 17,191	\$ 13,615
Intelligent Cloud	7,795	6,758	14,717	12,855
More Personal Computing	12,170	11,889	21,548	21,284
Total	\$ 28,918	\$ 25,826	\$ 53,456	\$ 47,754
Operating Income				
Productivity and Business Processes	\$ 3,337	\$ 3,053	\$ 6,343	\$ 5,958
Intelligent Cloud	2,832	2,291	4,969	4,068
More Personal Computing	2,510	2,561	5,075	4,594
Total	\$ 8,679	\$ 7,905	\$ 16,387	\$ 14,620

No sales to an individual customer or country other than the United States accounted for more than 10% of revenue for the three and six months ended December 31, 2017 or 2016. Revenue, classified by the major geographic areas in which our customers are located, was as follows:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
United States (a)	\$ 15,110	\$ 14,115	\$ 27,657	\$ 25,348
Other countries	13,808	11,711	25,799	22,406
Total	\$ 28,918	\$ 25,826	\$ 53,456	\$ 47,754

(a) Includes billings to original equipment manufacturers and certain multinational organizations because of the nature of these businesses and the impracticability of determining the geographic source of the revenue.

Revenue from external customers, classified by significant product and service offerings, was as follows:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Office products and cloud services	\$ 7,075	\$ 6,439	\$ 13,651	\$ 12,421
Server products and cloud services	6,299	5,332	11,796	10,022
Windows	4,839	4,805	9,482	9,448
Gaming	3,920	3,617	5,816	5,503
Search advertising	1,820	1,605	3,459	3,034
Enterprise Services	1,435	1,371	2,806	2,726
Devices	1,478	1,697	2,632	3,059
LinkedIn	1,312	228	2,460	228
Other	740	732	1,354	1,313
Total	\$ 28,918	\$ 25,826	\$ 53,456	\$ 47,754

Our commercial cloud revenue, which primarily comprises Office 365 commercial, Azure, Dynamics 365, and other cloud properties, was \$5.3 billion and \$10.4 billion for the three and six months ended December 31, 2017, respectively, and \$3.4 billion and \$6.6 billion for the three and six months ended December 31, 2016, respectively. These amounts are primarily included in Office products and cloud services and server products and cloud services in the table above.

Assets are not allocated to segments for internal reporting presentations. A portion of amortization and depreciation is included with various other costs in an overhead allocation to each segment; it is impracticable for us to separately identify the amount of amortization and depreciation by segment that is included in the measure of segment profit or loss.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Stockholders of Microsoft Corporation
Redmond, Washington

We have reviewed the accompanying consolidated balance sheet of Microsoft Corporation and subsidiaries (the "Company") as of December 31, 2017, and the related consolidated statements of income, comprehensive income, cash flows, and stockholders' equity for the three-month and six-month periods ended December 31, 2017 and 2016. These interim financial statements are the responsibility of the Company's management.

We conducted our reviews in accordance with the standards of the Public Company Accounting Oversight Board (United States). A review of interim financial information consists principally of applying analytical procedures and making inquiries of persons responsible for financial and accounting matters. It is substantially less in scope than an audit conducted in accordance with the standards of the Public Company Accounting Oversight Board (United States), the objective of which is the expression of an opinion regarding the financial statements taken as a whole. Accordingly, we do not express such an opinion.

Based on our reviews, we are not aware of any material modifications that should be made to such consolidated interim financial statements for them to be in conformity with accounting principles generally accepted in the United States of America.

We have previously audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the consolidated balance sheet of the Company as of June 30, 2017, and the related consolidated statements of income, comprehensive income, cash flows, and stockholders' equity for the year then ended prior to retrospective adjustment for the changes in the Company's method of accounting for revenue from contracts with customers and for leases, (not presented herein); and in our report dated August 2, 2017, we expressed an unqualified opinion on those consolidated financial statements. We also audited the adjustments described in Note 1 that were applied to retrospectively adjust the June 30, 2017 consolidated balance sheet of Microsoft Corporation and subsidiaries. In our opinion, such adjustments are appropriate and have been properly applied to the previously issued consolidated balance sheet in deriving the accompanying retrospectively adjusted consolidated balance sheet as of June 30, 2017.

/s/ DELOITTE & TOUCHE LLP

Seattle, Washington
January 31, 2018

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

Note About Forward-Looking Statements

This report includes estimates, projections, statements relating to our business plans, objectives, and expected operating results that are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933, and Section 21E of the Securities Exchange Act of 1934. Forward-looking statements may appear throughout this report, including the following sections: "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Risk Factors" (Part II, Item 1A of this Form 10-Q). These forward-looking statements generally are identified by the words "believe," "project," "expect," "anticipate," "estimate," "intend," "strategy," "future," "opportunity," "plan," "may," "should," "will," "would," "will be," "will continue," "will likely result," and similar expressions. Forward-looking statements are based on current expectations and assumptions that are subject to risks and uncertainties that may cause actual results to differ materially. We describe risks and uncertainties that could cause actual results and events to differ materially in "Management's Discussion and Analysis of Financial Condition and Results of Operations," "Quantitative and Qualitative Disclosures about Market Risk" (Part I, Item 3 of this Form 10-Q), and "Risk Factors" (Part II, Item 1A of this Form 10-Q). We undertake no obligation to update or revise publicly any forward-looking statements, whether because of new information, future events, or otherwise.

The following Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") is intended to help the reader understand the results of operations and financial condition of Microsoft Corporation. MD&A is provided as a supplement to, and should be read in conjunction with, our Annual Report on Form 10-K for the year ended June 30, 2017, and our financial statements and the accompanying Notes to Financial Statements (Part I, Item 1 of this Form 10-Q).

OVERVIEW

Microsoft is a technology company whose mission is to empower every person and every organization on the planet to achieve more. We strive to create local opportunity, growth, and impact in every country around the world. Our strategy is to build best-in-class platforms and productivity services for an intelligent cloud and an intelligent edge infused with artificial intelligence. We develop, license, and support a wide range of software products, services, and devices that deliver new opportunities, greater convenience, and enhanced value to people's lives. Our platforms and tools help drive small business productivity, large business competitiveness, and public-sector efficiency. They also support new startups, improve educational and health outcomes, and empower human ingenuity.

We generate revenue by licensing and supporting an array of software products, by offering a wide range of cloud-based and other services to consumers and businesses, by designing, manufacturing, and selling devices that integrate with our cloud-based services, and by delivering relevant online advertising to a global audience. Our most significant expenses are related to compensating employees; designing, manufacturing, marketing, and selling our products and services; datacenter costs in support of our cloud-based services; and income taxes.

Highlights from the second quarter of fiscal year 2018 included:

- Commercial cloud revenue, which primarily comprises Microsoft Office 365 commercial, Microsoft Azure, Microsoft Dynamics 365, and other cloud properties, increased 56% to \$5.3 billion.
- Office Commercial revenue increased 10%, driven by Office 365 commercial revenue growth of 41%.
- Office Consumer revenue increased 12% and Office 365 consumer subscribers increased to 29.2 million.
- Dynamics revenue increased 10%, driven by Dynamics 365 revenue growth of 67%.
- LinkedIn contributed revenue of \$1.3 billion.
- Server products and cloud services revenue increased 18%, driven by Azure revenue growth of 98%.
- Enterprise Services revenue increased 5%, driven by higher revenue from Premier Support Services.
- Windows original equipment manufacturer licensing ("Windows OEM") revenue increased 4%, driven by OEM Pro revenue growth of 11%.
- Windows Commercial revenue decreased 4%, due to the impact of a prior year large deal.
- Gaming revenue increased 8%, driven by Xbox hardware revenue growth from the Xbox One X launch.

- Search advertising revenue, excluding traffic acquisition costs, increased 15%, driven by higher revenue per search and search volume.
- Microsoft Surface revenue increased 1%.

On December 22, 2017, the Tax Cuts and Jobs Act ("TCJA") was enacted into law, which significantly changes existing U.S. tax law and includes numerous provisions that affect our business. During the second quarter of fiscal year 2018, we recorded a net charge of \$13.8 billion related to the TCJA. Refer to Note 12 – Income Taxes of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion.

We adopted the new accounting standards for revenue recognition and leases effective July 1, 2017. These new standards had a material impact on our consolidated financial statements. Beginning in fiscal year 2018, our financial results reflect adoption of the standards with prior periods restated accordingly. Refer to Note 1 – Accounting Policies of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion.

On December 8, 2016, we completed our acquisition of LinkedIn Corporation for a total purchase price of \$27.0 billion. LinkedIn has been included in our consolidated results of operations since the date of acquisition. Refer to Note 8 – Business Combinations of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion.

Industry Trends

Our industry is dynamic and highly competitive, with frequent changes in both technologies and business models. Each industry shift is an opportunity to conceive new products, new technologies, or new ideas that can further transform the industry and our business. At Microsoft, we push the boundaries of what is possible through a broad range of research and development activities that seek to identify and address the changing demands of customers and users, industry trends, and competitive forces.

Economic Conditions, Challenges, and Risks

The markets for software, devices, and cloud-based services are dynamic and highly competitive. Our competitors are developing new software and devices, while also deploying competing cloud-based services for consumers and businesses. The devices and form factors customers prefer evolve rapidly, and influence how users access services in the cloud, and in some cases, the user's choice of which suite of cloud-based services to use. We must continue to evolve and adapt over an extended time in pace with this changing environment. The investments we are making in infrastructure and devices will continue to increase our operating costs and may decrease our operating margins.

Our success is highly dependent on our ability to attract and retain qualified employees. We hire a mix of university and industry talent worldwide. Microsoft competes for talented individuals globally by offering an exceptional working environment, broad customer reach, scale in resources, the ability to grow one's career across many different products and businesses, and competitive compensation and benefits. Aggregate demand for our software, services, and devices is correlated to global macroeconomic and geopolitical factors, which remain dynamic.

Our international operations provide a significant portion of our total revenue and expenses. Many of these revenue and expenses are denominated in currencies other than the U.S. dollar. As a result, changes in foreign exchange rates may significantly affect revenue and expenses. Strengthening of the U.S. dollar relative to certain foreign currencies throughout fiscal year 2017 negatively impacted reported revenue and reduced reported expenses from our international operations. This trend has reversed in fiscal year 2018 and foreign currencies strengthening relative to the U.S. dollar have positively impacted our financial results.

Refer to Risk Factors (Part II, Item 1A of this Form 10-Q) for a discussion of these factors and other risks.

Seasonality

We expect our revenue to fluctuate quarterly and to be higher in the second and fourth quarters of our fiscal year. Second quarter revenue is driven by corporate year-end spending trends in our major markets and holiday season spending by consumers, and fourth quarter revenue is driven by the volume of multi-year on-premises contracts executed during the period.

Reportable Segments

We report our financial performance based on the following segments: Productivity and Business Processes, Intelligent Cloud, and More Personal Computing. The segment amounts included in MD&A are presented on a basis consistent with our internal management reporting. All differences between our internal management reporting basis and accounting principles generally accepted in the United States ("GAAP"), along with certain corporate-level and other activity, are included in Corporate and Other. We have recast certain previously reported amounts to conform to the way we internally manage and monitor segment performance.

Additional information on our reportable segments is contained in Note 19 – Segment Information and Geographic Data of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q).

SUMMARY RESULTS OF OPERATIONS

(In millions, except percentages and per share amounts)	Three Months Ended December 31,		Percentage Change	Six Months Ended December 31,		Percentage Change
	2017	2016		2017	2016	
Revenue	\$ 28,918	\$ 25,826	12%	\$ 53,456	\$ 47,754	12%
Gross margin	17,854	15,925	12%	34,114	30,009	14%
Operating income	8,679	7,905	10%	16,387	14,620	12%
Net income (loss)	(6,302)	6,267	(201)%	274	11,934	(98)%
Diluted earnings (loss) per share	(0.82)	0.80	(203)%	0.04	1.52	(97)%
Adjusted net income	7,498	6,267	20%	14,074	11,934	18%
Adjusted diluted earnings per share	0.96	0.80	20%	1.80	1.52	18%

Consolidated results of operations include LinkedIn results since the date of acquisition on December 8, 2016. The three and six months ended December 31, 2017 include a full period of LinkedIn results, whereas the three and six months ended December 31, 2016 only include 23 days of LinkedIn results.

Adjusted net income and adjusted diluted earnings per share exclude the net charge related to the TCJA. Refer to Non-GAAP Financial Measures below for a reconciliation of our financial results reported in accordance with GAAP to non-GAAP financial results.

Three Months Ended December 31, 2017 Compared with Three Months Ended December 31, 2016

Revenue increased \$3.1 billion or 12%, driven by growth across each of our segments. Productivity and Business Processes revenue increased, driven by LinkedIn and higher revenue from Office. Intelligent Cloud revenue increased, primarily due to higher revenue from server products and cloud services. More Personal Computing revenue increased, driven by higher revenue from Gaming and Search advertising, offset in part by lower revenue from phones.

Gross margin increased \$1.9 billion or 12%, primarily due to growth in Productivity and Business Processes, including LinkedIn, and Intelligent Cloud. Gross margin percentage was relatively unchanged, with favorable segment sales mix, offset by margin percentage declines in More Personal Computing and Intelligent Cloud. Gross margin percentage included a 7-point improvement in commercial cloud gross margin, primarily across Azure and Office 365.

Operating income increased \$774 million or 10%, primarily due to higher gross margin, offset in part by an increase in operating expenses. LinkedIn operating loss increased \$69 million to \$265 million, including \$376 million of amortization of intangible assets. Key changes in expenses were:

- Cost of revenue increased \$1.2 billion or 12%, mainly due to growth in our commercial cloud, Gaming, and LinkedIn.
- Sales and marketing expenses increased \$483 million or 12%, primarily due to LinkedIn expenses and investments in commercial sales capacity, offset in part by a decrease in Windows marketing expenses.

