

# Containerized Data Center Market by Container Types (20 ft 40 ft, customized), by Application (Greenfield, Brownfield, Upgrade and Consolidation), by Deployment size, by Vertical, and by Regions - Forecasts and Analysis (2014-2019)

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## Abstracts

Organizations requiring more data storage facility are looking for optimal solutions for increasing the current data center capacity or establishing the new data centers. Containerized data center offers a promising solution to this. It is available as complete plug and play solution with the entire data center components incorporated in it. It reduces the complexity of setting individual modules separately and integrating them to make complete solution. Standard sized container makes it easy to transport deploy and assemble on the required site, requiring less physical space than the traditional stick build model. Usage of advanced cooling and power technologies in it ensures optimum energy utilization and low Power Effective Usage (PUE), which dramatically reduces the operational cost. It saves organizations from the unnecessary capital expenditure and tunes their data center requirements according to the current business needs.

Containerized data center solutions find application in majority of industrial verticals including Banking, Financial services and Insurance (BFSI), telecom and Information Technology (IT), government and public, defense, energy, healthcare, and education. Containerized data center market can be segmented by type of containers, across various industry verticals and geographical regions.

**Containerized Data Centers solutions are poised for quick adoption across various verticals, few of them are:**

**Telecom and IT Industries:** telecom and IT industries are mostly the data driven industries, and storage of critical data is one of the prime factors for running these businesses smoothly. Containerized data centers help telecom and IT organizations in enhancing their data center capacity efficiently and can tackle the challenges of cloud computing and High Performance Computing (HPC) with optimized PUE and improved efficiency.

**Educational Institutions:** High technological adoption in teaching methodologies, digitization of manual records, and increasing usage of online communication in educational institutes is driving the amount of new data produced followed by the demand for its storage. Containerized data center comes as one of the most economical option for storing data and can be placed easily within limited campus space, providing low PUE and saving them from hassle of continuous maintenance.

**Government:** Increasing efforts of government for modernization, improving IT efficiency and easy information availability is pushing the demand of data centers. Containerized data centers promise high storage facilities with reduced capital and operational expenditure, and optimal utilization of energy.

MarketsandMarkets expects the government and public, healthcare, and education verticals to show tremendous growth throughout the forecast period. Major challenge faced by vendors in this market is low awareness of customers about the benefits of containerized solutions.

There are various assumptions that we have taken into consideration for market sizing and forecasting exercise. Few of global assumptions include political, economic, social and technological factors. For instance, exchange rates, one of the economic factors, are expected to have a moderate rating of impact on this market, therefore, dollar fluctuations are expected to not seriously affect the forecasts in the emerging Asia Pacific region.

**The report will help the market lenders/new entrants in this market in the following ways:**

1. This report segments the market by type of containers, applications, deployment size, industry verticals, and geographical regions, covering this market comprehensively. The report provides the closest approximation of the revenue numbers for the overall market

and the sub-segments. The market numbers are further split across the different verticals and regions.

2. This report will help them better understand the competitor and gain more insights to better position their business. There is a separate section on competitive landscape, including competitor ecosystem. Besides, there are company profiles of top players in this market. In this section, market internals are provided that can put them ahead of the competitors.

3. The report helps them understand the pulse of the market. The report provides information on key market drivers, restraints, challenges and opportunities.

## Contents

### 1 INTRODUCTION

- 1.1 Objectives of the Study
- 1.2 Report Description
- 1.3 Markets Covered
- 1.4 Stakeholders
- 1.5 Market Scope

### 2 RESEARCH METHODOLOGY

- 2.1 Market Size Estimation
- 2.2 Market Share Estimation
  - 2.2.1 Key Data Points Taken From Secondary Sources
  - 2.2.2 Key Data Points From Primary Sources
    - 2.2.2.1 Key Industry Insights
  - 2.2.3 Assumptions

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 Attractive Market Opportunities in Converged Infrastructure
- 4.2 Containerized Data Center, Market – Type of Containers
- 4.3 Market Across Various Regions
- 4.4 Converged Infrastructure Architecture Type Market Across Various Regions
- 4.5 Life Cycle Analysis, By Geography

### 5 MARKET OVERVIEW

- 5.1 Introduction
- 5.2 Evolution
- 5.3 Market Segmentation
  - 5.3.1 By Type of Container
  - 5.3.2 By Application
  - 5.3.3 By Deployment Size
  - 5.3.4 By Vertical
  - 5.3.5 By Region

