

DFW HOLDS SECOND PLACE AS BUSIEST DATA CENTER MARKET IN THE NATION

Last year, DFW took second place as the busiest data center development market nationwide - with many of the first phases of projects being delivered on speculation as a sign of confidence in the demand in the market.



Eight metro areas where leasing a data center is relatively inexpensive: Atlanta, Colorado Springs, Dallas, Houston, Northern Virginia, Portland, Salt Lake City, and Seattle. Source: CBRE Data Center Solutions; CBRE Location Incentives; ASHRAE, Inc.

With Facebook's Fort Worth data presence alone contributing to an estimated \$6B in the nation's GDP, there seems to be no ceiling to data center demand. In all \$45B has been invested in the sector over the past

The Functions of Data Centers

Data centers are repositories that house computing facilities like servers, routers, switches and firewalls, as well as supporting components like backup equipment, fire suppression facilities and air conditioning. A data center may be complex (dedicated building) or simple (an area or room that houses only a few servers), and a data center may be private or shared.

Shared data centers are usually owned and maintained by one organization that leases center partitions (virtual or physical) to other client organizations. Often, client/leasing organizations are small companies without the financial and technical resources required for dedicated data center maintenance. The leasing option allows smaller organizations to obtain professional data center advantages without heavy capital expenditure.

The Data Center Infrastructure Management (DCIM) Market

The DCIM market is growing quickly and as of 2016, market penetration had reached 53 percent. Predictions are that the DCIM market will be worth more than \$2 billion by 2019.

A number of factors are driving DCIM. These include:

- An increased emphasis on energy efficiency and green IT measures such as :[Virtualization](#); [Cloud computing](#) and; [Consolidation](#)
- Increasing data center densities
- Increased reliance on critical IT systems

As businesses become more dependent on technology to deliver products and services, there is a greater emphasis on the entire technology management chain, including areas that have been relatively invisible in the past, notably the integrated management of the physical facilities, power and cooling elements of the data center throughout their entire life cycle.

The employment picture of data centers is often uncertain depending upon the size of company. While typical company headquarters can have between 200 and 1,000 jobs on site, the number of jobs at an average data center is usually capped at 30, according to a 2014 [report](#) from CBRE.

Data center staffing encompasses the three main groups that support the data center, Facility, IT, and Security Operations. Facility operations staff addresses management, building operations, and engineering and administrative support. Shift presence, maintenance, and vendor support are the areas that support the daily activities that can affect data center availability.

Data center personnel need to be technically qualified to perform their assigned activities. As the complexity of the data center increases, the qualification levels for the technicians also increase. They all need to have the required licenses or certifications for their trades and job description as well as the appropriate experience with data center operations.

Source: CBRA Data Center Solutions

TEXAS APRIL ECONOMIC NUMBERS

Industry	Apr 2018	Monthly Change	Annual Change	Annual % Change
Total Nonagricultural	12,507,500	39,600	332,300	2.7
Private	10,560,100	37,900	327,500	3.2
Goods-Producing	1,869,600	17,600	95,800	5.4
Mining & Logging	245,800	4,900	27,200	12.4
Construction	748,900	4,100	40,600	5.7
Manufacturing	874,900	8,600	28,000	3.3
Service-Providing	10,637,900	22,000	236,500	2.3
Trade, Transportation & Utilities	2,502,300	2,900	55,400	2.3
Information	198,800	-200	-3,800	-1.9
Financial Activities	768,400	-2,500	17,400	2.3
Professional & Business Services	1,735,600	7,500	78,200	4.7
Education & Health Services	1,692,900	6,200	28,900	1.7
Leisure & Hospitality	1,356,200	3,700	46,800	3.6
Other Services	436,300	2,700	8,800	2.1
Government	1,947,400	1,700	4,800	0.2

Source: Texas Workforce Commission Texas Labor Market Review. Information is the latest available at printing time. Seasonally adjusted.

APRIL 2018 EMPLOYMENT

Not Seasonally Adjusted	Civilian Labor Force	Employed	Unemployed	Rate
US	161,527,000	155,181,000	6,346,000	3.91%
TX	13,750,300	13,191,800	558,500	4.1%
D/FW Region	3,962,296	3,829,345	133,951	3%

Source: Texas Workforce Commission Texas Labor Market Review

U.S. ECONOMIC NUMBERS

Long Term Unemployed (27+ wks.) % of unemployed 23.1%	Apr '18	1,293,000
Consumer Price Index	Apr '18	+0.2%
Payroll Employment	Apr '18	+164,000 (p)
Average Hourly Earnings	Apr '18	+\$0.04 (p)
Producer Price Index	Apr '18	+0.1% (p)
Employment Cost Index	1st Qtr '18	+0.8%
Productivity	1st Qtr '18	+0.7%
U.S. Import Price Index	Apr '18	+0.3%
U.S. Export Price Index	Apr '18	+0.6%

(p) preliminary; (c) corrected - Source: U. S. Department of Labor. Information is the latest available at printing time.

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