- Research and development expenses increased \$442 million or 14%, primarily due to LinkedIn expenses and investments in cloud engineering.
- General and administrative expenses increased \$230 million or 26%, primarily due to the LinkedIn expenses and benefit of a legal settlement in the prior year.

Current year net loss and diluted loss per share were negatively impacted by the net charge related to TCJA, which resulted in a decrease to net income and diluted earnings per share of \$13.8 billion and \$1.78, respectively.

Six Months Ended December 31, 2017 Compared with Six Months Ended December 31, 2016

Revenue increased \$5.7 billion or 12%, driven by growth across each of our segments. Productivity and Business Processes revenue increased, driven by LinkedIn and higher revenue from Office. Intelligent Cloud revenue increased, primarily due to higher revenue from server products and cloud services. More Personal Computing revenue increased, driven by higher revenue from Search advertising, Gaming, and Surface, offset by lower revenue from phones.

Gross margin increased \$4.1 billion or 14%, primarily due to growth across each of our segments. Gross margin percentage increased, driven by margin percentage increase in More Personal Computing and favorable segment sales mix, offset in part by margin percentage decline in Intelligent Cloud. Gross margin percentage included an 8-point improvement in commercial cloud gross margin, primarily across Azure and Office 365.

Operating income increased \$1.8 billion or 12%, primarily due to higher gross margin, offset in part by an increase in operating expenses. LinkedIn operating loss increased \$363 million to \$559 million, including \$748 million of amortization of intangible assets. Key changes in expenses were:

- Cost of revenue increased \$1.6 billion or 9%, mainly due to growth in our commercial cloud, LinkedIn, Gaming, and Search advertising, offset in part by a reduction in phone cost of revenue.
- Sales and marketing expenses increased \$1.1 billion or 15%, primarily due to LinkedIn expenses and increased investments in commercial sales capacity, offset in part by a decrease in Windows marketing expenses.
- Research and development expenses increased \$910 million or 15%, primarily due to LinkedIn expenses and investments in cloud engineering.
- General and administrative expenses increased \$351 million or 18%, primarily due to LinkedIn expenses and the benefit of a legal settlement in the prior year.

Current year net income and diluted earnings per share were negatively impacted by the net charge related to TCJA, which resulted in a decrease to net income and diluted earnings per share of \$13.8 billion and \$1.76, respectively.

SEGMENT RESULTS OF OPERATIONS

(In millions, except percentages)	Three Months Ended December 31,		Percentage Change	Six Months Ended December 31,		Percentage Change
	2017	2016		2017	2016	
Revenue						
Productivity and Business Processes	\$ 8,953	\$ 7,179	25%	\$ 17,191	\$ 13,615	26%
Intelligent Cloud	7,795	6,758	15%	14,717	12,855	14%
More Personal Computing	12,170	11,889	2%	21,548	21,284	1%
Total revenue	\$ 28,918	\$ 25,826	12%	\$ 53,456	\$ 47,754	12%
Operating Income						
Productivity and Business Processes	\$ 3,337	\$ 3,053	9%	\$ 6,343	\$ 5,958	6%
Intelligent Cloud	2,832	2,291	24%	4,969	4,068	22%
More Personal Computing	2,510	2,561	(2)%	5,075	4,594	10%
Total operating income	\$ 8,679	\$ 7,905	10%	\$ 16,387	\$ 14,620	12%

Reportable Segments**Three Months Ended December 31, 2017 Compared with Three Months Ended December 31, 2016***Productivity and Business Processes*

Revenue increased \$1.8 billion or 25%, primarily due to LinkedIn and higher revenue from Office.

- LinkedIn revenue increased \$1.1 billion to \$1.3 billion. LinkedIn revenue primarily consisted of revenue from Talent Solutions.
- Office Commercial revenue increased \$552 million or 10%, driven by Office 365 commercial revenue growth, mainly due to growth in subscribers, offset in part by lower revenue from products licensed on-premises, reflecting a continued shift to Office 365 commercial.
- Office Consumer revenue increased \$103 million or 12%, driven by Office 365 consumer revenue growth, mainly due to growth in subscribers.
- Dynamics revenue increased 10%, driven by Dynamics 365 revenue growth.

Operating income increased \$284 million or 9%, primarily due to higher gross margin, offset in part by higher operating expenses.

- Gross margin increased \$1.3 billion or 24%, driven by LinkedIn and growth in Office. Gross margin percentage decreased, primarily due to an increased mix of cloud offerings and LinkedIn, offset in part by gross margin percentage improvement in Office 365 commercial. LinkedIn cost of revenue increased \$313 million to \$432 million, including \$222 million of amortization of acquired intangible assets.
- Operating expenses increased \$1.0 billion or 41%, driven by LinkedIn expenses, investments in commercial sales capacity and cloud engineering, and the benefit of a legal settlement in the prior year. LinkedIn operating expenses increased \$840 million to \$1.1 billion, including \$154 million of amortization of acquired intangible assets.

Intelligent Cloud

Revenue increased \$1.0 billion or 15%, primarily due to higher revenue from server products and cloud services.

- Server products and cloud services revenue increased \$967 million or 18%, driven by Azure revenue growth of 98% and server products licensed on-premises revenue growth of 4%.
- Enterprise Services revenue increased \$64 million or 5%, driven by higher revenue from Premier Support Services and Microsoft Consulting Services, offset in part by a decline in revenue from custom support agreements.

Operating income increased \$541 million or 24%, primarily due to higher gross margin, offset in part by higher operating expenses.

- Gross margin increased \$625 million or 13%, driven by growth in server products and cloud services revenue and cloud services scale and efficiencies. Gross margin percentage decreased, primarily due to an increased mix of cloud offerings, offset in part by gross margin percentage improvement in Azure.
- Operating expenses increased \$84 million or 3%, driven by the benefit of a legal settlement in the prior year and investments in cloud engineering and commercial sales capacity.

More Personal Computing

Revenue increased \$281 million or 2%, primarily due to higher revenue from Gaming and Search advertising, offset in part by lower revenue from phones.

- Windows revenue increased 1%, driven by Windows OEM revenue growth, offset in part by a decline in Windows Commercial revenue. Windows OEM revenue increased 4%. Windows OEM Pro revenue grew 11%, outperforming the commercial PC market, primarily due to a higher mix of premium licenses sold and timing of license purchases. Windows OEM non-Pro revenue declined 5%, below the consumer PC market, primarily due to lower volumes of entry-level price devices sold. Windows Commercial revenue decreased 4%, primarily due to the impact of a prior year large deal.

- Gaming revenue increased \$303 million or 8%, driven by higher revenue from Xbox hardware and Xbox software and services. Xbox hardware revenue increased 14%, primarily due to the launch of Xbox One X. Xbox software and services revenue increased 4%, primarily due to Xbox Live revenue growth, offset in part by a decrease in revenue from the prior year launch of video games.
- Search advertising revenue increased \$215 million or 13%. Search advertising revenue, excluding traffic acquisition costs, increased 15%, driven by growth in Bing, primarily due to higher revenue per search and search volume.
- Surface revenue increased 1%, driven by a higher mix of premium devices sold, offset in part by a decrease in volume of devices sold.
- Phone revenue decreased \$204 million.

Operating income decreased \$51 million or 2%, primarily due to an increase in operating expenses.

- Gross margin was relatively unchanged, driven by a decline in Gaming, offset by an increase in Search advertising and Surface. Gross margin percentage decreased, primarily due to a gross margin percentage decline in Gaming.
- Operating expenses increased \$49 million or 2%, driven by investments in engineering and the benefit of a legal settlement in the prior year, offset in part by a decrease in Windows marketing and phone expenses.

Six Months Ended December 31, 2017 Compared with Six Months Ended December 31, 2016

Productivity and Business Processes

Revenue increased \$3.6 billion or 26%, primarily due to LinkedIn and higher revenue from Office.

- LinkedIn revenue increased \$2.2 billion to \$2.5 billion. LinkedIn revenue primarily consisted of revenue from Talent Solutions.
- Office Commercial revenue increased \$1.1 billion or 10%, driven by Office 365 commercial revenue growth, mainly due to growth in subscribers, offset in part by lower revenue from products licensed on-premises, reflecting a continued shift to Office 365 commercial.
- Office Consumer revenue increased \$199 million or 12%, driven by Office 365 consumer revenue growth, mainly due to growth in subscribers.
- Dynamics revenue increased 12%, driven by Dynamics 365 revenue growth.

Operating income increased \$385 million or 6%, primarily due to higher gross margin, offset in part by higher operating expenses.

- Gross margin increased \$2.6 billion or 24%, driven by LinkedIn and growth in Office. Gross margin percentage decreased, due to an increased mix of cloud offerings and LinkedIn, offset in part by gross margin percentage improvement in Office 365 commercial. LinkedIn cost of revenue increased \$724 million to \$843 million, including \$440 million of amortization for acquired intangible assets.
- Operating expenses increased \$2.2 billion or 47%, driven by LinkedIn expenses, investments in cloud engineering and commercial sales capacity, and the benefit of a legal settlement in the prior year. LinkedIn operating expenses increased \$1.9 million to \$2.2 billion, including \$308 million of amortization of acquired intangible assets.

Intelligent Cloud

Revenue increased \$1.9 billion or 14%, primarily due to higher revenue from server products and cloud services.

- Server products and cloud services revenue increased \$1.8 billion or 18%, driven by Azure revenue growth of 94% and server products licensed on-premises revenue growth of 3%.
- Enterprise Services revenue increased \$80 million or 3%, driven by higher revenue from Premier Support Services, offset in part by a decline in revenue from custom support agreements.

Operating income increased \$901 million or 22%, primarily due to higher gross margin, offset in part by higher operating expenses.

- Gross margin increased \$1.1 billion or 12%, driven by growth in server products and cloud services revenue and cloud services scale and efficiencies. Gross margin percentage decreased, due to an

increased mix of cloud offerings and lower Enterprise Services gross margin percentage, offset in part by improvement in Azure gross margin percentage.

- Operating expenses increased \$158 million or 3%, driven by investments in commercial sales capacity and cloud engineering and the benefit of a legal settlement in the prior year.

More Personal Computing

Revenue increased \$264 million or 1%, primarily due to higher revenue from Search advertising, Gaming, and Surface, offset in part by lower revenue from phones.

- Windows revenue increased slightly, driven by growth in Windows OEM, offset by a decline in patent licensing revenue. Windows OEM revenue increased 4%. Windows OEM Pro revenue grew 9%, outperforming the commercial PC market, primarily due to a higher mix of premium licenses sold. Windows OEM non-Pro revenue declined 3%, below the consumer PC market, primarily due to lower volumes of entry-level price devices sold.
- Search advertising revenue increased \$425 million or 14%. Search advertising revenue, excluding traffic acquisition costs, increased 15%, driven by growth in Bing, due to higher revenue per search and search volume.
- Gaming revenue increased \$313 million or 6%, driven by higher revenue from Xbox software and services, offset in part by lower Xbox hardware revenue. Xbox software and services revenue increased 11%, primarily due to a higher volume of Xbox Live transactions, offset in part by a decline in revenue per transaction. Xbox hardware revenue decreased 2%.
- Surface revenue increased \$126 million or 6%, driven by a higher mix of premium devices sold, offset in part by a decrease in volume of devices sold.
- Phone revenue decreased \$519 million.

Operating income increased \$481 million or 10%, primarily due to higher gross margin.

- Gross margin increased \$492 million or 5%, driven by growth in Search advertising, Surface, and Windows. Gross margin percentage increased, due to gross margin percentage improvements in Devices and favorable sales mix.
- Operating expenses relatively unchanged, driven by investments in engineering and the benefit of a legal settlement in the prior year, offset in part by a decrease in Windows and Gaming marketing expenses and a reduction in phone expenses.

OPERATING EXPENSES

Research and Development

(In millions, except percentages)	Three Months Ended December 31,		Percentage Change	Six Months Ended December 31,		Percentage Change
	2017	2016		2017	2016	
Research and development	\$ 3,504	\$ 3,062	14%	\$ 7,078	\$ 6,168	15%
As a percent of revenue	12%	12%	Oppt	13%	13%	Oppt

Research and development expenses include payroll, employee benefits, stock-based compensation expense, and other headcount-related expenses associated with product development. Research and development expenses also include third-party development and programming costs, localization costs incurred to translate software for international markets, and the amortization of purchased software code and services content.

Three Months Ended December 31, 2017 Compared with Three Months Ended December 31, 2016

Research and development expenses increased \$442 million or 14%, primarily due to LinkedIn expenses and investments in cloud engineering. LinkedIn expenses increased \$280 million to \$362 million.

Six Months Ended December 31, 2017 Compared with Six Months Ended December 31, 2016

Research and development expenses increased \$910 million or 15%, primarily due to LinkedIn expenses and investments in cloud engineering. LinkedIn expenses increased \$625 million to \$707 million.

Sales and Marketing

(In millions, except percentages)	Three Months Ended December 31,		Percentage Change	Six Months Ended December 31,		Percentage Change
	2017	2016		2017	2016	
Sales and marketing	\$ 4,562	\$ 4,079	12%	\$ 8,374	\$ 7,297	15%
As a percent of revenue	16%	16%	0ppt	16%	15%	1ppt

Sales and marketing expenses include payroll, employee benefits, stock-based compensation expense, and other headcount-related expenses associated with sales and marketing personnel, and the costs of advertising, promotions, trade shows, seminars, and other programs.

Three Months Ended December 31, 2017 Compared with Three Months Ended December 31, 2016

Sales and marketing expenses increased \$483 million or 12%, primarily due to LinkedIn expenses and investments in commercial sales capacity, offset in part by a decrease in Windows marketing expenses. LinkedIn expenses increased \$459 million to \$649 million, including \$154 million of amortization of acquired intangible assets.

Six Months Ended December 31, 2017 Compared with Six Months Ended December 31, 2016

Sales and marketing expenses increased \$1.1 billion or 15%, primarily due to LinkedIn expenses and investments in commercial sales capacity, offset in part by a decrease in Windows marketing expenses. LinkedIn expenses increased \$1.0 billion to \$1.2 billion, including \$308 million of amortization of acquired intangible assets.