## 5.4 Market Dynamics

### 5.4.1 Drivers

5.4.1.1 Need for Mobility

5.4.1.2 Need for Scalable Data Center Solutions

5.4.1.3 Lowering of Capex, Opex, Tco, and Deployment Time

5.4.1.4 Disaster Recovery

5.4.1.5 Lowering of PUE

### 5.4.2 Restraints

5.4.2.1 Vendor Lock-in

5.4.2.2 Lack of Knowledge

5.4.2.3 High-Performance Computing (HPC)

### 5.4.3 Opportunities

5.4.3.1 Educating Companies to Utilize Traditional Brick-and-Mortar Data Centers

5.4.3.2 Complete Alternative to Traditional Data Centers

5.4.3.3 Reduction in Data Center-Related Cost

5.4.3.4 Service-Level Agreement (SLA)

## 6 INDUSTRY TRENDS

6.1 Value Chain Analysis

6.2 Need for Containerized Data Center

## 7 MARKET, BY TYPE OF CONTAINER

7.1 Introduction

7.2 20 FT Container

7.2.1 Overview

7.2.2 Market Size and forecast

7.2.2.1 Market Size and forecast By Application

7.2.2.2 Market Size and forecast By Deployment Size

7.2.2.3 Market Size and forecast By Region

7.3 40 FT Container

7.3.1 Overview

7.3.2 Market Size and forecast

7.3.2.1 Market Size and forecast By Application

7.3.2.2 Market Size and forecast By Deployment Size

7.3.2.3 Market Size and forecast By Region

7.4 Customized Container

7.4.1 Overview

## 7.4.2 Market Size and forecast

### 7.4.2.1 Market Size and forecast By Application

### 7.4.2.2 Market Size and forecast By Deployment Size

### 7.4.2.3 Market Size and forecast By Region

## **8 CONTAINERIZED DATA CENTER: MARKET, BY APPLICATION**

### 8.1 Introduction

### 8.2 Greenfield

#### 8.2.1 Overview

#### 8.2.2 Market Size and forecast By Vertical

### 8.3 Brownfield

#### 8.3.1 Overview

#### 8.3.2 Market Size and forecast By Vertical

### 8.4 Upgrade and Consolidation

#### 8.4.1 Overview

#### 8.4.2 Market Size and forecast By Vertical

## **9 CONTAINERIZED DATA CENTER: MARKET, BY VERTICALS**

### 9.1 Introduction

### 9.2 Banking, Financial Services and Insurance

#### 9.2.1 Overview

#### 9.2.2 Market Size and forecast By Type of Container

### 9.3 Telecom and It

#### 9.3.1 Overview

#### 9.3.2 Market Size and forecast By Type of Container

### 9.4 Government and Public

#### 9.4.1 Overview

#### 9.4.2 Market Size and forecast By Type of Container

### 9.5 Defence

#### 9.5.1 Overview

#### 9.5.2 Market Size and forecast By Type of Container

### 9.6 Energy

#### 9.6.1 Overview

#### 9.6.2 Market Size and forecast By Type of Container

### 9.7 Healthcare

#### 9.7.1 Overview

#### 9.7.2 Market Size and forecast By Type of Container

## 9.8 Education

### 9.8.1 Overview

### 9.8.2 Market Size and forecast By Type of Container

## 9.9 Other Vertical

### 9.9.1 Overview

### 9.9.2 Market Size and forecast By Type of Container

## **10 CONTAINERIZED DATA CENTER: MARKET, BY DEPLOYMENT SIZE**

### 10.1 Introduction

### 10.2 Small Business

#### 10.2.1 Overview

#### 10.2.2 Market Size and forecast By Application

### 10.3 Midsize Business

#### 10.3.1 Overview

#### 10.3.2 Market Size and forecast By Application

### 10.4 Large Business

#### 10.4.1 Overview

#### 10.4.2 Market Size and forecast By Application

## **11 GEOGRAPHIC ANALYSIS**

### 11.1 Introduction

#### 11.1.1 Parfait Charts

### 11.2 North America

