

# Data Center Switch Market by Type (Core, Distribution, and Access), Technology (Ethernet, Fiber Channel, and InfiniBand), End User (Enterprise, Telecom, Government, and Cloud), Bandwidth, and Geography - Global Forecast to 2023

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# **Abstracts**

"Data center switch market is estimated to grow at a CAGR of 4.92% between 2018 and 2023"

The data center switch market has entered its growth phase and is expected to grow further in the coming years. The market for data center switches is likely to be valued at 13.91 billion in 2018 and USD 17.69 billion by 2023, at a CAGR of 4.92% between 2018 and 2023. The factors that drive the market growth include the need for simplified data center management and automation, high demand for cloud services, and surge in the internet multimedia content and web applications. However, the presence of self-reliant enhanced servers inhibits the growth of the data center switch market.

"Market for access switches expected to grow at the highest CAGR during the forecast period"

The highest growth of the market for access switches is due to a wide network connectivity offered by these switches to distribution layers as well as different end users. Access switches are not high-powered switches, but the number of switches required is high over a multi-layered network compared to core and distribution switches. Access switches need more number of ports to move the data from one network to another so that the load can be balanced. Thus, these switches ensure connectivity between servers and networks.



"Market for Ethernet switches likely to account for the largest share in 2017"

The growth of the Ethernet data center switch market is due to the high performance and scalability offered by Ethernet switches. The expansion of data centers and growth in virtualization technology propel the demand for switches with higher bandwidth. Ethernet is traditional and midrange technology and also offers a convenient solution to meet the increasing data center connectivity requirement.

"Market for data center switches with 40 Gbps bandwidth expected to grow at the highest CAGR during the forecast period"

40 Gbps switches are recently being commercialized. One of the major drivers for the growth of the market for switches having a bandwidth of 100 Gbps and above is the expansion of data centers owing to the growing internet multimedia content and web applications. Ethernet and InfiniBand technology-based switches currently have 100 Gbps bandwidth, and several companies are consistently enhancing their product portfolio and launching higher bandwidth switches.

"APAC is expected to be the fastest-growing market for data center switches during the forecast period"

The increasing government initiatives and investments from technologically developing countries in APAC, including India, Japan, China, Singapore, and Australia, are driving the establishment of data centers in the region. Also, the increasing number of small-and medium-scale enterprises and the adoption of digital technologies in them further drive the demand for data centers. Moreover, the increasing internet users in the region creates a massive amount of data that drives the demand for cloud-based services. All these parameters bring in the need for high performing switching solutions across the network infrastructure in data centers.

Breakdown of the profile of primary participants:

By Company: Tier 1 = 45 %, Tier 2 = 25%, and Tier 3 = 30%

By Designation: C-level Executives = 25%, Directors = 40%, and Others = 35%

By Region: North America = 42%, Europe = 17%, APAC = 33%, and RoW = 8%



Major players profiled in this report include:

Cisco (US) Arista Networks (US) Huawei (China) HPE (US) Juniper Networks (US) NEC (Japan Lenovo (China) Mellanox Technologies (US) Extreme Networks) (US) Fortinet (US) ZTE (China) D-Link (Taiwan) Silicom (Israel)

# Research Coverage

The study segments in the data center switch market report include type—core, distribution, and access; technology—Ethernet, Fibre Channel, and InfiniBand; and bandwidth—?1 Gbps, 1 Gbps to ?10 Gbps, 10 Gbps to ?40 Gbps, and 40 Gbps. The study also covers end-user industries and geographic forecast of the market size for various segments with regard to 4 main regions—North America, Europe, APAC, and RoW.

#### Reasons to buy the report



The report would help the market leaders/new entrants in this market in the following ways:

- 1. This report segments the data center switch market comprehensively and provides the closest approximations of the overall market size and those of the subsegments across different applications and regions.
- 2. The report gives the detailed analysis of the data center switch market with the help of competitive landscape and value chain analysis, including the key companies in the market and their relations in the ecosystem.
- 3. The report helps stakeholders understand the pulse of the market and provides them the information on key drivers, restraints, challenges, and opportunities pertaining to the data center switch market.