General and Administrative

(In millions, except percentages)	Three Months Ended December 31,		Percentage Change	Six Months Ended December 31,		Percentage Change
	2017	2016		2017	2016	
General and administrative	\$ 1,109	\$ 879	26%	\$ 2,275	\$ 1,924	18%
As a percent of revenue	4%	3%	1ppt	4%	4%	0ppt

General and administrative expenses include payroll, employee benefits, stock-based compensation expense, severance expense, and other headcount-related expenses associated with finance, legal, facilities, certain human resources and other administrative personnel, certain taxes, and legal and other administrative fees.

Three Months Ended December 31, 2017 Compared with Three Months Ended December 31, 2016

General and administrative expenses increased \$230 million or 26%, primarily due to LinkedIn expenses and the benefit of a legal settlement in the prior year. LinkedIn expenses increased \$101 million to \$134 million.

Six Months Ended December 31, 2017 Compared with Six Months Ended December 31, 2016

General and administrative expenses increased \$351 million or 18%, primarily due to LinkedIn expenses and the benefit of a legal settlement in the prior year. LinkedIn expenses increased \$233 million to \$266 million.

OTHER INCOME (EXPENSE), NET

The components of other income (expense), net were as follows:

(In millions)	Three Months Ended December 31,		Six Months Ended December 31,	
	2017	2016	2017	2016
Dividends and interest income	\$ 530	\$ 311	\$ 1,003	\$ 604
Interest expense	(698)	(521)	(1,370)	(958)
Net recognized gains on investments	768	698	1,341	1,103
Net losses on derivatives	(84)	(46)	(134)	(140)
Net losses on foreign currency remeasurements	(60)	(153)	(69)	(193)
Other, net	34	(172)	(5)	(187)
Total	\$ 490	\$ 117	\$ 766	\$ 229

We use derivative instruments to: manage risks related to foreign currencies, equity prices, interest rates, and credit; enhance investment returns; and facilitate portfolio diversification. Gains and losses from changes in fair values of derivatives that are not designated as hedges are primarily recognized in other income (expense), net. Other than those derivatives entered into for investment purposes, the gains (losses) are generally economically offset by unrealized (losses) gains in the underlying available-for-sale securities and (losses) gains on certain balance sheet amounts from foreign exchange rate changes.

Three Months Ended December 31, 2017 Compared with Three Months Ended December 31, 2016

Dividends and interest income increased primarily due to higher portfolio balances and yields on fixed-income securities. Interest expense increased primarily due to higher outstanding long-term debt. Net recognized gains on investments increased primarily due to higher gains on sales of equity securities. Other, net reflects recognized gains from certain joint ventures in the current period and recognized losses from divestitures and certain joint ventures in the prior period.

Six Months Ended December 31, 2017 Compared with Six Months Ended December 31, 2016

Dividends and interest income increased primarily due to higher portfolio balances and yields on fixed-income securities. Interest expense increased primarily due to higher outstanding long-term debt. Net recognized gains on investments increased primarily due to higher gains on sales of equity securities. Other, net reflects recognized losses from divestitures and certain joint ventures in the prior period.

INCOME TAXES**Effective Tax Rate**

Our effective tax rate was 169% and 22% for the three months ended December 31, 2017 and 2016, respectively, and 98% and 20% for the six months ended December 31, 2017 and 2016, respectively. The increase in our effective tax rate for the current quarter and year-to-date compared to the prior year was primarily due to the net charge related to the TCJA.

Our effective tax rate was higher than the U.S. federal statutory rate primarily due to the net charge related to the TCJA.

Recent Tax Legislation

On December 22, 2017, the TCJA was enacted into law, which significantly changes existing U.S. tax law and includes numerous provisions that affect our business, such as imposing a one-time transition tax on deemed repatriation of deferred foreign income, reducing the U.S. federal statutory tax rate, and adopting a territorial tax system. The TCJA requires us to incur a one-time transition tax on deferred foreign income not previously subject to U.S. income tax at a rate of 15.5% for foreign cash and certain other net current assets, and 8% on the remaining income. The TCJA also reduces the U.S. federal statutory tax rate from 35% to 21% effective January 1, 2018. For fiscal year 2018, our blended U.S. federal statutory tax rate is 28%. This is the result of using the tax rate of 35% for the first and second quarter of fiscal year 2018 and the reduced tax rate of 21% for the third and fourth quarter of

fiscal year 2018. The TCJA includes a provision to tax global intangible low-taxed income ("GILTI") of foreign subsidiaries and a base erosion anti-abuse tax ("BEAT") measure that taxes certain payments between a U.S. corporation and its subsidiaries. The GILTI and BEAT provisions of the TCJA will be effective for us beginning July 1, 2018.

The TCJA is effective in the second quarter of fiscal year 2018. As of December 31, 2017, we have not completed our accounting for the tax effects of the TCJA. During the quarter, we recorded a provisional net charge based on reasonable estimates for those tax effects. The provisional net charge is subject to revisions as we complete our analysis of the TCJA, collect and prepare necessary data, and interpret any additional guidance issued by the U.S. Treasury Department, Internal Revenue Service ("IRS"), FASB, and other standard-setting and regulatory bodies. Adjustments may materially impact our provision for income taxes and effective tax rate in the period in which the adjustments are made. Our accounting for the tax effects of the TCJA will be completed during the measurement period, which should not extend beyond one year from the enactment date.

During the second quarter of fiscal year 2018, we recorded an estimated net charge of \$13.8 billion related to the TCJA, due to the impact of the one-time transition tax on the deemed repatriation of deferred foreign income of \$17.8 billion, offset in part by the impact of changes in the tax rate of \$4.0 billion, primarily on deferred tax assets and liabilities.

Uncertain Tax Positions

While we settled a portion of the IRS audit for tax years 2004 to 2006 during the third quarter of fiscal year 2011, and a portion of the IRS audit for tax years 2007 to 2009 during the first quarter of fiscal year 2016, we remain under audit for those years. In the second quarter of fiscal year 2018, we settled a portion of the IRS audit for tax years 2010 to 2013. We continue to be subject to examination by the IRS for tax years 2010 to 2016. In February 2012, the IRS withdrew its 2011 Revenue Agents Report for tax years 2004 to 2006 and reopened the audit phase of the examination. As of December 31, 2017, the primary unresolved issue relates to transfer pricing, which could have a significant impact on our consolidated financial statements if not resolved favorably. We believe our allowances for income tax contingencies are adequate. We have not received a proposed assessment for the unresolved issues and do not expect a final resolution of these issues in the next 12 months. Based on the information currently available, we do not anticipate a significant increase or decrease to our tax contingencies for these issues within the next 12 months.

We are subject to income tax in many jurisdictions outside the U.S. Our operations in certain jurisdictions remain subject to examination for tax years 1996 to 2017, some of which are currently under audit by local tax authorities. The resolutions of these audits are not expected to be material to our consolidated financial statements.

Tax contingencies and other income tax liabilities were \$13.8 billion and \$13.5 billion as of December 31, 2017 and June 30, 2017, respectively, and are included in long-term income taxes on our consolidated balance sheets. This increase relates primarily to current period intercompany transfer pricing.

NON-GAAP FINANCIAL MEASURES

Adjusted net income and diluted earnings per share are non-GAAP financial measures which exclude the net charge related to the TCJA. We believe these non-GAAP measures aid investors by providing additional insight into our operational performance and help clarify trends affecting our business. For comparability of reporting, management considers non-GAAP measures in conjunction with GAAP financial results in evaluating business performance. These non-GAAP financial measures presented should not be considered a substitute for, or superior to, the measures of financial performance prepared in accordance with GAAP.

The following table reconciles our financial results reported in accordance with GAAP to non-GAAP financial results:

(In millions, except percentages and per share amounts)	Three Months Ended December 31,		Percentage Change	Six Months Ended December 31,		Percentage Change
	2017	2016		2017	2016	
Net income (loss)	\$ (6,302)	\$ 6,267	(201)%	\$ 274	\$ 11,934	(98)%
Net charge related to the TCJA	13,800	0		13,800	0	
Adjusted net income	\$ 7,498	\$ 6,267	20%	\$ 14,074	\$ 11,934	18%
Diluted earnings (loss) per share	\$ (0.82)	\$ 0.80	(203)%	\$ 0.04	\$ 1.52	(97)%
Net charge related to the TCJA	1.78	0		1.76	0	
Adjusted diluted earnings per share	\$ 0.96	\$ 0.80	20%	\$ 1.80	\$ 1.52	18%

FINANCIAL CONDITION

Cash, Cash Equivalents, and Investments

Cash, cash equivalents, and short-term investments totaled \$142.8 billion and \$133.0 billion as of December 31, 2017 and June 30, 2017, respectively. Equity and other investments were \$4.0 billion and \$6.0 billion as of December 31, 2017 and June 30, 2017, respectively. Our short-term investments are primarily intended to facilitate liquidity and capital preservation. They consist predominantly of highly liquid investment-grade fixed-income securities, diversified among industries and individual issuers. The investments are predominantly U.S. dollar-denominated securities, but also include foreign currency-denominated securities to diversify risk. Our fixed-income investments are exposed to interest rate risk and credit risk. The credit risk and average maturity of our fixed-income portfolio are managed to achieve economic returns that correlate to certain fixed-income indices. The settlement risk related to these investments is insignificant given that the short-term investments held are primarily highly liquid investment-grade fixed-income securities.

As a result of the TCJA, our cash, cash equivalents, and short-term investments held by foreign subsidiaries are no longer subject to U.S. tax on repatriation into the U.S.

Securities Lending

We lend certain fixed-income and equity securities to increase investment returns. The loaned securities continue to be carried as investments on our consolidated balance sheets. Cash and/or security interests are received as collateral for the loaned securities with the amount determined based upon the underlying security lent and the creditworthiness of the borrower. Cash collateral received is recorded as an asset with a corresponding liability. Our securities lending payable balance was \$26 million as of December 31, 2017. Our average and maximum securities lending payable balances were \$188 million and \$600 million, respectively, for the three months ended December 31, 2017. Our average and maximum securities lending payable balances were \$215 million and \$600 million, respectively, for the six months ended December 31, 2017. Intra-year variances in the amount of securities loaned are mainly due to fluctuations in the demand for the securities.

Valuation

In general, and where applicable, we use quoted prices in active markets for identical assets or liabilities to determine the fair value of our financial instruments. This pricing methodology applies to our Level 1 investments, such as U.S. government securities, domestic and international equities, and exchange-traded mutual funds. If quoted prices in active markets for identical assets or liabilities are not available to determine fair value, then we use quoted prices for similar assets and liabilities or inputs other than the quoted prices that are observable either directly or indirectly. This pricing methodology applies to our Level 2 investments such as foreign government bonds, corporate notes and bonds, mortgage- and asset-backed securities, U.S. government and agency securities, certificates of deposit, and common and preferred stock. Level 3 investments are valued using internally developed models with unobservable inputs. Assets and liabilities measured at fair value on a recurring basis using unobservable inputs are an immaterial portion of our portfolio.

A majority of our investments are priced by pricing vendors and are generally Level 1 or Level 2 investments as these vendors either provide a quoted market price in an active market or use observable inputs for their pricing without applying significant adjustments. Broker pricing is used mainly when a quoted price is not available, the investment is not priced by our pricing vendors, or when a broker price is more reflective of fair values in the market in which the investment trades. Our broker-priced investments are generally classified as Level 2 investments because the broker prices these investments based on similar assets without applying significant adjustments. In addition, all our broker-priced investments have a sufficient level of trading volume to demonstrate that the fair values used are appropriate for these investments. Our fair value processes include controls that are designed to ensure appropriate fair values are recorded. These controls include model validation, review of key model inputs, analysis of period-over-period fluctuations, and independent recalculation of prices where appropriate.

Cash Flows

Cash from operations increased \$2.5 billion to \$20.3 billion for the six months ended December 31, 2017, mainly due to an increase in cash received from customers, offset in part by an increase in cash paid to employees, an income tax refund received in the prior year for overpayment of estimated taxes, and higher cash paid for interest on debt. Cash used in financing was \$7.9 billion for the six months ended December 31, 2017, compared to cash from financing of \$17.3 billion for the six months ended December 31, 2016. The change was mainly due to a \$27.8 billion decrease in proceeds from issuances of debt, net of repayments, offset in part by a \$3.4 billion decrease in cash used for common stock repurchases. Cash used in investing decreased \$26.0 billion to \$7.2 billion for the six months ended December 31, 2017, mainly due to a \$24.6 billion decrease in cash used for acquisitions of companies, net of cash acquired, and purchases of intangibles and other assets, and a \$3.0 billion decrease in cash used for net investment purchases, sales, and maturities.

Debt

We issued debt to take advantage of favorable pricing and liquidity in the debt markets, reflecting our credit rating and the low interest rate environment. The proceeds of these issuances were or will be used for general corporate purposes, which may include, among other things, funding for working capital, capital expenditures, repurchases of capital stock, acquisitions, and repayment of existing debt. Refer to Note 11 – Debt of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion.

Unearned Revenue

Unearned revenue is comprised mainly of unearned revenue related to volume licensing programs and includes Software Assurance (“SA”) and cloud services. Unearned revenue is generally billed upfront at the beginning of each annual coverage period for multi-year agreements and recognized ratably over the coverage period. Unearned revenue also includes payments for other offerings for which we have been paid in advance and earn the revenue when we transfer control of the product or service. Refer to Note 1 – Accounting Policies of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion.

The following table outlines the expected future recognition of unearned revenue as of December 31, 2017:

(In millions)

Three Months Ending,		
March 31, 2018	\$	10,121
June 30, 2018		6,488
September 30, 2018		3,000
December 31, 2018		1,700
Thereafter		2,500
Total	\$	<u>23,809</u>

If our customers choose to license cloud-based versions of our products and services rather than licensing transaction-based products and services, the associated revenue will shift from being recognized at the time of the transaction to being recognized over the subscription period or upon consumption, as applicable.