#### 11.2.1 Overview

#### 11.2.2 Market Size and forecast

##### 11.2.2.1 Market Size and forecast By Application

##### 11.2.2.2 Market Size and forecast By Deployment Size

### 11.3 Europe

#### 11.3.1 Overview

#### 11.3.2 Market Size and forecast

##### 11.3.2.1 Market Size and forecast By Application

##### 11.3.2.2 Market Size and forecast By Deployment Size

### 11.4 Asia Pacific

#### 11.4.1 Overview

#### 11.4.2 Market Size and forecast

##### 11.4.2.1 Market Size and forecast By Application

##### 11.4.2.2 Market Size and forecast By Deployment Size

## 11.5 Middle East and Africa

### 11.5.1 Overview

### 11.5.2 Market Size and forecast

#### 11.5.2.1 Market Size and forecast By Application

#### 11.5.2.2 Market Size and forecast By Deployment Size

## 11.6 Latin America

### 11.6.1 Overview

### 11.6.2 Market Size and forecast

#### 11.6.2.1 Market Size and forecast By Application

#### 11.6.2.2 Market Size and forecast By Deployment Size

## 12 COMPETITIVE LANDSCAPE

### 12.1 Overview

### 12.2 New Product Launches

## 13 COMPANY PROFILES

### 13.1 CISCO

#### 13.1.1 Business Overview

#### 13.1.2 Products and Services

#### 13.1.3 Key Strategy

#### 13.1.4 Recent Development

#### 13.1.5 SWOT

#### 13.1.6 MNM View

### 13.2 Dell

#### 13.2.1 Business Overview

#### 13.2.2 Products and Services

#### 13.2.3 Key Strategy

#### 13.2.4 Recent Development

#### 13.2.5 SWOT Analysis

#### 13.2.6 MNM View

### 13.3 Emerson Network Power

#### 13.3.1 Business Overview

#### 13.3.2 Products and Services

#### 13.3.3 Key Strategy

#### 13.3.4 Recent Development

#### 13.3.5 MNM View

### 13.4 HP



- 13.4.1 Business Overview
- 13.4.2 Products and Services
- 13.4.3 Key Strategy
- 13.4.4 Recent Development
- 13.4.5 SWOT
- 13.4.6 MNM View
- 13.5 Huawei
  - 13.5.1 Business Overview
  - 13.5.2 Products and Services
  - 13.5.3 Key Strategy
  - 13.5.4 Recent Development
  - 13.5.5 MNM View
- 13.6 IBM
  - 13.6.1 Business Overview
  - 13.6.2 Products and Services
  - 13.6.3 Key Strategy
  - 13.6.4 Recent Development
  - 13.6.5 SWOT
  - 13.6.6 MNM View
- 13.7 Johnson Controls
  - 13.7.1 Business Overview
  - 13.7.2 Products and Services
  - 13.7.3 Key Strategy
  - 13.7.4 Recent Development
  - 13.7.5 MNM View
- 13.8 Power Distribution Inc. (Pdi)
  - 13.8.1 Business Overview
  - 13.8.2 Products and Services
  - 13.8.3 Key Strategy
  - 13.8.4 Recent Development
  - 13.8.5 MNM View
- 13.9 Schneider Electric
  - 13.9.1 Business Overview
  - 13.9.2 Products and Services
  - 13.9.3 Key Strategy
  - 13.9.4 Recent Development
  - 13.9.5 SWOT
  - 13.9.6 MNM View
- 13.10 SGI

- 13.10.1 Business Overview
- 13.10.2 Products and Services
- 13.10.3 Key Strategy
- 13.10.4 Recent Development
- 13.10.5 MNM View

## **14 APPENDIX**

- 14.1 Discussion Guide
  - 14.1.1 Section 1 – General Awareness
  - 14.1.2 Section 2 – Types of Container
  - 14.1.3 Section 3 – Types of Application
  - 14.1.4 Section 4 – Deployment Size
  - 14.1.5 Section 5 – Verticals
  - 14.1.6 Section 6 – Regional Markets
  - 14.1.7 Section 7 – Company Outlook
- 14.2 Introducing Rt: Real Time Market Intelligence
- 14.3 Available Customizations
- 14.4 Related Reports

