



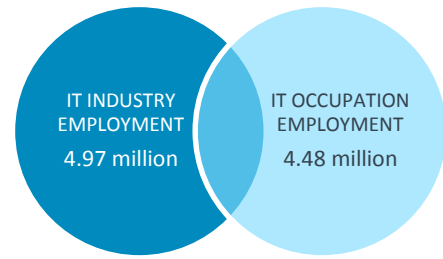
IT EMPLOYMENT MIDYEAR UPDATE

COMPTIA ANALYSIS OF IT INDUSTRY AND IT OCCUPATIONS EMPLOYMENT TRENDS

Published August 2015

KEY POINTS

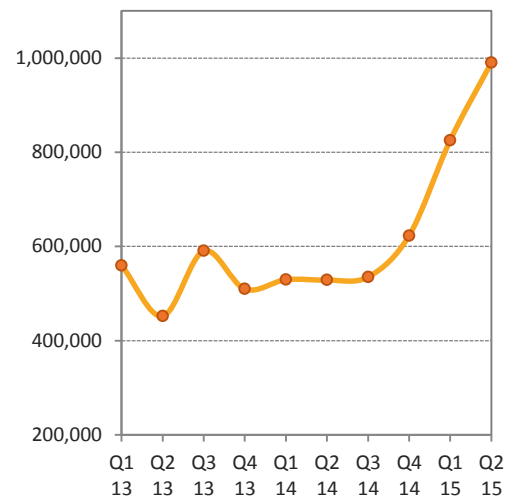
- ❖ At the midyear point, most facets of IT employment remain strong. IT industry companies, covering the full spectrum of hardware, software, services and telecom businesses, added 70,500 jobs during the first half of the year. Over the past 18 months, the industry generated job gains in 14 of those months, with April 2015 accounting for one of the largest gains.
- ❖ Reflecting the continued trend of ‘everything-as-a-service’ and ‘software-defined-everything’ the industry sectors of IT services and software saw the largest gains, growing 2.4 percent and 1.5 percent, respectively. Tech manufacturing generated growth of 0.9 percent during the first half of the year, which appears modest, but is the sector’s highest growth rate in years.
- ❖ The other side of the IT employment equation – IT occupations, also experienced a solid start to the year, adding 154,000 jobs. This positions span the range of occupations devoted to creating, integrating, supporting, and managing information technology, across every sector of the U.S. economy.
- ❖ After dipping below 2.0 percent in May, BLS data indicate the unemployment rate for IT occupations jumped above 3.0 in July. And yet, job postings for IT occupations are at record levels, pointing to strong demand for IT talent. This apparent disconnect serves as a cautionary reminder about the use of monthly data. Typically there will be greater volatility and a number of other limitations associated with BLS survey data. *See Methodology page for additional information and caveats.*



The IT industry is the largest employer of IT occupations.

Note: estimates based on June 2015 BLS data; industry employment covers firms with payroll only