Share Repurchases

For the six months ended December 31, 2017, we repurchased 44 million shares of our common stock for \$3.4 billion through our share repurchase programs. All repurchases were made using cash resources. Refer to Note 17 – Stockholders' Equity of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion.

Dividends

Refer to Note 17 – Stockholders' Equity of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion.

Off-Balance Sheet Arrangements

We provide indemnifications of varying scope and size to certain customers against claims of intellectual property infringement made by third parties arising from the use of our products and certain other matters. Additionally, we have agreed to cover damages resulting from breaches of certain security and privacy commitments in our cloud business. In evaluating estimated losses on these indemnifications, we consider factors such as the degree of probability of an unfavorable outcome and our ability to make a reasonable estimate of the amount of loss. These obligations did not have a material impact on our consolidated financial statements during the periods presented.

Other Planned Uses of Capital

We will continue to invest in sales, marketing, product support infrastructure, and existing and advanced areas of technology, as well as continue making acquisitions that align with our business strategy. Additions to property and equipment will continue, including new facilities, datacenters, and computer systems for research and development, sales and marketing, support, and administrative staff. We expect capital expenditures to increase in coming years to support growth in our cloud offerings. We have operating and finance leases for datacenters, corporate offices, research and development facilities, retail stores, and certain equipment. We have not engaged in any related party transactions or arrangements with unconsolidated entities or other persons that are reasonably likely to materially affect liquidity or the availability of capital resources.

Liquidity

As a result of the TCJA, we are required to pay a one-time transition tax of \$17.8 billion on deferred foreign income not previously subject to U.S. income tax. Under the TCJA, the transition tax is payable beginning in fiscal year 2019 interest-free over eight years, with 8% due in each of the first five years, 15% in year six, 20% in year seven, and 25% in year eight.

We expect existing cash, cash equivalents, short-term investments, cash flows from operations, and access to capital markets to continue to be sufficient to fund our operating activities and cash commitments for investing and financing activities, such as dividends, share repurchases, debt maturities, material capital expenditures, and the transition tax related to the TCJA, for at least the next 12 months and thereafter for the foreseeable future.

RECENT ACCOUNTING GUIDANCE

Refer to Note 1 – Accounting Policies of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion.

APPLICATION OF CRITICAL ACCOUNTING POLICIES

Our consolidated financial statements and accompanying notes are prepared in accordance with GAAP. Preparing consolidated financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenue, and expenses. These estimates and assumptions are affected by management's application of accounting policies. Critical accounting policies for us include revenue recognition, impairment of investment securities, goodwill, research and development costs, contingencies, income taxes, and inventories.

Revenue Recognition

Our contracts with customers often include promises to transfer multiple products and services to a customer. Determining whether products and services are considered distinct performance obligations that should be

accounted for separately versus together may require significant judgment. When a cloud-based service includes both on-premises software licenses and cloud services, judgment is required to determine whether the software license is considered distinct and accounted for separately, or not distinct and accounted for together with the cloud service and recognized over time. Certain cloud services, primarily Office 365, depend on a significant level of integration, interdependency, and interrelation between the desktop applications and cloud services, and are accounted for together as one performance obligation. Revenue from Office 365 is recognized ratably over the period in which the cloud services are provided.

Judgment is required to determine the stand-alone selling price ("SSP") for each distinct performance obligation. We use a single amount to estimate SSP for items that are not sold separately, including on-premises licenses sold with SA, or software updates provided at no additional charge. We use a range of amounts to estimate SSP when we sell each of the products and services separately and need to determine whether there is a discount to be allocated based on the relative SSP of the various products and services.

In instances where SSP is not directly observable, such as when we do not sell the product or service separately, we determine the SSP using information that may include market conditions and other observable inputs. We typically have more than one SSP for individual products and services due to the stratification of those products and services by customers and circumstances. In these instances, we may use information such as the size of the customer and geographic region in determining the SSP.

Due to the various benefits from and the nature of our SA program, judgment is required to assess the pattern of delivery, including the exercise pattern of certain benefits across our portfolio of customers.

Our products are generally sold with a right of return and we may provide other credits or incentives, which are accounted for as variable consideration when estimating the amount of revenue to recognize.

The new standard related to revenue recognition had a material impact on our consolidated financial statements. Refer to Note 1 – Accounting Policies of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion.

Impairment of Investment Securities

We review investments quarterly for indicators of other-than-temporary impairment. This determination requires significant judgment. In making this judgment, we employ a systematic methodology quarterly that considers available quantitative and qualitative evidence in evaluating potential impairment of our investments. If the cost of an investment exceeds its fair value, we evaluate, among other factors, general market conditions, credit quality of debt instrument issuers, the duration and extent to which the fair value is less than cost, and for equity securities, our intent and ability to hold, or plans to sell, the investment. For fixed-income securities, we also evaluate whether we have plans to sell the security or it is more likely than not that we will be required to sell the security before recovery. We also consider specific adverse conditions related to the financial health of and business outlook for the investee, including industry and sector performance, changes in technology, and operational and financing cash flow factors. Once a decline in fair value is determined to be other-than-temporary, an impairment charge is recorded to other income (expense), net and a new cost basis in the investment is established. If market, industry, and/or investee conditions deteriorate, we may incur future impairments.

Goodwill

We allocate goodwill to reporting units based on the reporting unit expected to benefit from the business combination. We evaluate our reporting units on an annual basis and, if necessary, reassign goodwill using a relative fair value allocation approach. Goodwill is tested for impairment at the reporting unit level (operating segment or one level below an operating segment) on an annual basis (May 1 for us) and between annual tests if an event occurs or circumstances change that would more likely than not reduce the fair value of a reporting unit below its carrying value. These events or circumstances could include a significant change in the business climate, legal factors, operating performance indicators, competition, or sale or disposition of a significant portion of a reporting unit.

Application of the goodwill impairment test requires judgment, including the identification of reporting units, assignment of assets and liabilities to reporting units, assignment of goodwill to reporting units, and determination of the fair value of each reporting unit. The fair value of each reporting unit is estimated primarily through the use of a discounted cash flow methodology. This analysis requires significant judgments, including estimation of future cash flows, which is dependent on internal forecasts, estimation of the long-term rate of growth for our business, estimation of the useful life over which cash flows will occur, and determination of our weighted average cost of capital.

The estimates used to calculate the fair value of a reporting unit change from year to year based on operating results, market conditions, and other factors. Changes in these estimates and assumptions could materially affect the determination of fair value and goodwill impairment for each reporting unit.

Research and Development Costs

Costs incurred internally in researching and developing a computer software product are charged to expense until technological feasibility has been established for the product. Once technological feasibility is established, all software costs are capitalized until the product is available for general release to customers. Judgment is required in determining when technological feasibility of a product is established. We have determined that technological feasibility for our software products is reached after all high-risk development issues have been resolved through coding and testing. Generally, this occurs shortly before the products are released to production. The amortization of these costs is included in cost of revenue over the estimated life of the products.

Legal and Other Contingencies

The outcomes of legal proceedings and claims brought against us are subject to significant uncertainty. An estimated loss from a loss contingency such as a legal proceeding or claim is accrued by a charge to income if it is probable that an asset has been impaired or a liability has been incurred and the amount of the loss can be reasonably estimated. In determining whether a loss should be accrued we evaluate, among other factors, the degree of probability of an unfavorable outcome and the ability to make a reasonable estimate of the amount of loss. Changes in these factors could materially impact our consolidated financial statements.

Income Taxes

The objectives of accounting for income taxes are to recognize the amount of taxes payable or refundable for the current year, and deferred tax liabilities and assets for the future tax consequences of events that have been recognized in an entity's financial statements or tax returns. We recognize the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained on examination by the taxing authorities, based on the technical merits of the position. The tax benefits recognized in the financial statements from such a position are measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate settlement. Accounting literature also provides guidance on derecognition of income tax assets and liabilities, classification of deferred income tax assets and liabilities, accounting for interest and penalties associated with tax positions, and income tax disclosures. Judgment is required in assessing the future tax consequences of events that have been recognized on our consolidated financial statements or tax returns. Variations in the actual outcome of these future tax consequences could materially impact our consolidated financial statements.

The TCJA significantly changes existing U.S. tax law and includes numerous provisions that affect our business. Refer to Note 12 – Income Taxes of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion.

Inventories

Inventories are stated at average cost, subject to the lower of cost or market. Cost includes materials, labor, and manufacturing overhead related to the purchase and production of inventories. We regularly review inventory quantities on hand, future purchase commitments with our suppliers, and the estimated utility of our inventory. These reviews include analysis of demand forecasts, product life cycle status, product development plans, current sales levels, pricing strategy, and component cost trends. If our review indicates a reduction in utility below carrying value, we reduce our inventory to a new cost basis through a charge to cost of revenue.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISKRISKS

We are exposed to economic risk from foreign exchange rates, interest rates, credit risk, and equity prices. A portion of these risks is hedged, but they may impact our consolidated financial statements.

Foreign Currency

Certain forecasted transactions, assets, and liabilities are exposed to foreign currency risk. We monitor our foreign currency exposures daily and use hedges where practicable to offset the risks and maximize the economic effectiveness of our foreign currency positions. Principal currencies hedged include the euro, Japanese yen, British pound, Canadian dollar, and Australian dollar.

Interest Rate

Our fixed-income portfolio is diversified across credit sectors and maturities, consisting primarily of investment-grade securities. The credit risk and average maturity of the fixed-income portfolio is managed to achieve economic returns that correlate to certain global and domestic fixed-income indices. In addition, we use "To Be Announced" forward purchase commitments of mortgage-backed assets to gain exposure to agency mortgage-backed securities.

Equity

Our equity portfolio consists of global, developed, and emerging market securities that are subject to market price risk. We manage the securities relative to certain global and domestic indices and expect their economic risk and return to correlate with these indices.

VALUE-AT-RISK

We use a value-at-risk ("VaR") model to estimate and quantify our market risks. VaR is the expected loss, for a given confidence level, in the fair value of our portfolio due to adverse market movements over a defined time horizon. The VaR model is not intended to represent actual losses in fair value, including determinations of other-than-temporary losses in fair value in accordance with accounting principles generally accepted in the United States of America ("GAAP"), but is used as a risk estimation and management tool. The distribution of the potential changes in total market value of all holdings is computed based on the historical volatilities and correlations among foreign exchange rates, interest rates, and equity prices, assuming normal market conditions.

The VaR is calculated as the total loss that will not be exceeded at the 97.5 percentile confidence level or, alternatively stated, the losses could exceed the VaR in 25 out of 1,000 cases. Several risk factors are not captured in the model, including liquidity risk, operational risk, and legal risk.

The following table sets forth the one-day VaR for substantially all of our positions:

(In millions)

Risk Categories	December 31, 2017		June 30, 2017		Three Months Ended December 31, 2017					
					Average	High	Low			
Foreign currency	\$	187	\$	114	\$	204	\$	230	\$	183
Interest rate		180		152		163		183		152
Equity		25		54		33		37		25

Total one-day VaR for the combined risk categories was \$275 million and \$207 million as of December 31, 2017 and June 30, 2017, respectively. The total VaR is 30% and 35% less as of December 31, 2017 and June 30, 2017, respectively, than the sum of the separate risk categories in the table above due to the diversification benefit of the combination of risks.

ITEM 4. CONTROLS AND PROCEDURES

Under the supervision and with the participation of our management, including the Chief Executive Officer and Chief Financial Officer, we have evaluated the effectiveness of our disclosure controls and procedures as required by Exchange Act Rule 13a-15(b) as of the end of the period covered by this report. Based on that evaluation, the Chief Executive Officer and Chief Financial Officer have concluded that these disclosure controls and procedures are effective.

There were no changes in our internal control over financial reporting during the quarter ended December 31, 2017 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. We implemented internal controls to ensure we adequately evaluated our contracts and properly assessed the impact of the new accounting standards related to revenue recognition and leases on our financial statements to facilitate their adoption on July 1, 2017. There were no significant changes to our internal control over financial reporting due to the adoption of the new standards.

PART II. OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

Refer to Note 16 – Contingencies of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for information regarding legal proceedings in which we are involved.

ITEM 1A. RISK FACTORS

Our operations and financial results are subject to various risks and uncertainties, including those described below, that could adversely affect our business, financial condition, results of operations, cash flows, and the trading price of our common stock.

We face intense competition across all markets for our products and services, which may lead to lower revenue or operating margins.

Competition in the technology sector

Our competitors range in size from diversified global companies with significant research and development resources to small, specialized firms whose narrower product lines may let them be more effective in deploying technical, marketing, and financial resources. Barriers to entry in many of our businesses are low and many of the areas in which we compete evolve rapidly with changing and disruptive technologies, shifting user needs, and frequent introductions of new products and services. Our ability to remain competitive depends on our success in making innovative products, devices, and services that appeal to businesses and consumers.

Competition among platforms, ecosystems, and devices

An important element of our business model has been to create platform-based ecosystems on which many participants can build diverse solutions. A well-established ecosystem creates beneficial network effects among users, application developers, and the platform provider that can accelerate growth. Establishing significant scale in the marketplace is necessary to achieve and maintain attractive margins. We face significant competition from firms that provide competing platforms, applications, and services.