## List Of Tables

### LIST OF TABLES

- Table 1 Global Containerized Data Center Market: Assumptions
- Table 2 Market Size, 2014 – 2019 (\$Billion, Y-O-Y %)
- Table 3 Need for Mobility and Scalability is Driving the Demand of Containerized Data Center
- Table 4 Vendor Lock-in Presents A Critical Restraint in the Market
- Table 5 Increasing Incidence of Lifestyle Diseases is Propelling the Growth of Poc Diagnostics Market
- Table 6 Containerized Data Center, Market Size, By Type of Container, 2014 – 2019 (\$Billion)
- Table 7 Market, By Type of Container, 2014 – 2019, Y-O-Y (%)
- Table 8 20 FT Container Market Size, By Application, 2014 – 2019 (\$Million)
- Table 9 20 FT Container Market, By Application, 2014 – 2019, Y-O-Y (%)
- Table 10 20 FT Container Market Size, By Deployment Size, 2014 – 2019 (\$Million)
- Table 11 20 FT Container Market, By Deployment Size, 2014 – 2019, Y-O-Y (%)
- Table 12 20 FT Container Market Size, By Region, 2014 – 2019 (\$Million)
- Table 13 20 FT Container Market, By Region, 2014 – 2019, Y-O-Y (%)
- Table 14 40 FT Container Market Size, By Application, 2014 – 2019 (\$Million)
- Table 15 40 FT Container Market, By Application, 2014 – 2019, Y-O-Y (%)
- Table 16 40 FT Container Market Size, By Deployment Size, 2014 – 2019 (\$Million)
- Table 17 40 FT Container Market, By Deployment Size, 2014 – 2019, Y-O-Y (%)
- Table 18 40 FT Container Market Size, By Region, 2014 – 2019 (\$Million)
- Table 19 40 FT Container Market, By Region, 2014 – 2019, Y-O-Y (%)
- Table 20 Customized Container Market Size, By Application, 2014 – 2019 (\$Million)
- Table 21 Customized Container Market, By Application, 2014 – 2019, Y-O-Y (%)
- Table 22 Customized Container Market Size, By Deployment Size, 2014 – 2019 (\$Million)
- Table 23 Customized Container Market, By Deployment Size, 2014 – 2019, Y-O-Y (%)
- Table 24 Customized Container Market Size, By Region, 2014 – 2019 (\$Million)
- Table 25 Customized Container Market, By Region, 2014 – 2019, Y-O-Y (%)
- Table 26 Containerized Data Center, Market Size, By Application, 2014 – 2019 (\$Billion)
- Table 27 Market, By Application, 2014 – 2019, Y-O-Y (%)
- Table 28 Greenfield Market Size, By Vertical, 2014 – 2019 (\$Million)
- Table 29 Greenfield Market, By Vertical, 2014 – 2019, Y-O-Y (%)
- Table 30 Brownfield Market Size, By Vertical, 2014 – 2019 (\$Million)
- Table 31 Brownfield Market, By Vertical, 2014 – 2019, Y-O-Y (%)

Table 32 Upgrade and Consolidation Market Size, By Vertical, 2014 – 2019 (\$Million)

Table 33 Upgrade and Consolidation Market, By Vertical, 2014 – 2019, Y-O-Y (%)

Table 34 Market Size, By Vertical, 2014 – 2019 (\$Billion)

Table 35 Market, By Vertical, 2014 – 2019, Y-O-Y (%)

Table 36 BFSI Market Size, By Type of Container, 2014 – 2019 (\$Million)

Table 37 BFSI Market, By Type of Container, 2014 – 2019, Y-O-Y (%)

Table 38 Telecom and IT Market Size, By Type of Container, 2014 – 2019 (\$Million)

Table 39 Telecom and IT Market, By Type of Container, 2014 – 2019, Y-O-Y (%)

Table 40 Government and Public Market Size, By Type of Container, 2014 – 2019 (\$Million)

Table 41 Government and Public Market, By Type of Container, 2014 – 2019, Y-O-Y (%)

Table 42 Defence Market Size, By Type of Container, 2014 – 2019 (\$Million)

Table 43 Defence Market, By Type of Container, 2014 – 2019, Y-O-Y (%)

Table 44 Energy Market Size, By Type of Container, 2014 – 2019 (\$Million)

Table 45 Energy Market, By Type of Container, 2014 – 2019, Y-O-Y (%)

Table 46 Healthcare Market Size, By Type of Container, 2014 – 2019 (\$Million)

Table 47 Healthcare Market, By Type of Container, 2014 – 2019, Y-O-Y (%)

Table 48 Education Market Size, By Type of Container, 2014 – 2019 (\$Million)

Table 49 Education Market, By Type of Container, 2014 – 2019, Y-O-Y (%)

Table 50 Other Vertical Market Size, By Type of Container, 2014 – 2019 (\$Million)

Table 51 Other Vertical Market, By Type of Container, 2014 – 2019, Y-O-Y (%)

Table 52 Containerized Data Center, Market Size, By Deployment Size, 2014 – 2019 (\$Billion)

Table 53 Market, By Deployment Size, 2014 – 2019, Y-O-Y (%)

Table 54 Small Business Market Size, By Application, 2014 – 2019 (\$Million)