JOB POSTINGS FOR IT OCCUPATIONS

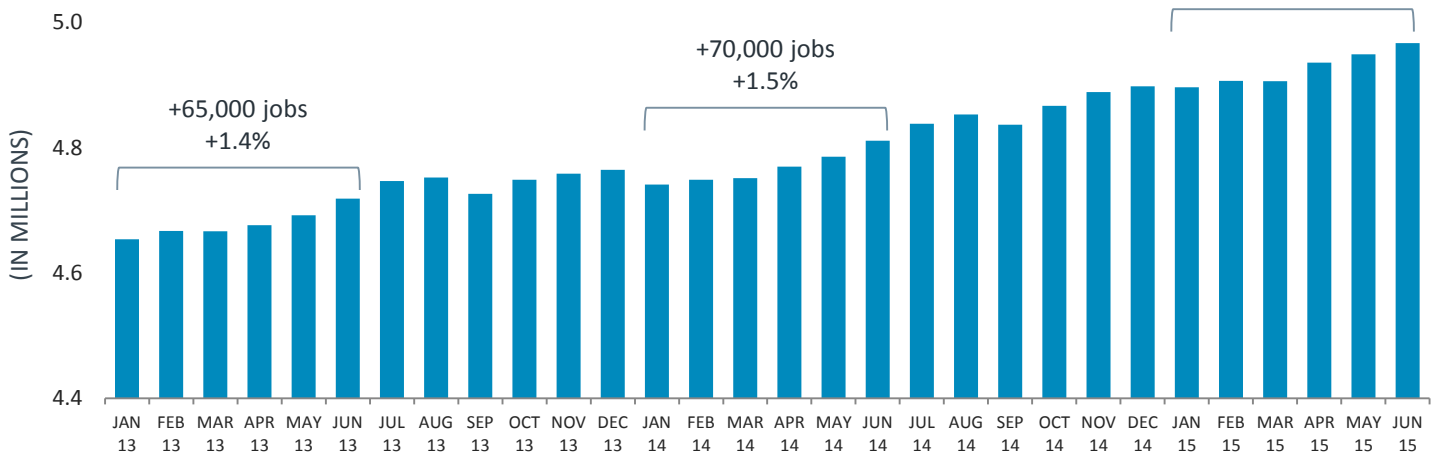


Source: Burning Glass Labor Insights

IT INDUSTRY EMPLOYMENT TRENDS

JANUARY 2013 – JUNE 2015

+313,200 jobs | +6.7%



Data covers employer firms only; the self-employed and those without payroll are not included

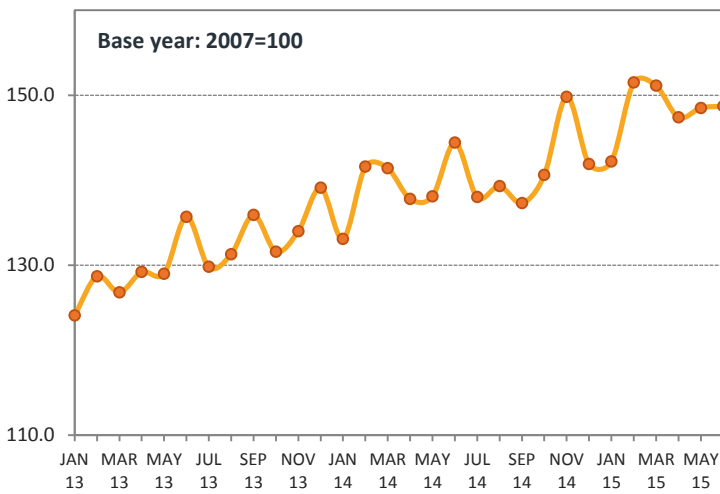
Source: U.S. Bureau of Labor Statistics Current Employment Statistics (CES) Survey

IT INDUSTRY SECTOR EMPLOYMENT	JAN 13	JUN 13	JAN 14	JUN 14	JAN 15	JUN 15
IT SERVICES	1,760,500	1,801,300	1,838,400	1,877,800	1,920,000	1,965,700
MANUFACTURING	1,032,000	1,034,200	1,011,200	1,013,500	1,015,000	1,023,800
SOFTWARE	293,100	301,100	304,300	312,000	317,300	322,200
TELECOMMUNICATION AND INTERNET SERVICES	1,250,000	1,264,100	1,273,300	1,292,000	1,325,500	1,336,900
DISTRIBUTION	318,200	318,100	314,300	316,200	318,700	318,400
TOTAL	4,653,800	4,718,800	4,741,500	4,811,500	4,896,500	4,967,000

PERCENT CHANGE VS PREVIOUS QUARTER	JAN 13	JUN 13	JAN 14	JUN 14	JAN 15	JUN 15
IT SERVICES	2.6%	2.3%	2.1%	2.1%	2.2%	2.4%
MANUFACTURING	-2.4%	0.2%	-2.2%	0.2%	0.1%	0.9%
SOFTWARE	2.2%	2.7%	1.1%	2.5%	1.7%	1.5%
TELECOMMUNICATION AND INTERNET SERVICES	1.3%	1.1%	0.7%	1.5%	2.6%	0.9%
DISTRIBUTION	0.0%	0.0%	-1.2%	0.6%	0.8%	-0.1%
TOTAL	0.9%	1.4%	0.5%	1.5%	1.8%	1.4%

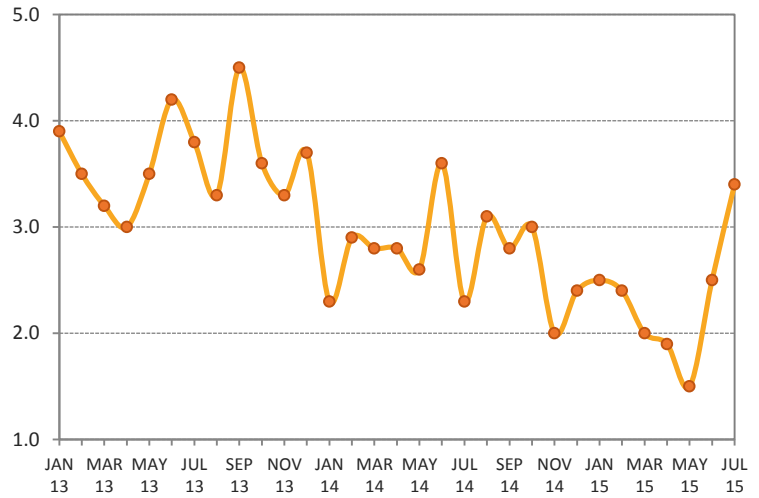
Source: U.S. Bureau of Labor Statistics Current Employment Statistics (CES) Survey