- A competing vertically-integrated model, in which a single firm controls the software and hardware elements of a product and related services, has succeeded with some consumer products such as personal computers, tablets, phones, gaming consoles, and wearables. Competitors pursuing this model also earn revenue from services integrated with the hardware and software platform. We also offer some vertically-integrated hardware and software products and services. To the extent we shift a portion of our business to a vertically integrated model we increase our cost of revenue and reduce our operating margins.
- We derive substantial revenue from licenses of Windows operating systems on personal computers. We face significant competition from competing platforms developed for new devices and form factors such as smartphones and tablet computers. These devices compete on multiple bases including price and the perceived utility of the device and its platform. Users are increasingly turning to these devices to perform functions that in the past were performed by personal computers. Even if many users view these devices as complementary to a personal computer, the prevalence of these devices may make it more difficult to attract application developers to our PC operating system platforms. Competing with operating systems licensed at low or no cost may decrease our PC operating system margins. In addition, some of our devices compete with products made by our original equipment manufacturer (“OEM”) partners, which may affect their commitment to our platform.
- Competing platforms have content and application marketplaces with scale and significant installed bases. The variety and utility of content and applications available on a platform are important to device purchasing decisions. Users sometimes incur costs to move data and buy new content and applications when switching platforms. To compete, we must successfully enlist developers to write applications for our marketplace and ensure that these applications have high quality, customer appeal, and value. Efforts to compete with competitors’ content and application marketplaces may increase our cost of revenue and lower our operating margins.

Business model competition

Companies compete with us based on a growing variety of business models.

- Even as we transition more of our business to a services and subscription business model, the license-based proprietary software model generates most of our software revenue. We bear the costs of converting original ideas into software products through investments in research and development, offsetting these costs with the revenue received from licensing our products. Many of our competitors also develop and sell software to businesses and consumers under this model.
- Other competitors develop and offer free applications, online services and content, and make money by selling third-party advertising. Advertising revenue funds development of products and services these competitors provide to users at no or little cost, competing directly with our revenue-generating products.
- Some companies compete with us using an open source business model by modifying and then distributing open source software at nominal cost to end-users, and earning revenue on advertising or complementary services and products. These firms do not bear the full costs of research and development for the software. Some open source software vendors develop software that mimics the features and functionality of our products.

The competitive pressures described above may cause decreased sales volumes, price reductions, and/or increased operating costs, such as for research and development, marketing, and sales incentives. This may lead to lower revenue, gross margins, and operating income.

Our increasing focus on services presents execution and competitive risks. A growing part of our business involves cloud-based services available across the spectrum of computing devices. Our strategic vision is to compete and grow by building best-in-class platforms and productivity services for an intelligent cloud and an intelligent edge infused with artificial intelligence. At the same time, our competitors are rapidly developing and deploying cloud-based services for consumers and business customers. Pricing and delivery models are evolving. Devices and form factors influence how users access services in the cloud and sometimes the user's choice of which suite of cloud-based services to use. We are devoting significant resources to develop and deploy our cloud-based strategies. The Windows ecosystem must continue to evolve with this changing environment. We are undertaking cultural and organizational changes to drive accountability and eliminate obstacles to innovation. The Company's investment in gaining insights from data is becoming central to the value of the services we deliver to customers, to our operational efficiency and key opportunities in monetization, customer perceptions of quality, and operational efficiency. Our ability to use data in this way may be constrained by regulatory developments that impede realizing the expected return from this investment.

Besides software development costs, we are incurring costs to build and maintain infrastructure to support cloud computing services. These costs will reduce the operating margins we have previously achieved. Whether we succeed in cloud-based services depends on our execution in several areas, including:

- Continuing to bring to market compelling cloud-based experiences that generate increasing traffic and market share.
- Maintaining the utility, compatibility, and performance of our cloud-based services on the growing array of computing devices, including PCs, smartphones, tablets, gaming consoles, and other television-related devices.
- Continuing to enhance the attractiveness of our cloud platforms to third-party developers.
- Ensuring our cloud-based services meet the reliability expectations of our customers and maintain the security of their data.
- Making our suite of cloud-based services platform-agnostic, available on a wide range of devices and ecosystems, including those of our competitors.

It is uncertain whether our strategies will attract the users or generate the revenue required to succeed. If we are not effective in executing organizational and technical changes to increase efficiency and accelerate innovation, or if we fail to generate sufficient usage of our new products and services, we may not grow revenue in line with the infrastructure and development investments described above. This may negatively impact gross margins and operating income.

We make significant investments in new products and services that may not achieve expected returns. We will continue to make significant investments in research, development, and marketing for existing products, services, and technologies, including the Windows operating system, Microsoft Office, Bing, SQL Server, Windows Server, the Windows Store, Microsoft Azure, Office 365, other cloud-based offerings, Xbox Live, and LinkedIn. We also invest in the development and acquisition of a variety of hardware for productivity, communication, and entertainment including PCs, tablets, gaming devices, and HoloLens. Investments in new technology are speculative. Commercial success depends on many factors, including innovativeness, developer support, and effective distribution and marketing. If customers do not perceive our latest offerings as providing significant new functionality or other value, they may reduce their purchases of new software and hardware products or upgrades, unfavorably affecting revenue. We may not achieve significant revenue from new product, service, and distribution channel investments for several years, if at all. New products and services may not be profitable, and even if they are profitable, operating margins for some new products and businesses will not be as high as the margins we have experienced historically.

We did extensive preparation and ongoing compatibility testing for applications and devices to help ensure a positive experience for our users installing Windows 10. However, negative upgrade experiences could adversely affect the reception of Windows 10 in the marketplace and could lead to litigation or regulatory actions by customers and government agencies. In addition, we anticipate that Windows 10 will enable new post-license monetization opportunities beyond initial license revenues. Our inability to realize these opportunities to the extent we expect could have an adverse impact on our revenues. Finally, our practices for data collection, use, and management in Windows 10 are subject to regulatory review, and may result in decisions directing us to change these practices and imposing fines. If so, we could face negative public reaction, degraded user experiences, and reduced flexibility in product design.

Developing new technologies is complex. It can require long development and testing periods. Significant delays in new releases or significant problems in creating new products or services could adversely affect our revenue.

Acquisitions, joint ventures, and strategic alliances may have an adverse effect on our business. We expect to continue making acquisitions and entering into joint ventures and strategic alliances as part of our long-term business strategy. In December 2016, we completed our acquisition of LinkedIn for \$27.0 billion. The LinkedIn acquisition and other transactions and arrangements involve significant challenges and risks, including that they do not advance our business strategy, that we get an unsatisfactory return on our investment, that we have difficulty integrating and retaining new employees, business systems, and technology, or that they distract management from our other businesses. If an arrangement fails to adequately anticipate changing circumstances and interests of a party, it may result in early termination or renegotiation of the arrangement. The success of these transactions and arrangements will depend in part on our ability to leverage them to enhance our existing products and services or develop compelling new ones. It may take longer than expected to realize the full benefits from these transactions and arrangements, such as increased revenue, enhanced efficiencies, or increased market share, or the benefits may ultimately be smaller than we expected. These events could adversely affect our operating results or financial condition.

If our goodwill or amortizable intangible assets become impaired, we may be required to record a significant charge to earnings. We acquire other companies and intangible assets and may not realize all the economic benefit from those acquisitions, which could cause an impairment of goodwill or intangibles. We review our amortizable intangible assets for impairment when events or changes in circumstances indicate the carrying value may not be recoverable. We test goodwill for impairment at least annually. Factors that may be a change in circumstances, indicating that the carrying value of our goodwill or amortizable intangible assets may not be recoverable, include a decline in our stock price and market capitalization, reduced future cash flow estimates, and slower growth rates in industry segments in which we participate. We may be required to record a significant charge on our consolidated financial statements during the period in which any impairment of our goodwill or amortizable intangible assets is determined, negatively affecting our results of operations. For example, in the fourth quarter of fiscal year 2015, we recorded a \$5.1 billion charge for the impairment of goodwill and a \$2.2 billion charge for the impairment of intangible assets, and in the fourth quarter of fiscal year 2016 we recorded a \$480 million charge for the impairment of intangible assets. The impairment charges for both periods related to our phone business. Our acquisition of LinkedIn resulted in a significant increase in our goodwill and intangible asset balances.

We may not earn the revenues we expect from our intellectual property rights.

We may not be able to adequately protect our intellectual property rights

Protecting our intellectual property rights and combating unlicensed copying and use of our software and other intellectual property on a global basis is difficult. While piracy adversely affects U.S. revenue, the impact on revenue from outside the U.S. is more significant, particularly in countries where laws are less protective of intellectual property rights. Our revenue in these markets may grow slower than the underlying device market. Similarly, the absence of harmonized patent laws makes it more difficult to ensure consistent respect for patent rights. Throughout the world, we educate users about the benefits of licensing genuine products and obtaining indemnification benefits for intellectual property risks, and we educate lawmakers about the advantages of a business climate where intellectual property rights are protected. Reductions in the legal protection for software intellectual property rights could adversely affect revenue.

We may not receive expected royalties from our patent licenses

We expend significant resources to patent the intellectual property we create with the expectation that we will generate revenues by incorporating that intellectual property in our products or services or, in some instances, by licensing our patents to others in return for a royalty. Changes in the law may weaken our ability to prevent the use of patented technology or collect revenue for licensing our patents. These include legislative changes and regulatory actions that make it more difficult to obtain injunctions, and the increasing use of legal process to challenge issued patents. Similarly, licensees of our patents may fail to satisfy their obligations to pay us royalties, or may contest the scope and extent of their obligations. Finally, the royalties we can obtain to monetize our intellectual property may decline because of the evolution of technology, selling price changes in products using licensed patents, or the difficulty of discovering infringements.

Third parties may claim we infringe their intellectual property rights. From time to time, others claim we infringe their intellectual property rights. The number of these claims may grow because of constant technological change in the markets in which we compete, the extensive patent coverage of existing technologies, the rapid rate of issuance of new patents, and our offering of first-party devices, such as Surface. To resolve these claims, we may enter into royalty and licensing agreements on terms that are less favorable than currently available, stop selling or redesign affected products or services, or pay damages to satisfy indemnification commitments with our customers. These outcomes may cause operating margins to decline. Besides money damages, in some jurisdictions plaintiffs can seek injunctive relief that may limit or prevent importing, marketing, and selling our products or services that have infringing technologies. In some countries, such as Germany, an injunction can be issued before the parties have fully litigated the validity of the underlying patents. We have paid significant amounts to settle claims related to the use of technology and intellectual property rights and to procure intellectual property rights as part of our strategy to manage this risk, and may continue to do so.

We may not be able to protect our source code from copying if there is an unauthorized disclosure of source code. Source code, the detailed program commands for our operating systems and other software programs, is critical to our business. Although we license portions of our application and operating system source code to several licensees, we take significant measures to protect the secrecy of large portions of our source code. If a significant portion of our source code leaks, we might lose future trade secret protection for that source code. It may become easier for third parties to compete with our products by copying functionality, which could adversely affect our revenue and operating margins. Unauthorized disclosure of source code also could increase the security risks described in the next paragraph.

We may not be able to protect information on our products and services from use by others. LinkedIn and other Microsoft products and services contain valuable information and content protected by contractual restrictions or technical measures. In certain cases, we have made commitments to our members and users to limit access to or use of this information. Changes in the law or interpretations of the law may weaken our ability to prevent third parties from scraping or gathering information or content through use of bots or other measures and using it for their own benefit, thus diminishing the value of our products and services.

Cyber-attacks and security vulnerabilities could lead to reduced revenue, increased costs, liability claims, or harm to our reputation or competitive position.

Security of Microsoft's information technology

Threats to IT security can take a variety of forms. Individual and groups of hackers and sophisticated organizations, including state-sponsored organizations or nation-states, continuously undertake attacks that pose threats to our customers and our IT. These actors may use a wide variety of methods, which may include developing and deploying malicious software or exploiting vulnerabilities in hardware, software, or other infrastructure in order to attack our products and services or gain access to our networks and datacenters, using social engineering techniques to induce our employees, users, partners, or customers to disclose passwords or other sensitive information or take other actions to gain access to our data or our users' or customers' data, or acting in a coordinated manner to launch distributed denial of service or other coordinated attacks. Cyber threats are constantly evolving, increasing the difficulty of detecting and successfully defending against them. Cyber threats can have cascading impacts that unfold with increasing speed across our internal networks and systems and those of our partners and customers. Breaches of our network or data security could disrupt the security of our systems and business applications, impair our ability to provide services to our customers and protect the privacy of their data, result in product development delays, compromise confidential or technical business information harming our reputation or competitive position, result in theft or misuse of our intellectual property or other assets, require us to allocate more resources to improved technologies, or otherwise adversely affect our business.

In addition, our internal IT environment continues to evolve. Often, we are early adopters of new devices and technologies. We embrace new ways of sharing data and communicating internally and with partners and customers using methods such as social networking and other consumer-oriented technologies. Our business policies and internal security controls may not keep pace with these changes as new threats emerge.

Security of our products, services, devices, and customers' data

The security of our products and services is important in our customers' decisions to purchase or use our products or services. Security threats are a challenge to companies like us whose business is technology products and services. Threats to our own IT infrastructure can also affect our customers. Customers using our cloud-based services rely on the security of our infrastructure, including hardware and other elements provided by third parties, to ensure the reliability of our services and the protection of their data. Hackers tend to focus their efforts on the most popular operating systems, programs, and services, including many of ours, and we expect that to continue. Hackers that acquire user account information at other companies can use that information to compromise our users' accounts where accounts share the same attributes like passwords.

To defend against security threats, both to our internal IT systems, our cloud-based services, and our customers' systems, we must continuously engineer more secure products and services, enhance security and reliability features, improve the deployment of software updates to address security vulnerabilities in our own products as well as those provided by others, develop mitigation technologies that help to secure customers from attacks even when software updates are not deployed, maintain the digital security infrastructure that protects the integrity of our network, products, and services, and provide customers security tools such as firewalls and anti-virus software and information about the need to deploy security measures and the impact of doing so.