# **Contents**

#### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 DEFINITION
- 1.3 STUDY SCOPE
  - 1.3.1 MARKETS COVERED
  - 1.3.2 GEOGRAPHIC SCOPE
  - 1.3.3 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

#### **2 RESEARCH METHODOLOGY**

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Primary sources
    - 2.1.2.2 Key industry insights
    - 2.1.2.3 Breakdown of primary interviews
  - 2.1.3 SECONDARY AND PRIMARY RESEARCH
- 2.2 MARKET SIZE ESTIMATION
  - 2.2.1 BOTTOM-UP APPROACH
  - 2.2.2 TOP-DOWN APPROACH
- 2.3 DATA TRIANGULATION
- 2.4 ASSUMPTIONS

#### **3 EXECUTIVE SUMMARY**

#### **4 PREMIUM INSIGHTS**

- 4.1 OPPORTUNITIES IN THE DATA CENTER SWITCH MARKET
- 4.2 ETHERNET DATA CENTER SWITCH MARKET, BY BANDWIDTH
- 4.3 DATA CENTER SWITCH MARKET IN APAC, BY END USER
- 4.4 GEOGRAPHIC SNAPSHOT OF THE DATA CENTER SWITCH MARKET
- 4.5 DATA CENTER SWITCH MARKET IN APAC, BY COUNTRY



# **5 MARKET OVERVIEW**

- 5.1 INTRODUCTION
- 5.2 MARKET DYNAMICS
  - 5.2.1 DRIVERS
    - 5.2.1.1 Need for simplified data center management and automation
    - 5.2.1.2 High demand for cloud services
    - 5.2.1.3 Surge in internet multimedia content and web applications
  - 5.2.2 RESTRAINTS
    - 5.2.2.1 Presence of self-reliant enhanced servers
  - 5.2.3 OPPORTUNITIES
    - 5.2.3.1 Rising trend of bare-metal switches
  - 5.2.3.2 Growing bandwidth requirements in data centers
  - 5.2.4 CHALLENGES
    - 5.2.4.1 Creating compatibility with different data center architectures
- 5.3 VALUE CHAIN ANALYSIS

# **6 DATA CENTER SWITCH MARKET, BY TYPE**

- 6.1 INTRODUCTION
- **6.2 CORE SWITCHES**
- 6.3 DISTRIBUTION SWITCHES
- 6.4 ACCESS SWITCHES

# 7 DATA CENTER SWITCH MARKET, BY TECHNOLOGY

- 7.1 INTRODUCTION
- 7.2 ETHERNET
- 7.3 FIBRE CHANNEL
- 7.4 INFINIBAND

#### 8 DATA CENTER SWITCH MARKET, BY BANDWIDTH

- 8.1 INTRODUCTION
- 8.2 ?1 GBPS
- 8.3 1GBPS TO ?10GBPS
- 8.4 10 GBPS TO ?40 GBPS
- 8.5 40 GBPS



# 9 DATA CENTER SWITCH MARKET, BY END USER

- 9.1 INTRODUCTION
- 9.2 ENTERPRISES
- 9.3 TELECOMMUNICATION INDUSTRY
- 9.4 GOVERNMENT ORGANIZATIONS
- 9.5 CLOUD SERVICE PROVIDERS

#### 10 GEOGRAPHIC ANALYSIS

- 10.1 INTRODUCTION
- 10.2 NORTH AMERICA
  - 10.2.1 US
  - 10.2.2 CANADA
  - 10.2.3 MEXICO
- 10.3 EUROPE
  - 10.3.1 UK
  - **10.3.2 GERMANY**
  - **10.3.3 FRANCE**
  - 10.3.4 REST OF EUROPE
- 10.4 ASIA PACIFIC (APAC)
  - 10.4.1 CHINA
  - 10.4.2 JAPAN
  - 10.4.3 INDIA
  - 10.4.4 SINGAPORE
  - 10.4.5 AUSTRALIA
  - 10.4.6 REST OF ASIA PACIFIC
- 10.5 ROW
  - 10.5.1 MIDDLE EAST AND AFRICA
  - 10.5.2 SOUTH AMERICA

#### 11 COMPETITIVE LANDSCAPE

- 11.1 OVERVIEW
- 11.2 MARKET SHARE ANALYSIS, 2017
- 11.3 COMPETITIVE SCENARIO
- 11.3.1 PRODUCT DEVELOPMENTS AND LAUNCHES
- 11.3.2 PARTNERSHIPS, AGREEMENTS, AND COLLABORATIONS



