



APPENDIX TABLE 6-11 

Value added of information services, by region, country, or economy: 2001–16

(Millions of current dollars)

Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
World	1,455,035	1,544,837	1,697,458	1,911,400	2,024,934	2,127,731	2,398,518	2,617,303	2,533,842	2,640,253	2,826,795	2,874,373	2,963,115	3,030,737	2,958,375	3,093,875
North America																
Canada	28,858	29,892	35,237	40,637	46,224	52,321	57,873	59,959	57,034	65,372	71,500	73,341	72,724	70,529	62,061	63,099
Mexico	15,526	15,789	15,091	17,366	20,917	24,034	28,406	29,361	25,359	28,167	28,110	26,674	28,043	27,487	22,843	23,047
United States	560,749	598,404	613,189	664,625	705,021	717,709	781,348	820,130	782,621	803,107	816,758	835,973	891,692	905,472	952,592	980,170
Central and South America																
Argentina	13,884	4,032	4,875	6,157	7,728	9,807	12,011	14,790	14,774	17,558	19,751	21,337	21,691	18,554	20,789	18,870
Bolivia	235	211	204	223	228	243	253	292	326	340	365	393	428	463	526	621
Brazil	22,026	18,643	19,958	25,771	34,669	41,254	53,045	63,173	61,497	71,896	81,904	76,016	73,039	71,651	56,447	57,177
Chile	1,840	1,651	1,706	2,070	2,445	2,917	3,317	3,554	3,539	4,323	4,924	5,007	5,202	4,665	4,336	4,481
Colombia	2,376	2,441	2,316	2,854	3,641	4,186	5,495	6,276	5,824	7,005	7,827	8,387	8,822	8,801	6,219	6,070
Costa Rica	351	400	445	503	562	687	800	927	949	1,256	1,491	1,853	2,003	1,877	2,099	2,280
Ecuador	593	696	829	941	1,151	1,152	1,241	1,425	1,554	1,682	1,812	1,914	2,012	2,174	2,046	2,026
Honduras	285	273	298	315	359	374	424	472	546	562	556	594	607	635	683	701
Panama	591	605	600	570	682	748	842	938	1,052	1,122	1,239	1,340	1,486	1,703	1,812	1,983
Peru	1,583	1,593	1,706	1,883	2,019	2,415	2,723	3,211	3,120	3,575	3,856	4,283	4,475	4,474	4,278	4,398



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Uruguay	976	624	517	561	722	817	949	1,227	1,273	1,646	1,901	2,047	2,305	2,298	2,179	2,254
Venezuela	4,429	3,367	2,894	3,278	4,034	5,803	7,987	10,540	13,235	8,483	10,518	13,045	12,167	9,833	16,347	3,086
Europe																
EU	384,120	430,143	510,443	592,956	604,840	635,092	730,448	781,078	718,202	695,359	735,267	700,346	729,433	754,756	666,415	680,029
Austria	6,427	7,297	8,763	9,421	9,837	10,141	11,179	12,214	11,331	11,008	11,510	10,581	11,248	11,570	9,835	10,097
Belgium	8,692	9,385	11,415	13,439	13,958	14,676	16,944	18,842	18,153	17,696	18,924	17,918	17,948	17,981	15,625	16,201
Bulgaria	473	622	787	1,016	960	1,092	1,395	2,659	2,416	2,379	2,680	2,383	2,700	2,738	2,253	2,378
Czech Republic	2,546	3,301	4,094	4,656	5,635	6,676	8,341	10,379	9,247	9,162	9,910	8,693	8,940	9,312	8,569	8,841
Denmark	5,815	6,387	8,217	9,092	9,136	9,830	11,074	12,652	12,381	12,078	12,838	11,921	12,646	12,936	11,871	13,064
Finland	5,871	6,537	7,689	9,277	8,448	8,576	10,234	11,465	10,689	10,328	11,279	11,225	12,073	12,754	11,339	11,838
France	60,769	68,292	83,477	96,493	97,509	102,736	115,956	127,012	117,605	114,615	119,728	112,008	113,832	109,967	94,420	96,494
Germany	74,797	80,433	87,007	101,053	99,066	104,743	118,883	127,705	129,697	119,229	123,693	120,418	129,999	137,375	117,323	122,131
Greece	4,878	5,678	6,807	8,243	8,636	9,779	11,331	11,797	11,907	10,175	8,836	7,090	6,814	6,661	5,439	5,404
Hungary	2,092	2,724	3,582	4,285	4,729	4,877	5,980	6,821	6,210	6,152	6,537	5,906	6,252	6,390	5,489	5,681
Ireland	7,000	7,324	9,511	11,776	12,719	12,899	15,549	18,601	17,671	18,868	21,973	22,711	25,928	26,711	23,158	26,180
Italy	46,505	54,225	64,883	73,077	74,607	75,484	85,385	91,839	86,562	83,052	84,063	75,087	76,144	76,498	62,083	62,578
Netherlands	17,497	19,884	25,218	27,983	29,047	30,714	35,859	38,601	34,772	33,549	35,249	32,996	34,811	35,778	31,338	31,767
Poland	6,656	7,774	8,521	10,580	11,771	12,624	15,242	19,539	15,904	16,470	17,507	16,881	18,118	18,889	15,680	15,878
Portugal	3,958	4,492	5,525	6,413	6,638	7,009	7,936	8,747	8,317	7,601	7,958	6,958	6,927	6,786	5,355	5,470