The cost of these steps could reduce our operating margins. If we fail to do these things well, actual or perceived security vulnerabilities in our products and services, data corruption issues, or reduced performance could harm our reputation and lead customers to reduce or delay future purchases of products or subscriptions to services, or to use competing products or services. Customers may also spend more on protecting their existing computer systems from attack, which could delay adoption of additional products or services. Customers may fail to update their systems, continue to run software or operating systems we no longer support, or may fail timely to install or enable security patches. Any of these actions by customers could adversely affect our reputation and revenue. Actual or perceived vulnerabilities may lead to claims against us. Our license agreements typically contain provisions that eliminate or limit our exposure to liability, but there is no assurance these provisions will withstand legal challenges. At times, to achieve commercial objectives, we may enter into agreements with larger liability exposure to customers. Legislative or regulatory action in these areas may increase the costs to develop, implement, or secure our products and services.

As illustrated by the recent Spectre and Meltdown threats, our products operate in conjunction with and are dependent on products and components across a broad ecosystem. If there is a security vulnerability in one of these components, and if there is a security exploit targeting it, we could face increased costs, liability claims, reduced revenue, or harm to our reputation or competitive position.

Disclosure of personal data could result in liability and harm our reputation. As we continue to grow the number and scale of our cloud-based offerings, we store and process increasingly large amounts of personally identifiable information of our customers. The continued occurrence of high-profile data breaches provides evidence of an external environment increasingly hostile to information security. Despite our efforts to improve the security controls across our business groups and geographies, it is possible our security controls over personal data, our training of employees and vendors on data security, and other practices we follow may not prevent the improper disclosure of customer data we or our vendors store and manage. Improper disclosure could harm our reputation, lead to legal exposure to customers, or subject us to liability under laws that protect personal data, resulting in increased costs or loss of revenue. Our software products and services also enable our customers to store and process personal data on-premises or, increasingly, in a cloud-based environment we host. Government authorities can sometimes require us to produce customer data in response to valid legal orders. In the U.S. and elsewhere, we advocate for transparency concerning these requests and appropriate limitations on government authority to compel disclosure. Despite our efforts to protect customer data, perceptions that the collection, use, and retention of personal information is not satisfactorily protected could inhibit sales of our products or services, and could limit adoption of our cloud-based solutions by consumers, businesses, and government entities. Additional security measures we may take to address customer concerns, or constraints on our flexibility to determine where and how to operate datacenters in response to customer expectations or governmental rules or actions, may cause higher operating expenses.

Abuse of our advertising or social platforms may harm our reputation or user engagement. For LinkedIn, Bing Ads, and other products and services that provide content or host ads that come from or can be influenced by third parties, our reputation or user engagement may be negatively affected by activity that is hostile or inappropriate to other people, by users impersonating other people or organizations, by use of our products or services to disseminate information that may be viewed as misleading or intended to manipulate the opinions of our users, or by the use of our products or services that violates our terms of service or otherwise for objectionable or illegal ends. Preventing these actions may require us to make substantial investments in people and technology and these investments may not be successful, adversely affecting our business and financial results.

We may have outages, data losses, and disruptions of our online services if we fail to maintain an adequate operations infrastructure. Our increasing user traffic, growth in services, and the complexity of our products and services demand more computing power. We spend substantial amounts to build, purchase, or lease datacenters and equipment and to upgrade our technology and network infrastructure to handle more traffic on our websites and in our datacenters. These demands continue to increase as we introduce new products and services and support the growth of existing services such as Bing, Exchange Online, Microsoft Azure, Microsoft Account services, Office 365, OneDrive, SharePoint Online, Skype, Xbox Live, Outlook.com, and Windows Stores. We are rapidly growing our business of providing a platform and back-end hosting for services provided by third parties to their end users. Maintaining, securing, and expanding this infrastructure is expensive and complex. It requires that we maintain an Internet connectivity infrastructure that is robust and reliable within competitive and regulatory constraints that continue to evolve. Inefficiencies or operational failures, including temporary or permanent loss of customer data or insufficient Internet connectivity, could diminish the quality of our products, services, and user experience resulting in contractual liability, claims by customers and other third parties, regulatory actions, damage to our reputation, and loss of current and potential users, subscribers, and advertisers, each of which may harm our operating results and financial condition.

Government litigation and regulatory activity relating to competition rules may limit how we design and market our products. As a leading global software and device maker, government agencies closely scrutinize us under U.S. and foreign competition laws. An increasing number of governments are regulating competition law activities and this includes increased scrutiny in potentially large markets such as the European Union ("EU"), the U.S., and China. Some jurisdictions also allow competitors or consumers to assert claims of anti-competitive conduct. U.S. federal and state antitrust authorities have previously brought enforcement actions and continue to scrutinize our business.

The European Commission ("the Commission") closely scrutinizes the design of high-volume Microsoft products and the terms on which we make certain technologies used in these products, such as file formats, programming interfaces, and protocols, available to other companies. Flagship product releases such as Windows 10 can receive significant scrutiny under competition laws. For example, in 2004, the Commission ordered us to create new versions of our Windows operating system that do not include certain multimedia technologies and to provide our competitors with specifications for how to implement certain proprietary Windows communications protocols in their own products. In 2009, the Commission accepted a set of commitments offered by Microsoft to address the Commission's concerns relating to competition in web browsing software, including an undertaking to address Commission

concerns relating to interoperability. The web browsing commitments expired in 2014. The remaining obligations may limit our ability to innovate in Windows or other products in the future, diminish the developer appeal of the Windows platform, and increase our product development costs. The availability of licenses related to protocols and file formats may enable competitors to develop software products that better mimic the functionality of our products, which could hamper sales of our products.

Our portfolio of first-party devices continues to grow; at the same time our OEM partners offer a large variety of devices on our platforms. As a result, increasingly we both cooperate and compete with our OEM partners, creating a risk that we fail to do so in compliance with competition rules. Regulatory scrutiny in this area may increase. Certain foreign governments, particularly in China and other countries in Asia, have advanced arguments under their competition laws that exert downward pressure on royalties for our intellectual property. Because these jurisdictions only recently implemented competition laws, their enforcement activities are unpredictable.

Government regulatory actions and court decisions such as these may result in fines, or hinder our ability to provide the benefits of our software to consumers and businesses, reducing the attractiveness of our products and the revenue that come from them. New competition law actions could be initiated. The outcome of such actions, or steps taken to avoid them, could adversely affect us in a variety of ways, including:

- We may have to choose between withdrawing products from certain geographies to avoid fines or designing and developing alternative versions of those products to comply with government rulings, which may entail a delay in a product release and removing functionality that customers want or on which developers rely.
- We may be required to make available licenses to our proprietary technologies on terms that do not reflect their fair market value or do not protect our associated intellectual property.
- The rulings described above may be precedent in other competition law proceedings.
- We are subject to a variety of ongoing commitments because of court or administrative orders, consent decrees, or other voluntary actions we have taken. If we fail to comply with these commitments, we may incur litigation costs and be subject to substantial fines or other remedial actions.
- Our ability to realize anticipated Windows 10 post-sale monetization opportunities may be limited.

Our global operations subject us to potential liability under anti-corruption, trade protection, and other laws and regulations. The Foreign Corrupt Practices Act and other anti-corruption laws and regulations (“Anti-Corruption Laws”) prohibit corrupt payments by our employees, vendors, or agents. From time to time, we receive inquiries from authorities in the U.S. and elsewhere and reports from employees and others about our business activities outside the U.S. and our compliance with Anti-Corruption Laws. Specifically, we have been cooperating with authorities in the U.S. in connection with reports concerning our compliance with the Foreign Corrupt Practices Act in various countries. While we devote substantial resources to our global compliance programs and have implemented policies, training, and internal controls designed to reduce the risk of corrupt payments, our employees, vendors, or agents may violate our policies. Our failure to comply with Anti-Corruption Laws could result in significant fines and penalties, criminal sanctions against us, our officers, or our employees, prohibitions on the conduct of our business, and damage to our reputation. Operations outside the U.S. may be affected by changes in trade protection laws, policies, and measures, sanctions, and other regulatory requirements affecting trade and investment. We may be subject to legal liability and reputational damage if we sell goods or services in violation of U.S. trade sanctions on countries such as Iran, North Korea, Cuba, Sudan, and Syria.

Other regulatory areas that may apply to our products and online services offerings include user privacy, telecommunications, data storage and protection, and online content. For example, regulators may take the position that our offerings such as Skype are covered by laws regulating telecommunications services. Data protection authorities may assert that our collection, use, and management of customer data is inconsistent with their laws and regulations. Applying these laws and regulations to our business is often unclear, subject to change over time, and sometimes may conflict from jurisdiction to jurisdiction. Additionally, these laws and governments’ approach to their enforcement, and our products and services, are continuing to evolve. Compliance with these types of regulation may involve significant costs or require changes in products or business practices that result in reduced revenue. Noncompliance could result in the imposition of penalties or orders we stop the alleged noncompliant activity.

Laws and regulations relating to the handling of personal data may impede the adoption of our services or result in increased costs, legal claims, or fines against us. The growth of our Internet- and cloud-based services internationally relies increasingly on the movement of data across national boundaries. Legal requirements relating to the collection, storage, handling, and transfer of personal data continue to evolve. For example, the EU and the U.S. formally entered into a new framework in July 2016 that provides a mechanism for companies to transfer data from EU member states to the U.S. This framework, called the Privacy Shield, is intended to address shortcomings

identified by the European Court of Justice in a predecessor mechanism. The Privacy Shield and other mechanisms are currently subject to challenges in European courts, which may lead to uncertainty about the legal basis for data transfers across the Atlantic. In 2016, the EU adopted a new law governing data practices and privacy called the General Data Protection Regulation ("GDPR"), which becomes effective in May 2018. The law requires firms to meet new requirements regarding the handling of personal data. Engineering efforts to build new capabilities to facilitate compliance with the law may entail substantial expense and the diversion of engineering resources from other projects. If we are unable to engineer products that meet Microsoft's legal duties or help our customers meet their obligations under the GDPR or other data regulations, we might experience reduced demand for our offerings. Compliance with data regulations might limit our ability to innovate or offer certain features and functionality in some jurisdictions where we operate. Non-compliance with the GDPR may lead to regulatory enforcement actions, which can result in monetary penalties of up to 4% of worldwide revenue, or private lawsuits.

Ongoing legal reviews by regulators may result in burdensome or inconsistent requirements affecting the location and movement of our customer and internal employee data as well as the management of that data. Compliance may require changes in services, business practices, or internal systems that result in increased costs, lower revenue, reduced efficiency, or greater difficulty in competing with foreign-based firms. Failure to comply with existing or new rules may result in significant penalties or orders to stop the alleged noncompliant activity.

Our business depends on our ability to attract and retain talented employees. Our business is based on successfully attracting and retaining talented employees. The market for highly skilled workers and leaders in our industry is extremely competitive. We are limited in our ability to recruit internationally by restrictive domestic immigration laws. Changes to U.S. immigration policies that restrain the flow of technical and professional talent may inhibit our ability to adequately staff our research and development efforts. If we are less successful in our recruiting efforts, or if we cannot retain key employees, our ability to develop and deliver successful products and services may be adversely affected. Effective succession planning is also important to our long-term success. Failure to ensure effective transfer of knowledge and smooth transitions involving key employees could hinder our strategic planning and execution. How employment-related laws are interpreted and applied to our workforce practices may result in increased operating costs and less flexibility in how we meet our workforce needs.

We have claims and lawsuits against us that may result in adverse outcomes. We are subject to a variety of claims and lawsuits. These claims may arise from a wide variety of business practices and initiatives, including major new product releases such as Windows 10, significant business transactions, warranty or product claims, and employment practices. Adverse outcomes in some or all of these claims may result in significant monetary damages or injunctive relief that could adversely affect our ability to conduct our business. The litigation and other claims are subject to inherent uncertainties and management's view of these matters may change in the future. A material adverse impact on our consolidated financial statements could occur for the period in which the effect of an unfavorable outcome becomes probable and reasonably estimable.

We may have additional tax liabilities. We are subject to income taxes in the U.S. and many foreign jurisdictions. Significant judgment is required in determining our worldwide provision for income taxes. In the course of our business, there are many transactions and calculations where the ultimate tax determination is uncertain. For example, compliance with the 2017 United States Tax Cut and Jobs Act ("TCJA") may require the collection of information not regularly produced within the Company, the use of estimates in our financial statements, and the exercise of significant judgment in accounting for its provisions. As regulations and guidance evolve with respect to TCJA, and as we gather more information and perform more analysis, our results may differ from previous estimates and may materially affect our financial position.

We regularly are under audit by tax authorities in different jurisdictions. Economic and political pressures to increase tax revenue in various jurisdictions may make resolving tax disputes favorably more difficult. Although we believe our tax estimates are reasonable, the final determination of tax audits and any related litigation in the jurisdictions where we are subject to taxation could be materially different from our historical income tax provisions and accruals. The results of an audit or litigation could have a material effect on our consolidated financial statements in the period or periods in which that determination is made.

We earn a significant amount of our operating income outside the U.S.; a change in the mix of earnings and losses in countries with differing statutory tax rates, changes in our business or structure, or the expiration of or disputes about certain tax agreements in a particular country may result in higher effective tax rates for the Company. In addition, changes in U.S. federal and state or international tax laws applicable to corporate multinationals, other fundamental law changes currently being considered by many countries, including in the U.S., and changes in taxing jurisdictions' administrative interpretations, decisions, policies, and positions may materially adversely impact our tax expense and cash flows.

We may experience quality or supply problems. Our vertically-integrated hardware products such as Xbox consoles, Surface devices, and other devices we design, manufacture, and market are highly complex and can have defects in design, manufacture, or associated software. We could incur significant expenses, lost revenue, and reputational harm as a result of recalls, safety alerts, or product liability claims if we fail to prevent, detect, or address such issues through design, testing, or warranty repairs.

Our software products also may experience quality or reliability problems. The highly-sophisticated software products we develop may contain bugs and other defects that interfere with their intended operation. Any defects we do not detect and fix in pre-release testing could cause reduced sales and revenue, damage to our reputation, repair or remediation costs, delays in the release of new products or versions, or legal liability. Although our license agreements typically contain provisions that eliminate or limit our exposure to liability, there is no assurance these provisions will withstand legal challenge.