INDEX OF EARNINGS: IT SERVICES COMPANIES



Source: U.S. Bureau of Labor Statistics Current Population Survey (CPS)

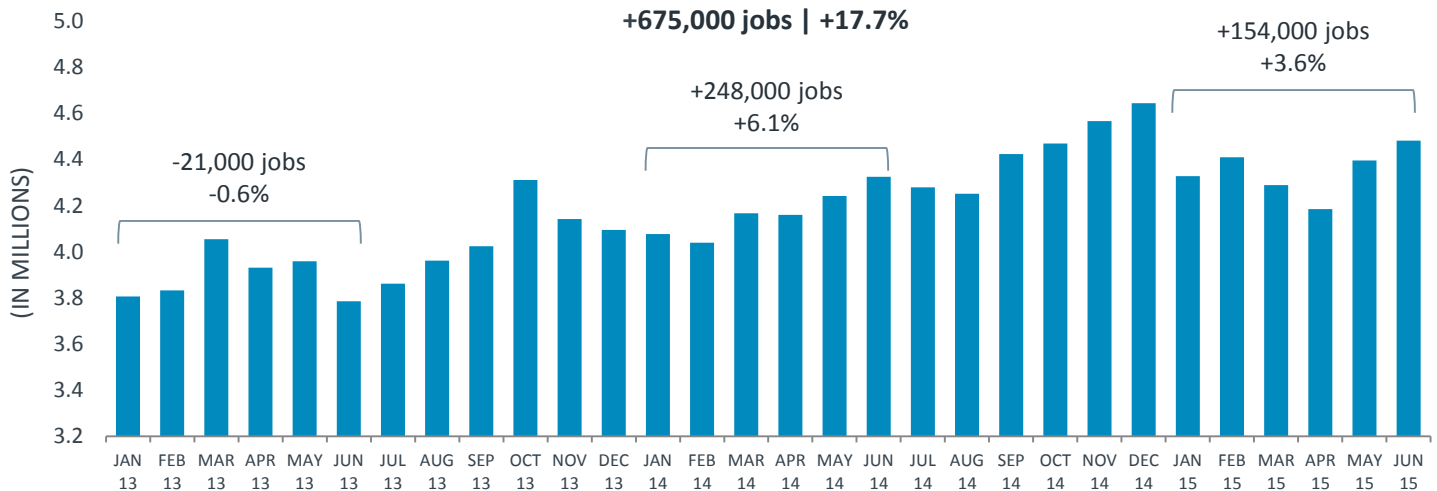
IT OCCUPATIONS UNEMPLOYMENT RATE



Source: U.S. Bureau of Labor Statistics Current Population Survey (CPS)