#### 11.3.3 ACQUISITIONS

#### 11.3.4 INVESTMENTS AND EXPANSIONS

#### 12 COMPANY PROFILES

(Business overview, Products offered, Recent developments, MNM view, SWOT analysis)\*

- **12.1 CISCO**
- **12.2 HUAWEI**
- 12.3 HPE
- 12.4 ARISTA NETWORKS
- 12.5 JUNIPER NETWORKS
- 12.6 NEC
- 12.7 LENOVO
- 12.8 MELLANOX TECHNOLOGIES
- 12.9 EXTREME NETWORKS
- 12.10 FORTINET
- 12.11 ZTE
- 12.12 D-LINK
- **12.13 SILICOM**
- 12.14 QUANTA CLOUD TECHNOLOGY (QCT)
- 12.15 DELL

#### 12.16 OTHER KEY COMPANIES

- 12.16.1 BAY MICROSYSTEM
- 12.16.2 CUMULUS NETWORKS
- 12.16.3 EDGECORE NETWORKS
- 12.16.4 CENTEC NETWORKS
- 12.16.5 H3C TECHNOLOGIES

### **13 APPENDIX**

- 13.1 INSIGHTS OF INDUSTRY EXPERTS
- 13.2 DISCUSSION GUIDE
- 13.3 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

<sup>\*</sup>Business overview, Products offered, Recent developments, MNM view, SWOT analysis might not be captured in case of unlisted companies.



13.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

13.5 AVAILABLE CUSTOMIZATIONS

13.6 RELATED REPORTS

13.7 AUTHOR DETAILS



# **List Of Tables**

#### LIST OF TABLES

Table 1 DATA CENTER SWITCH MARKET, BY TYPE, 2015–2023 (USD BILLION)
Table 2 CORE DATA CENTER SWITCH MARKET, BY BANDWIDTH, 2015–2023 (USD MILLION)

Table 3 CORE DATA CENTER SWITCH MARKET, BY END USER, 2015–2023 (USD MILLION)

Table 4 DISTRIBUTION DATA CENTER SWITCH MARKET, BY BANDWIDTH, 2015–2023 (USD MILLION)

Table 5 DISTRIBUTION DATA CENTER SWITCH MARKET, BY END USER, 2015–2023 (USD MILLION)

Table 6 ACCESS DATA CENTER SWITCH MARKET, BY BANDWIDTH, 2015–2023 (USD MILLION)

Table 7 ACCESS DATA CENTER SWITCH MARKET, BY END USER, 2015–2023 (USD MILLION)

Table 8 DATA CENTER SWITCH MARKET, BY TECHNOLOGY, 2015–2023 (USD BILLION)

Table 9 COMPARISON OF TECHNOLOGIES

Table 10 ETHERNET DATA CENTER SWITCH MARKET, BY BANDWIDTH, 2015–2023 (USD MILLION))

Table 11 FIBRE CHANNEL DATA CENTER SWITCH MARKET, BY BANDWIDTH, 2015–2023 (USD MILLION)

Table 12 INFINIBAND DATA CENTER SWITCH MARKET, BY BANDWIDTH, 2015–2023 (USD MILLION)

Table 13 DATA CENTER SWITCH MARKET, BY BANDWIDTH, 2015–2023 (USD BILLION)

Table 14 DATA CENTER SWITCH MARKET, BY BANDWIDTH, 2015–2023 (PORTS IN MILLION UNITS)

Table 15 ?1 GBPS DATA CENTER SWITCH MARKET, BY TYPE, 2015–2023 (USD MILLION)

Table 16 1 GBPS TO ?10 GBPS DATA CENTER SWITCH MARKET, BY TECHNOLOGY, 2015–2023 (USD MILLION)

Table 17 1 GBPS TO ?10 GBPS DATA CENTER SWITCH MARKET, BY TYPE, 2015–2023 (USD MILLION)

Table 18 10 GBPS TO ?40 GBPS DATA CENTER SWITCH MARKET, BY TECHNOLOGY, 2015–2023 (USD MILLION)