Table 55 Small Business Market, By Application, 2014 – 2019, Y-O-Y (%)

Table 56 Midsize Business Market Size, By Application, 2014 – 2019 (\$Million)

Table 57 Midsize Business Market, By Application, 2014 – 2019, Y-O-Y (%)

Table 58 Large Business Market Size, By Application, 2014 – 2019 (\$Million)

Table 59 Large Business Market, By Application, 2014 – 2019, Y-O-Y (%)

Table 60 Containerized Data Center, Market Size, By Region, 2014 – 2019 (\$Billion)

Table 61 Market, By Region, 2014 – 2019, Y-O-Y (%)

Table 62 North America Market Size, By Application, 2014 – 2019 (\$Million)

Table 63 North America Market, By Application, 2014 – 2019, Y-O-Y (%)

Table 64 North America Market Size, By Deployment Size, 2014 – 2019 (\$Million)

Table 65 North America Market, By Deployment Size, 2014 – 2019, Y-O-Y (%)

Table 66 Europe Market Size, By Application, 2014 – 2019 (\$Million)

Table 67 Europe Market, By Application, 2014 – 2019, Y-O-Y (%)

- Table 68 Europe Market Size, By Deployment Size, 2014 – 2019 (\$Million)
- Table 69 Europe Market, By Deployment Size, 2014 – 2019, Y-O-Y (%)
- Table 70 APAC Market Size, By Application, 2014 – 2019 (\$Million)
- Table 71 APAC Market, By Application, 2014 – 2019, Y-O-Y (%)
- Table 72 APAC Market Size, By Deployment Size, 2014 – 2019 (\$Million)
- Table 73 APAC Market, By Deployment Size, 2014 – 2019, Y-O-Y (%)
- Table 74 MEA Market Size, By Application, 2014 – 2019 (\$Million)
- Table 75 MEA Market, By Application, 2014 – 2019, Y-O-Y (%)
- Table 76 MEA Market Size, By Deployment Size, 2014 – 2019 (\$Million)
- Table 77 MEA Market, By Deployment Size, 2014 – 2019, Y-O-Y (%)
- Table 78 Latin America Market Size, By Application, 2014 – 2019 (\$Million)
- Table 79 Latin America Market, By Application, 2014 – 2019, Y-O-Y (%)
- Table 80 Latin America Market Size, By Deployment Size, 2014 – 2019 (\$Million)
- Table 81 Latin America Market, By Deployment Size, 2014 – 2019, Y-O-Y (%)
- Table 82 New Product Launches, 2011–2014

## About

For years, corporate data centers have been growing exponentially to fulfill the continuously surging demand of data storage. This exponential growth is forcing data center companies to continuously expand the capacity of their data centers. However, building a new data center for enhancing the existing capacity is not always a practical solution as it involves huge investment. So, numerous data center companies nowadays are showing an inclination toward the modular approach of data center capacity expansion.

Containerization of data centers is emerging as a modular solution to the issue of data center capacity expansion. It is a fully enclosed and integrated data center, which is placed in an enclosure and works on the plug and play principle. Containerized data center comes in the form of a box or container (ISO or non-ISO) in different sizes, such as, 10, 20, 40, and 53 ft or more, and contains all the basic functional data center modules including Information and Technology (IT)/data, power, cooling, and monitoring assembled and integrated inside it. Containerized data center is cost effective, energy efficient, and can be deployed in lesser duration of time, providing users the plug and play benefit. This gives them an edge over the traditional brick-and-mortar data centers.

In the present scenario, containerized data centers are experiencing significant adoption, and the market is experiencing escalating growth rate. This rate of adoption of containerized data centers is expected to grow at a rapid pace in the future as well. Major players in the containerized data center market are HP, IBM, Dell, Huawei, Schneider, Emerson Network Power, Cisco, and SGI. The research report on containerized data center discusses the strategies and insights of the key vendors in the industry, and provides an in-depth study of the driving forces and challenges for the containerized data center market.

The report also analyzes global adoption trends and future growth potentials across different regions.

Company profiles of major players in the ecosystem of containerized data center are also included in the report to provide insights of product offerings given by them to the customers. The forecast period for containerized data center is 2014-2019, taking 2014 as a base year throughout the research report.

MarketsandMarkets has segmented the global containerized data center market by type

of containers, deployment sizes, industry verticals, and regions. The report also consists of MarketsandMarkets' views of the key players and the analyst insights on various developments that are taking place in the containerized data center market.

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