We acquire some device and datacenter components from sole suppliers. Our competitors use some of the same suppliers and their demand for hardware components can affect the capacity available to us. If a component from a sole-source supplier is delayed or becomes unavailable, whether because of supplier capacity constraint or industry shortages, we may not obtain timely replacement supplies, resulting in reduced sales or inadequate datacenter capacity. Component shortages, excess or obsolete inventory, or price reductions resulting in inventory adjustments may increase our cost of revenue. Xbox consoles, Surface devices, datacenter servers, and other hardware are assembled in Asia and other geographies that may be subject to disruptions in the supply chain, resulting in shortages that would affect our revenue and operating margins. These same risks would apply to any other vertically-integrated hardware and software products we may offer.

We strive to empower all people and organizations to achieve more, and accessibility of our products is an important aspect of this goal. There is increasing pressure from advocacy groups, regulators, competitors, and customers to make technology more accessible. If our products do not meet customer expectations or emerging global accessibility requirements, we could lose sales opportunities or face regulatory actions.

Our global business exposes us to operational and economic risks. Our customers are located in over 200 countries and a significant part of our revenue comes from international sales. The global nature of our business creates operational and economic risks. Emerging markets are a significant focus of our international growth strategy. The developing nature of these markets presents several risks, including deterioration of social, political, labor, or economic conditions in a country or region, and difficulties in staffing and managing foreign operations. Although we hedge a portion of our international currency exposure, significant fluctuations in foreign exchange rates between the U.S. dollar and foreign currencies may adversely affect our revenue. Competitive or regulatory pressure to make our pricing structure uniform might require that we reduce the sales price of our software in the U.S. and other countries.

Catastrophic events or geopolitical conditions may disrupt our business. A disruption or failure of our systems or operations because of a major earthquake, weather event, cyber-attack, terrorist attack, or other catastrophic event could cause delays in completing sales, providing services, or performing other critical functions. Our corporate headquarters, a significant portion of our research and development activities, and certain other essential business operations are in the Seattle, Washington area, and we have other business operations in the Silicon Valley area of California, both of which are seismically active regions. A catastrophic event that results in the destruction or disruption of any of our critical business or IT systems could harm our ability to conduct normal business operations. Providing our customers with more services and solutions in the cloud puts a premium on the resilience of our systems and strength of our business continuity management plans, and magnifies the potential impact of prolonged service outages on our operating results.

Abrupt political change, terrorist activity, and armed conflict pose a risk of general economic disruption in affected countries, which may increase our operating costs. These conditions also may add uncertainty to the timing and budget for technology investment decisions by our customers, and may cause supply chain disruptions for hardware manufacturers. Geopolitical change may result in changing regulatory requirements that could impact our operating strategies, access to global markets, hiring, and profitability. Geopolitical instability may lead to sanctions and impact our ability to do business in some markets or with some public-sector customers. Emerging nationalist trends in specific countries may significantly alter the trade environment. Changes to trade policy or agreements may result in higher tariffs, local sourcing initiatives, or other developments that make it more difficult to sell our products in foreign countries. Any of these changes may negatively impact our revenues.

The long-term effects of climate change on the global economy or the IT industry in particular are unclear. Environmental regulations or changes in the supply, demand or available sources of energy or other natural resources may affect the availability or cost of goods and services, including natural resources, necessary to run our business. Changes in weather where we operate may increase the costs of powering and cooling computer hardware we use to develop software and provide cloud-based services.

Adverse economic or market conditions may harm our business. Worsening economic conditions, including inflation, recession, or other changes in economic conditions, may cause lower IT spending and adversely affect our revenue. If demand for PCs, servers, and other computing devices declines, or consumer or business spending for those products declines, our revenue will be adversely affected. Substantial revenue comes from our U.S. government contracts. An extended federal government shutdown resulting from failing to pass budget appropriations, adopt continuing funding resolutions or raise the debt ceiling, and other budgetary decisions limiting or delaying federal government spending, could reduce government IT spending on our products and services and adversely affect our revenue.

Our product distribution system relies on an extensive partner and retail network. OEMs building devices that run our software have also been a significant means of distribution. The impact of economic conditions on our partners, such as the bankruptcy of a major distributor, OEM, or retailer, could cause sales channel disruption.

Challenging economic conditions also may impair the ability of our customers to pay for products and services they have purchased. As a result, allowances for doubtful accounts and write-offs of accounts receivable may increase.

We maintain an investment portfolio of various holdings, types, and maturities. These investments are subject to general credit, liquidity, market, and interest rate risks, which may be exacerbated by unusual events that affect global financial markets. A significant part of our investment portfolio comprises U.S. government securities. If global credit and equity markets decline for long periods, or if there is a downgrade of the U.S. government credit rating due to an actual or threatened default on government debt, our investment portfolio may be adversely affected and we could determine that more of our investments have experienced an other-than-temporary decline in fair value, requiring impairment charges that could adversely affect our financial results.

Changes in our sales organization may impact revenues. In July 2017, we announced plans to reorganize our global sales organization to help enable customers' digital transformation, add greater technical ability to our sales force, and create pooled resources that can be used across countries and industries. The reorganization is the most significant change in our global sales organization in Microsoft's history, involving employees changing roles, adding additional talent, realigning teams, and onboarding new partners. Successfully executing these changes will be a significant factor in enabling future revenue growth. As we navigate through this transition, sales, profitability, and cash flow could be adversely impacted.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS**DIVIDENDS AND SHARE REPURCHASES**

Refer to Note 17 – Stockholders' Equity of the Notes to Financial Statements (Part I, Item 1 of this Form 10-Q) for further discussion regarding dividends and share repurchases. Following are our monthly stock repurchases for the second quarter of fiscal year 2018:

Period	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Approximate Dollar Value of Shares that May Yet be Purchased under the Plans or Programs
				(in millions)
October 1, 2017 – October 31, 2017	9,042,700	\$ 77.84	9,042,700	\$ 34,496
November 1, 2017 – November 30, 2017	7,699,775	\$ 83.68	7,699,775	\$ 33,852
December 1, 2017 – December 31, 2017	5,329,011	\$ 84.78	5,329,011	\$ 33,400
	<u>22,071,486</u>		<u>22,071,486</u>	

All repurchases were made using cash resources. Our stock repurchases may occur through open market purchases or pursuant to a Rule 10b5-1 trading plan. The above table excludes shares repurchased to settle employee tax withholding related to the vesting of stock awards.

ITEM 5. OTHER INFORMATION

During the quarter ended December 31, 2017, Microsoft provided software services to a person or entity identified under section 560.304 of title 31, Code of Federal Regulations. The services constituted a cloud-based spam and malware filtering service and the cloud-based provision of Office 365 software services provided to two entities associated with the Iranian bank, Bank Sepah – Bank Sepah International PLC and Banque Sepah, respectively. For the former, an annual service fee equivalent to \$600 was charged for a one-year period beginning in February 2017, and for the latter, use rights were charged at a price equivalent to approximately \$55 per month from September 2016 through November 2017, totaling \$770. It is not possible to determine the precise profits, if any, attributable to these activities, though they are less than the associated revenues. Microsoft has ceased providing these software services to these entities and has no intention of doing so in the future.

ITEM 6. EXHIBITS

10.14*	Microsoft Corporation Deferred Compensation Plan for Non-Employee Directors (Amended and Restated Effective as of December 1, 2017)
10.26*	Microsoft Corporation 2017 Stock Plan (incorporated by reference to Annex C to the Microsoft Corporation Proxy Statement filed on October 16, 2017)
15.1	Letter regarding unaudited interim financial information
31.1	Certifications of Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
31.2	Certifications of Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
32.1**	Certification of Chief Executive Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
32.2**	Certification of Chief Financial Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Extension Schema
101.CAL	XBRL Taxonomy Extension Calculation Linkbase
101.DEF	XBRL Taxonomy Extension Definition Linkbase
101.LAB	XBRL Taxonomy Extension Label Linkbase
101.PRE	XBRL Taxonomy Extension Presentation Linkbase

* Indicates a management contract or compensatory plan or arrangement

** Furnished, not filed

Items 3 and 4 are not applicable and have been omitted.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

MICROSOFT CORPORATION

/s/ FRANK H. BROD

Frank H. Brod
Corporate Vice President, Finance and Administration;
Chief Accounting Officer (Duly Authorized Officer)

January 31, 2018

**MICROSOFT CORPORATION
DEFERRED COMPENSATION PLAN FOR
NON-EMPLOYEE DIRECTORS
(Amended and Restated Effective as of December 1, 2017)**

1. Purpose

The purpose of the Microsoft Corporation Deferred Compensation Plan for Non-Employee Directors (the "Plan") is to further the long-term growth of Microsoft Corporation (the "Company") by allowing the non-employee directors of the Company the opportunity to defer certain compensation, keeping their financial interests aligned with the Company, and providing them with a long-term incentive to continue providing services to the Company.

This Plan is intended to comply with section 409A of the Internal Revenue Code of 1986, as amended (the "Code") and official guidance issued thereunder. Notwithstanding any other provision of this Plan, this Plan shall be interpreted, operated and administered in a manner consistent with this intention.

2. Effective Date

The Plan is effective January 16, 2006. This restatement of the Plan is effective as of December 1, 2017.

3. Definitions

In addition to the terms defined above, the following terms shall have the meanings indicated below.

Account – means a bookkeeping account established by the Company for each Participant electing to defer Eligible Compensation under the Plan, which may include sub-accounts for amounts payable at different times and/or payable in different forms.

Affiliate – means any corporation or other entity that is treated as a single employer with the Company under Code section 414.

Board – means the Board of Directors of Microsoft Corporation.

Cash Retainer – means the amount of annual retainer payable in cash for service on the Board, including any annual retainer payable for service as a chair or member of any Board committee.

Common Stock – means the Common Stock, \$0.00000625 par value, of the Company.

Director – means a member of the Board who is not an officer or employee of the Company or any Affiliate.

Eligible Compensation – means both the Cash Retainer and Equity Retainer. For the avoidance of doubt, Eligible Compensation earned in a Plan Year refers to the Cash Retainer and Equity Retainer earned in the four quarterly cycles beginning in the applicable Plan Year measured from the date of the annual shareholders meeting in the immediately prior Plan Year.

Equity Retainer – means the amount of annual retainer payable in Common Stock for service on the Board, including any annual retainer payable for service as a chair or member of any Board committee.

New Director – means a Director who was not eligible to participate in the Plan (or any other plan sponsored by the Company or any Affiliate, which may be aggregated with the Plan under Code section 409A) prior to becoming a Director; provided, all Directors providing services to the Company as of the Effective Date shall be deemed to be New Directors for purposes of making an initial election pursuant to Section 5.1(b)(ii) with respect to Eligible Compensation earned in 2006.

Open Enrollment – means the period during each Plan Year when Directors may elect to make, terminate or change an initial election to defer amounts under the Plan. Open Enrollment shall normally be held during the month of December of each Plan Year.

Participant – means a Director who elects to defer Eligible Compensation under the Plan.

Plan Administrator – means the Compensation Committee of the Board, or its delegate or delegates appointed to administer the Plan.

Plan Year – means the 12-month period from January 1 to December 31.

Separation from Service or Separates from Service – means a "separation from service" with the Company and its Affiliates within the meaning of Code section 409A.

HR Officer – means the senior corporate officer in charge of the Human Resources department.

4. Participation

4.1 Any Director shall be eligible to participate in the Plan. A Director becomes a Participant in the Plan on the date he or she first enrolls in the Plan by electing to defer Eligible Compensation in accordance with Section 5.1(b).

4.2 A Director who has been a Participant under the Plan will cease to be a Participant on the date his or her Account is fully distributed.

5. Participant Accounts

5.1 Elections to Defer Eligible Compensation

(a) Initial Deferral Election. A Director may make an irrevocable election to defer the following types of Eligible Compensation in one (1) percent increments up to the specified maximum percentages:

(i) A Director may elect to defer up to 100% of his or her Cash Retainer.

(ii) A Director may elect to defer up to 100% of his or her Equity Retainer.

(b) Time and Manner of Making an Initial Election

(i) A Director may make an irrevocable election to defer one or more types of Eligible Compensation during the Open Enrollment period that occurs in the Plan Year preceding the Plan Year in which the Eligible Compensation is earned.

(ii) In addition to Open Enrollment elections under Section 5.1(b)(i), a New Director may make an irrevocable election to defer one or more types of Eligible Compensation, provided such election is made within thirty (30) days of becoming a New Director and such election shall only apply to amounts earned after the election is filed.

(iii) A deferral election shall be made in accordance with procedures established by the Plan Administrator.

(c) Evergreen Election. An initial deferral election shall be effective for succeeding Plan Years and shall become irrevocable on each December 31 with respect to Eligible Compensation earned in the immediately following Plan Year unless the Participant terminates or modifies such election. A Participant may terminate or modify an initial deferral election during the Open Enrollment period immediately prior to the applicable Plan Year. Any termination of, or modification to, an initial deferral election shall be made in accordance with procedures established by the Plan Administrator.

5.2 Crediting of Deferrals. Eligible Compensation deferred by a Participant under the Plan shall be credited to the Participant's Account as soon as practicable after the amounts would have otherwise been paid to the Participant. Amounts credited to a Participant's Account shall be deemed immediately invested in shares of Common Stock (calculated to one one-thousandth of a share). Any dividends which would have been received had such amount actually been invested in shares of Common Stock will also be credited to the Participant's Account and deemed immediately invested in additional shares of Common Stock (calculated to one one-thousandth of a share). Nothing in this Section or otherwise in the Plan, however, will require the Company to actually invest any amounts credited to a Participant's Account in shares of Common Stock or otherwise.

5.3 Vesting. A Participant shall at all times be one-hundred (100) percent vested in any amounts credited to his or her Account.

5.4 Adjustments upon Changes in Capitalization. If any change is made to the shares of Common Stock without the Company's receipt of consideration, appropriate adjustments shall be made to the number and/or class of securities credited to a Participant's Account under the Plan in the same manner and to the same extent that adjustments are made to the maximum number and/or class of securities issuable under the Company's 2017 Stock Plan.