IT OCCUPATIONS EMPLOYMENT TRENDS

JANUARY 2013 – JUNE 2015

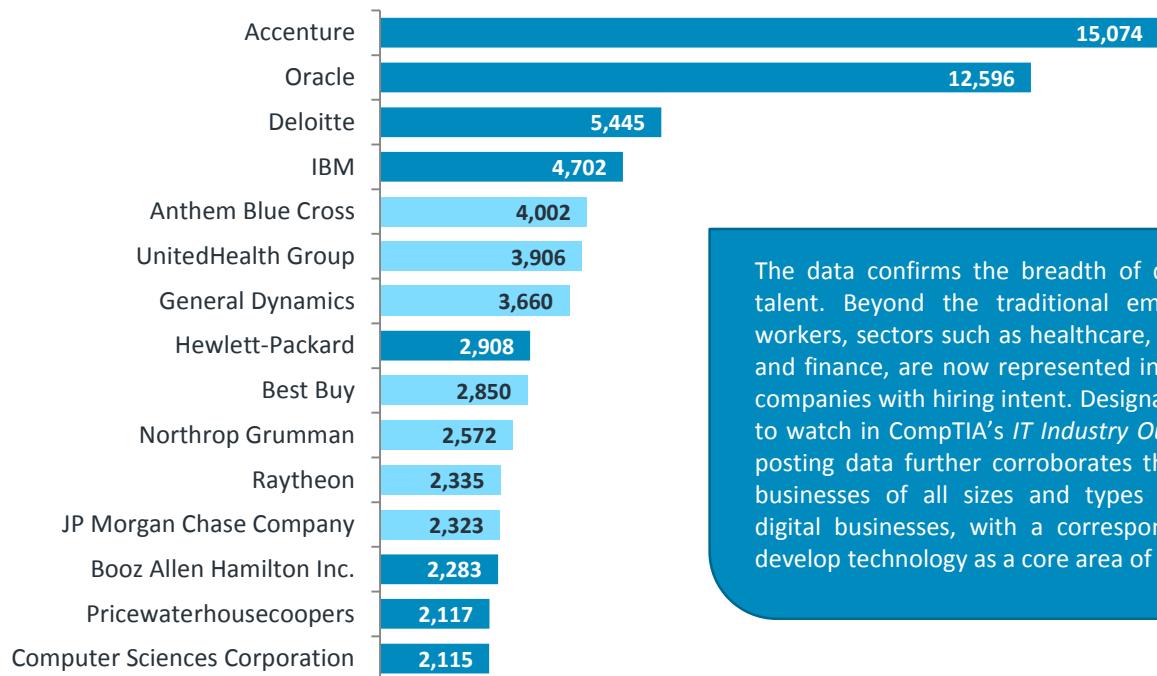


Source: U.S. Bureau of Labor Statistics Current Population Survey (CPS)

JOB POSTINGS FOR IT OCCUPATIONS	Q1 2014	Q2 2014	Q1 2015	Q2 2015	% Change Q1 '14 vs. Q1 '15	% Change Q2 '14 vs. Q2 '15
Software Developers, Applications	145,040	147,324	241,893	278,508	67%	89%
Computer Occupations, Other	136,954	135,291	209,109	243,754	53%	80%
Systems Analysts	47,886	48,770	71,450	86,131	49%	77%
Database Administrators	27,697	27,866	44,719	53,122	61%	91%
Web Developers	26,459	27,183	45,697	52,726	73%	94%
Network and Computer Systems Administrators	30,031	31,075	43,677	50,896	45%	64%
Computer User Support Specialists	30,798	28,221	39,464	46,186	28%	64%
Computer Programmers	23,602	22,654	32,995	39,128	40%	73%
Software Developers, Systems Software	18,020	18,493	28,172	34,422	56%	86%
Information Security Analysts	12,858	13,577	24,096	28,609	87%	111%
Network Architects	10,907	10,957	19,301	20,627	77%	88%
Computer and Information Systems Managers	9,980	8,758	12,906	15,515	29%	77%
Information Research Scientists	2,526	2,559	4,056	5,772	61%	126%
Network Support Specialists	3,300	2,969	4,110	5,008	25%	69%
Hardware Engineers	1,606	1,375	2,012	2,418	25%	76%
Computer, ATM, and Office Machine Repairers	1,728	1,483	1,530	2,000	-11%	35%
Total	529,392	528,555	825,187	964,822	56%	83%

Source: Burning Glass Labor Insights

COMPANIES WITH THE MOST JOB POSTINGS FOR IT OCCUPATIONS DURING Q2 2015



The data confirms the breadth of demand for IT talent. Beyond the traditional employers of IT workers, sectors such as healthcare, defense, retail and finance, are now represented in the top 20 of companies with hiring intent. Designated as a trend to watch in CompTIA's *IT Industry Outlook*, the job posting data further corroborates the notion that businesses of all sizes and types are becoming digital businesses, with a corresponding need to develop technology as a core area of expertise.

Source: Burning Glass Labor Insights

METHODOLOGY NOTES

The IT industry and IT occupations data found in this report stem from two primary Bureau of Labor Statistics data sets: 1). the Current Employment Statistics (CES) Survey, and the 2). Current Population Survey (CPS). These surveys are fielded monthly to samples of businesses and households. Monthly data provides timely insights, but the tradeoff often comes with higher levels of volatility and the limitations associated with self-reported survey data. In contrast, data from the BLS Quarterly Census of Employment and Wages is comprehensive and very robust, but there is a notable lag in the reporting of the data. To get a true sense of a trend, it's best to look quarterly or annual data. It should also be noted that the data in this research brief will not sync-up precisely with other CompTIA reports, such as the *IT Industry Outlook* or *Cyberstates*, which rely upon annual data.

Contact the CompTIA Research and Market Intelligence Department, research@comptia.org, with any questions.