Table 19 10 GBPS TO ?40 GBPS DATA CENTER SWITCH MARKET, BY TYPE,



2015-2023 (USD MILLION)

Table 20 40 GBPS DATA CENTER SWITCH MARKET, BY TECHNOLOGY, 2015–2023 (USD MILLION)

Table 21 40 GBPS DATA CENTER SWITCH MARKET, BY TYPE, 2015–2023 (USD MILLION)

Table 22 DATA CENTER SWITCH MARKET, BY END USER, 2015–2023 (USD BILLION)

Table 23 DATA CENTER SWITCH MARKET FOR ENTERPRISES, BY TYPE, 2015–2023 (USD MILLION)

Table 24 DATA CENTER SWITCH MARKET FOR ENTERPRISES, BY REGION, 2015–2023 (USD MILLION)

Table 25 DATA CENTER SWITCH MARKET IN NORTH AMERICA FOR ENTERPRISES, BY COUNTRY, 2015–2023 (USD MILLION)

Table 26 DATA CENTER SWITCH MARKET IN EUROPE FOR ENTERPRISES, BY COUNTRY, 2015–2023 (USD MILLION)

Table 27 DATA CENTER SWITCH MARKET IN APAC FOR ENTERPRISES, BY COUNTRY, 2015–2023 (USD MILLION)

Table 28 DATA CENTER SWITCH MARKET IN ROW FOR ENTERPRISES, BY REGION, 2015–2023 (USD MILLION)

Table 29 DATA CENTER SWITCH MARKET FOR TELECOMMUNICATIONS INDUSTRY, BY TYPE, 2015–2023 (USD MILLION)

Table 30 DATA CENTER SWITCH MARKET FOR TELECOMMUNICATIONS INDUSTRY, BY REGION, 2015–2023 (USD MILLION)

Table 31 DATA CENTER SWITCH MARKET IN NORTH AMERICA FOR TELECOMMUNICATIONS INDUSTRY, BY COUNTRY, 2015–2023 (USD MILLION)

Table 32 DATA CENTER SWITCH MARKET IN EUROPE FOR

TELECOMMUNICATIONS INDUSTRY, BY COUNTRY, 2015–2023 (USD MILLION)
Table 33 DATA CENTER SWITCH MARKET IN APAC FOR TELECOMMUNICATIONS
INDUSTRY, BY COUNTRY, 2015–2023 (USD MILLION)

Table 34 DATA CENTER SWITCH MARKET IN ROW FOR TELECOMMUNICATIONS INDUSTRY, BY REGION, 2015–2023 (USD MILLION)

Table 35 DATA CENTER SWITCH MARKET FOR GOVERNMENT ORGANIZATION, BY TYPE, 2015–2023 (USD MILLION)

Table 36 DATA CENTER SWITCH MARKET FOR GOVERNMENT ORGANIZATIONS, BY REGION, 2015–2023 (USD MILLION)

Table 37 DATA CENTER SWITCH MARKET IN NORTH AMERICA FOR GOVERNMENT ORGANIZATIONS, BY COUNTRY, 2015–2023 (USD MILLION) Table 38 DATA CENTER SWITCH MARKET IN EUROPE FOR GOVERNMENT ORGANIZATIONS, BY COUNTRY, 2015–2023 (USD MILLION)



Table 39 DATA CENTER SWITCH MARKET IN APAC FOR GOVERNMENT ORGANIZATIONS, BY COUNTRY, 2015–2023 (USD MILLION)

Table 40 DATA CENTER SWITCH MARKET IN ROW FOR GOVERNMENT ORGANIZATIONS, BY REGION, 2015–2023 (USD MILLION)

Table 41 DATA CENTER SWITCH MARKET FOR CLOUD SERVICE PROVIDERS, BY TYPE, 2015–2023 (USD MILLION)

Table 42 DATA CENTER SWITCH MARKET FOR CLOUD SERVICE PROVIDERS, BY REGION, 2015–2023 (USD MILLION)

Table 43 DATA CENTER SWITCH MARKET IN NORTH AMERICA FOR CLOUD SERVICE PROVIDERS, BY COUNTRY, 2015–2023 (USD MILLION)

Table 44 DATA CENTER SWITCH MARKET IN EUROPE FOR CLOUD SERVICE PROVIDERS, BY COUNTRY, 2015–2023 (USD MILLION)