6. Distribution of Account Balances

6.1 Distribution Form

(a) In the event a Participant elects to have the distribution of a deferred amount (and dividends thereon) commence thirty (30) days following the date of his or her Separation from Service pursuant to Section 6.2, the Participant may elect to have the deferred amount (and dividends thereon) distributed in a lump sum payment or in equal annual installments over a period of five (5) years. Such election must be made at the time of making the initial deferral election under Section 5.1.

(b) In the event a Participant fails to specify the form in which a deferred amount (and dividends thereon) will be distributed at the time of making an initial deferral election under Section 5.1, or if a Participant elects to receive a distribution other than pursuant to Section 6.2(a)(i), the Participant shall receive such deferred amount (and dividends thereon) in a lump sum payment.

(c) Distribution of a Participant's Account balance shall be made in Common Stock; provided, however, any fractional shares of Common Stock credited to the Account shall be paid in cash.

6.2 Distribution Time

(a) A Participant may elect to have the distribution of a deferred amount (and dividends thereon) commence thirty (30) days following: (i) the date of the Participant's Separation from Service; (ii) the first, second, third, fourth or fifth anniversary of the Participant's Separation from Service; or (iii) a specified date or, if earlier, the fifth anniversary of the Participant's Separation from Service (provided that the specified date must be at least twelve (12) months after the date on which the final payment of the deferred amount would have been made to the Participant absent deferral).

(b) A Participant must elect the date on which distributions will commence at the time of making the initial deferral election under Section 5.1. In the event a Participant fails to elect the date on which a distribution will commence at the time of making an initial deferral election under Section 5.1, or if a Participant specifies a date under Section 6.2(a)(iii) that is less than twelve (12) months after the date on which the final payment of the deferred amount would have been made to the Participant absent deferral, the Participant shall receive the distribution thirty (30) days following the date of the Participant's Separation from Service.

(c) Except as otherwise permitted under IRS guidance, if a distribution is to be made upon the Separation from Service of a Key Employee, distribution may not be made before the date which is six months after the date of the Key Employee's Separation from Service (or, if earlier, the date of death of the Key Employee). Any payments that would otherwise be made during this period of delay shall be paid in the seventh month following Separation from Service (or, if earlier, the month after the Key Employee's death). For this purpose, "Key Employee" means an individual treated as a "specified employee" under Code section 409A(a)(2)(B)(i) as of his or her Separation from Service (i.e., a key employee (as defined under Code section 416(i) without regard to paragraph (5) thereof) of a corporation any stock of which is publicly traded on an established securities market or otherwise). Key Employees shall be determined in accordance with Code section 409A, using a December 31 identification date. A listing of Key Employees as of an identification date shall be effective for the 12-month period beginning on the April 1 following the identification date.

(d) Notwithstanding Section 6.1 or 6.2 or any election to the contrary, for purposes of Eligible Compensation earned during each separate quarterly period beginning after 2014, if a Participant Separates from Service during a separate quarterly period, the distribution of any deferred amount (and dividends thereon) attributable to such period will be paid in a cash lump sum within 30 days following the last day of the quarterly period, subject to Section 6.2(c) and in accordance with Treasury Regulation §1.409A-3(c).

6.3 Distributions upon Death

(a) In the event a Participant dies prior to the distribution of his or her entire Account balance, the remaining Account balance shall be distributed to the Participant's beneficiary in accordance with Sections 6.1 and 6.2 above.

(b) A Participant shall designate his or her beneficiary prior to death in accordance with procedures established by the Plan Administrator. If a Participant has not properly designated a beneficiary, or if no designated beneficiary is living on the date of any distribution, such amount shall be distributed to the Participant's estate.

(c) For purposes of determining the proper death beneficiary under this Plan, this Plan shall not be interpreted as preempting applicable state law regarding the ownership rights of Accounts upon a Participant's death. For example, although this Plan states that upon a Participant's death, Account balances will be paid to his or her beneficiary, the personal representative will be obligated to pay any benefits owed to a spouse or otherwise as a result of any applicable community property laws.

7. Administration

The Plan Administrator shall be responsible for the operation and administration of the Plan and for carrying out the provisions hereof. The Plan Administrator shall have the full authority and discretion to make, amend, interpret, and enforce all appropriate rules and regulations for the administration of this Plan and decide or resolve any and all questions, including interpretations of this Plan, as may arise in connection with this Plan. Any such action taken by the Plan Administrator shall be final and conclusive on any party. To the extent the Plan Administrator has been granted discretionary authority under the Plan, the Plan Administrator's prior exercise of such authority shall not obligate it to exercise its authority in a like fashion thereafter. The Plan Administrator shall be entitled to rely conclusively upon all tables, valuations, certificates, opinions and reports furnished by any actuary, accountant, controller, counsel or other person employed or engaged by the Company with respect to the Plan. The Plan Administrator may, from time to time, employ agents and delegate to such agents, including the HR Officer or other employees of the Company, such administrative duties as it sees fit, and the HR Officer is expressly delegated the authority to take all actions necessary to implement the Plan in accordance with the terms approved by the Board and the Plan Administrator.

8. Amendment and Termination

8.1 Amendment or Termination. The Company reserves the right to amend or terminate the Plan when, in the sole discretion of the Company, such amendment or termination is advisable, pursuant to a resolution or other action taken by the Board or the Plan Administrator, provided that the Board or Plan Administrator may delegate the authority to amend the Plan to the HR Officer from time to time.

8.2 Effect of Amendment or Termination. No amendment or termination of the Plan shall decrease the amounts credited to a Participant's Account as of such amendment or termination. Upon termination of the Plan, Participants' Account balances shall be distributed in accordance with Sections 6.1 through 6.3, unless the Company determines in its sole discretion that all such amounts shall be distributed upon termination in accordance with the requirements under Code section 409A.

8.3 Constructive Receipt Termination. If amounts deferred under the Plan must be included in income under Code section 409A prior to the scheduled distribution of such amounts, distribution of such amount shall be made to Participants.

9. General Provisions

9.1 Rights Unsecured. The right of a Participant or his or her beneficiary to receive a distribution hereunder shall be an unsecured claim against the general assets of the Company, and neither the Participant nor his or her beneficiary shall have any rights in or against any amount credited to any Account or any other specific assets of the Company. The Plan at all times shall be considered entirely unfunded for tax purposes. Any funds set aside by the Company for the purpose of meeting its obligations under the Plan, including any amounts held by a trustee, shall continue for all purposes to be part of the general assets of the Company and shall be available to its general creditors in the event of the Company's bankruptcy or insolvency. The Company's obligation under this Plan shall be that of an unfunded and unsecured promise to pay money in the future.

9.2 Construction of Plan. Nothing in this Plan shall be construed to give any Director any right to receive Eligible Compensation or any other type of compensation. No Participant or beneficiary shall have any right to receive a distribution under the Plan except in accordance with the terms of the Plan. Establishment of the Plan shall not be construed to give any Participant the right to be retained as a member of the Board. Nothing contained in the Plan shall constitute a guarantee by the Company or any other person or entity that the assets of the Company will be sufficient to pay any benefits hereunder. In the event any provision of the Plan shall be held invalid or illegal for any reason, any illegality or invalidity shall not affect the remaining parts of the Plan, but the Plan shall be construed and enforced as if the illegal or invalid provision had never been inserted. Words in the masculine gender shall include the feminine and the singular shall include the plural, and vice versa, unless qualified by the context. Any headings used herein are included for ease of reference only, and are not to be construed so as to alter the terms hereof.

9.3 Nonalienation of Benefits. This Plan inures to the benefit of and is binding upon the parties hereto and their successors, heirs and assigns; provided, however, that the amounts credited to a Participant's Account are not,

except as provided in Section 9.4, subject in any manner to anticipation, alienation, sale, transfer, assignment, pledge, encumbrance, charge, garnishment, execution or levy of any kind, either voluntary or involuntary, and any attempt to anticipate, alienate, sell, transfer, assign, pledge, encumber, charge or otherwise dispose of any right to any benefits payable hereunder, will be null and void and not binding on the Plan or the Company.

9.4 Taxes. The Company or other payor may withhold from a benefit payment under the Plan or a Participant's Eligible Compensation any federal, state, or local taxes required by law to be withheld with respect to a payment or accrual under the Plan, and shall report such payments and other Plan-related information to the appropriate governmental agencies as required under applicable law.

9.5 Delivery of Shares. The obligation of the Company to issue shares of Common Stock under this Plan shall be subject to all applicable laws, rules and regulations, including all applicable federal and state securities laws, and the obtaining of all such approvals by governmental agencies as may be deemed necessary or appropriate by the Plan Administrator.

9.6 Participant's Cooperation. The Participant shall cooperate with the Company by furnishing any and all information requested by the Plan Administrator in order to facilitate the payment of benefits hereunder. If the Participant refuses to cooperate, the Company shall have no further obligation to the Participant under the Plan.

9.7 Incapacity of Recipient. If any person entitled to a distribution under the Plan is deemed by the Plan Administrator to be incapable of personally receiving and giving a valid receipt for such payment, then, unless and until a claim for such payment shall have been made by a duly appointed guardian or other legal representative of such person, the Plan Administrator may provide for such payment or any part thereof to be made to any other person or institution then contributing toward or providing for the care and maintenance of such person. Any such payment shall be a payment for the account of such person and a complete discharge of any liability of the Company and the Plan with respect to the payment.

9.8 Legally Binding. In the event of any consolidation, merger, acquisition or reorganization, the obligations of the Company under this Plan shall continue and be binding on the Company and its successors or assigns. The rights, privileges, benefits and obligations under the Plan are intended to be legal obligations of the Company and binding upon the Company, its successors and assigns.

9.9 Unclaimed Benefits. Each Participant shall keep the Plan Administrator informed of his or her current address and the current address of his or her designated beneficiary. The Plan Administrator shall not be obligated to search for the whereabouts of any person if the location of a person is not made known to the Plan Administrator.

9.10 Applicable Law and Venue. The Plan shall be governed by the laws of the State of Washington. In the event the Company or any Participant (or beneficiary) initiates litigation related to this Plan, the venue for such action will be in King County, Washington.

9.11 Waiver of Breach. The waiver by the Company of any breach of any provision of the Plan by a Participant shall not operate or be construed as a waiver of any subsequent breach by the Participant.

9.12 Notice. Any notice or filing required or permitted to be given to the Plan Administrator under the Plan shall be sufficient if in writing and hand-delivered, or sent by first class mail to the principal office of the Company, directed to the attention of the Plan Administrator. Such notice shall be deemed given as of the date of delivery, or, if delivery is made by mail, as of the date shown on the postmark.

9.13 Attorneys' Fees and Costs. In the event that a dispute regarding benefits arises between the Company or Plan Administrator and a Participant (or beneficiary) and such dispute is resolved through arbitration or litigation in court, the prevailing party(ies) shall be entitled to their reasonable attorneys' fees and costs incurred in such action.

Microsoft Corporation
One Microsoft Way
Redmond, Washington

We have reviewed, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the unaudited interim financial information of Microsoft Corporation and subsidiaries for the periods ended December 31, 2017, and 2016, and have issued our report dated January 31, 2018. As indicated in such report, because we did not perform an audit, we expressed no opinion on that information.

We are aware that our report referred to above, which is included in your Quarterly Report on Form 10-Q for the quarter ended December 31, 2017, is incorporated by reference in Registration Statement Nos. 333-109185, 333-118764, 333-52852, 333-132100, 333-161516, 333-75243, 333-185757, and 333-221833 on Form S-8 and Registration Statement No. 333-207652 on Form S-3.

We also are aware that the aforementioned report, pursuant to Rule 436(c) under the Securities Act of 1933, is not considered a part of the Registration Statement prepared or certified by an accountant or a report prepared or certified by an accountant within the meaning of Sections 7 and 11 of that Act.

/s/ DELOITTE & TOUCHE LLP

Seattle, Washington

January 31, 2018

CERTIFICATIONS

I, Satya Nadella, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Microsoft Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's Board of Directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ SATYA NADELLA

Satya Nadella
Chief Executive Officer

January 31, 2018

CERTIFICATIONS

I, Amy E. Hood, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Microsoft Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's Board of Directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ AMY E. HOOD

Amy E. Hood

Executive Vice President and Chief Financial Officer

January 31, 2018

**CERTIFICATIONS PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002
(18 U.S.C. SECTION 1350)**

In connection with the Quarterly Report of Microsoft Corporation, a Washington corporation (the "Company"), on Form 10-Q for the quarter ended December 31, 2017, as filed with the Securities and Exchange Commission (the "Report"), Satya Nadella, Chief Executive Officer of the Company, does hereby certify, pursuant to § 906 of the Sarbanes-Oxley Act of 2002 (18 U.S.C. § 1350), that to his knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ SATYA NADELLA
Satya Nadella
Chief Executive Officer

January 31, 2018

[A signed original of this written statement required by Section 906 has been provided to Microsoft Corporation and will be retained by Microsoft Corporation and furnished to the Securities and Exchange Commission or its staff upon request.]

**CERTIFICATIONS PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002
(18 U.S.C. SECTION 1350)**

In connection with the Quarterly Report of Microsoft Corporation, a Washington corporation (the "Company"), on Form 10-Q for the quarter ended December 31, 2017, as filed with the Securities and Exchange Commission (the "Report"), Amy E. Hood, Chief Financial Officer of the Company, does hereby certify, pursuant to § 906 of the Sarbanes-Oxley Act of 2002 (18 U.S.C. § 1350), that to her knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ AMY E. HOOD

Amy E. Hood
Executive Vice President and Chief Financial Officer

January 31, 2018

[A signed original of this written statement required by Section 906 has been provided to Microsoft Corporation and will be retained by Microsoft Corporation and furnished to the Securities and Exchange Commission or its staff upon request.]