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Romania	1,880	2,059	2,543	3,210	3,937	5,019	8,588	10,494	7,675	7,358	7,750	6,849	9,462	10,158	9,997	10,982
Slovakia	758	856	1,172	1,495	1,698	2,017	2,846	3,533	3,820	3,639	3,938	4,007	3,792	3,982	3,541	3,641
Spain	25,613	29,917	38,188	44,208	47,143	50,215	58,281	64,498	62,030	57,516	59,205	53,912	53,146	53,584	45,903	48,827
Sweden	11,056	11,767	14,570	17,071	17,335	18,212	20,632	22,610	18,727	21,414	25,462	25,340	27,023	27,710	24,674	25,749
United Kingdom	90,838	101,188	118,472	140,170	142,030	147,772	168,811	161,069	133,087	133,070	146,228	147,460	151,630	166,975	162,523	156,830
Other Europe																
Norway	5,637	6,995	8,291	9,549	10,741	11,120	13,070	13,868	13,020	13,703	15,470	15,848	16,385	15,464	12,815	12,537
Russia	6,966	8,928	11,504	18,219	22,767	28,537	39,573	49,198	39,619	42,302	48,522	53,574	52,394	47,321	32,241	31,855
Switzerland	11,718	13,054	14,638	16,401	16,743	16,869	17,842	20,693	20,908	22,721	26,886	25,873	26,673	27,462	27,176	27,239
Turkey	4,443	5,389	6,795	8,582	11,418	11,872	15,231	16,978	14,592	16,089	15,257	15,957	16,334	15,080	13,762	14,205
Ukraine	1,217	1,421	1,732	2,154	2,633	3,253	4,340	5,326	3,832	4,160	4,818	5,428	6,052	4,430	3,101	3,224
Middle East																
Bahrain	399	434	456	507	567	663	757	889	940	1,087	1,111	1,215	1,276	1,378	1,351	1,394
Iran	1,649	2,094	2,614	3,037	3,791	4,754	6,341	7,899	8,416	9,320	10,706	8,224	6,060	7,115	6,777	7,480
Israel	9,642	9,077	8,212	8,915	11,225	10,858	13,550	18,527	17,372	18,233	19,250	21,310	22,223	24,749	24,204	26,079
Jordan	560	566	593	680	690	793	860	1,016	1,105	1,250	1,273	1,356	1,458	1,509	1,584	1,642
Kuwait	859	869	1,146	1,465	1,683	2,527	3,127	3,649	3,525	3,058	3,123	3,336	3,312	3,337	2,393	2,374
Oman	813	757	784	854	970	1,103	1,332	1,617	1,737	1,957	2,131	2,508	2,812	3,228	3,398	3,307
Qatar	145	160	157	280	378	686	978	1,409	1,665	1,721	2,025	2,098	2,235	2,507	2,675	2,807



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Saudi Arabia	4,485	4,641	4,785	5,491	6,072	6,789	8,152	10,286	12,207	13,772	15,145	16,735	18,511	19,972	18,889	17,633
United Arab Emirates	4,316	4,993	5,515	6,707	7,571	8,837	11,078	12,942	12,991	13,075	14,420	15,255	16,484	16,896	16,235	16,684
Africa																
Cameroon	304	346	249	277	298	305	358	417	419	437	482	472	540	601	537	597
Egypt	3,570	3,411	3,076	3,285	4,490	4,592	5,862	7,399	8,175	8,764	10,083	10,795	10,350	11,336	12,023	10,816
Ghana	217	252	312	363	442	527	547	588	466	581	655	865	793	843	856	957
Kenya	368	427	463	468	556	680	860	891	931	842	673	787	771	734	581	661
Morocco	1,575	1,718	1,846	2,192	2,432	2,633	3,314	3,541	3,794	3,715	3,866	3,855	4,036	4,255	3,867	3,948
Nigeria	2,326	3,266	4,371	7,350	10,486	15,634	21,466	30,450	36,276	39,622	42,020	46,748	53,844	61,276	55,992	48,085
Senegal	194	218	301	399	487	590	724	873	813	795	864	847	928	974	873	1,048
South Africa	4,334	3,854	6,434	8,185	9,076	8,890	8,834	7,599	7,595	9,671	10,542	11,270	10,305	9,811	8,713	8,218
Tunisia	1,209	1,247	1,469	1,735	1,875	1,982	2,261	2,681	2,808	3,046	3,042	2,994	2,929	3,010	2,679	2,640
Asia																
Bangladesh	968	1,056	1,175	1,283	1,399	1,823	2,136	2,447	2,896	3,351	3,553	3,740	4,503	5,112	5,783	6,696
China	43,851	49,740	56,176	67,110	77,711	91,510	111,896	141,264	151,480	170,816	204,232	241,077	281,107	321,794	375,526	443,791
India	19,814	19,921	24,098	30,150	35,574	39,265	49,870	56,158	60,373	68,829	74,350	77,162	88,137	95,832	98,154	109,793
Indonesia	2,736	4,767	6,174	7,988	9,417	12,176	15,138	17,803	20,402	28,167	32,109	33,181	32,620	31,124	30,397	33,867
Japan	217,126	214,354	232,342	247,569	238,335	230,127	230,826	264,188	279,882	295,948	324,155	325,768	270,130	251,951	230,222	256,534
Malaysia	4,005	4,478	4,962	5,344	6,088	7,419	8,187	9,023	9,685	12,267	13,945	15,107	16,217	17,220	14,510	15,169



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Pakistan	1,447	1,621	1,881	2,093	2,391	3,071	3,311	3,571	3,384	3,513	3,871	4,181	3,879	4,227	4,244	4,673
Philippines	2,361	2,726	2,934	3,257	3,708	4,210	5,072	5,614	4,977	5,639	6,076	6,872	7,215	7,378	7,760	8,044
Singapore	3,721	3,606	3,965	4,368	4,760	5,260	6,001	6,766	7,187	8,121	9,775	10,715	11,557	12,111	11,646	11,515
South Korea	21,932	25,878	28,011	29,529	35,402	39,768	42,182	35,994	32,284	36,694	41,559	42,546	41,764	44,487	39,046	38,624
Sri Lanka	69	74	86	94	114	137	170	219	235	280	342	357	450	474	570	597
Taiwan	11,917	11,659	12,008	12,555	13,101	13,123	13,600	14,416	13,730	14,706	15,670	15,602	15,701	15,724	15,248	15,626
Thailand	2,980	3,409	3,695	3,721	4,204	4,842	5,721	6,141	6,071	6,945	7,342	7,930	8,548	8,699	8,480	8,952
Vietnam	389	408	458	534	630	739	855	1,079	1,134	1,215	1,165	1,223	1,318	1,433	1,356	1,447
Australia and Oceania																
Australia	14,253	15,741	20,107	24,109	25,224	26,446	31,392	32,513	32,304	38,178	43,660	44,053	41,418	38,486	35,675	37,329
New Zealand	2,100	2,521	3,334	3,893	4,241	3,766	4,543	4,019	3,705	4,210	4,847	4,958	5,718	6,025	5,362	5,500

EU = European Union.

**Note(s)**

Value added is the amount contributed by a country, firm, or other entity to the value of a good or service and excludes purchases of domestic and imported materials and inputs. Data are not available for EU members Cyprus, Estonia, Latvia, Lithuania, Luxembourg, Malta, and Slovenia. China includes Hong Kong. Detail may not add to total because of rounding or minor discrepancies. See Appendix Table 6-1 for a full list of countries and economies in each region.

**Source(s)**

IHS Global Insight, World Industry Service database, accessed 17 July 2017.

*Science and Engineering Indicators 2018*