Table 45 DATA CENTER SWITCH MARKET IN APAC FOR CLOUD SERVICE PROVIDERS, BY COUNTRY, 2015–2023 (USD MILLION)

Table 46 DATA CENTER SWITCH MARKET IN ROW FOR CLOUD SERVICE PROVIDERS, BY REGION, 2015–2023 (USD MILLION)

Table 47 DATA CENTER SWITCH MARKET, BY REGION, 2015–2023 (USD BILLION) Table 48 DATA CENTER SWITCH MARKET IN NORTH AMERICA, BY COUNTRY, 2015–2023 (USD BILLION)

Table 49 DATA CENTER SWITCH MARKET IN NORTH AMERICA, BY END USER, 2015–2023 (USD MILLION)

Table 50 DATA CENTER SWITCH MARKET IN US, BY END USER, 2015–2023 (USD MILLION)

Table 51 DATA CENTER SWITCH MARKET IN CANADA, BY END USER, 2015–2023 (USD MILLION)

Table 52 DATA CENTER SWITCH MARKET IN MEXICO, BY END USER, 2015–2023 (USD MILLION)

Table 53 DATA CENTER SWITCH MARKET IN EUROPE, BY COUNTRY, 2015–2023 (USD MILLION)

Table 54 DATA CENTER SWITCH MARKET IN EUROPE, BY END USER, 2015–2023 (USD MILLION)

Table 55 DATA CENTER SWITCH MARKET IN UK, BY END USER, 2015–2023 (USD MILLION)

Table 56 DATA CENTER SWITCH MARKET IN GERMANY, BY END USER, 2015–2023 (USD MILLION)

Table 57 DATA CENTER SWITCH MARKET IN FRANCE, BY END USER, 2015–2023 (USD MILLION)

Table 58 DATA CENTER SWITCH MARKET IN REST OF EUROPE, BY END USER, 2015–2023 (USD MILLION)



Table 59 DATA CENTER SWITCH MARKET IN APAC, BY COUNTRY, 2015–2023 (USD MILLION)

Table 60 DATA CENTER SWITCH MARKET IN APAC, BY END USER, 2015–2023 (USD MILLION)

Table 61 DATA CENTER SWITCH MARKET IN CHINA, BY END USER, 2015–2023 (USD MILLION)

Table 62 DATA CENTER SWITCH MARKET IN JAPAN, BY END USER, 2015–2023 (USD MILLION)

Table 63 DATA CENTER SWITCH MARKET IN INDIA, BY END USER, 2015–2023 (USD MILLION)

Table 64 DATA CENTER SWITCH MARKET IN SINGAPORE, BY END USER, 2015–2023 (USD MILLION)

Table 65 DATA CENTER SWITCH MARKET IN AUSTRALIA, BY END USER, 2015–2023 (USD MILLION)

Table 66 DATA CENTER SWITCH MARKET IN REST OF APAC, BY END USER, 2015–2023 (USD MILLION)

Table 67 DATA CENTER SWITCH MARKET IN ROW, BY REGION, 2015–2023 (USD MILLION)

Table 68 DATA CENTER SWITCH MARKET IN ROW, BY END USER, 2015–2023 (USD MILLION)

Table 69 DATA CENTER SWITCH MARKET IN MIDDLE EAST & AFRICA, BY END USER, 2015–2023 (USD MILLION)

Table 70 DATA CENTER SWITCH MARKET IN SOUTH AMERICA, BY END USER, 2015–2023 (USD MILLION)

Table 71 PRODUCT DEVELOPMENTS AND LAUNCHES, 2016–2017

Table 72 PARTNERSHIP, AGREEMENT, AND COLLABORATIONS, 2016–2017

Table 73 ACQUISITIONS, 2016–2017

Table 74 INVESTMENTS AND EXPANSIONS, 2015–2016



# **List Of Figures**

#### LIST OF FIGURES

Figure 1 RESEARCH FLOW

Figure 2 DATA CENTER SWITCH MARKET: RESEARCH DESIGN

Figure 3 BOTTOM-UP APPROACH

Figure 4 TOP-DOWN APPROACH

Figure 5 DATA TRIANGULATION

Figure 6 MARKET FOR ACCESS SWITCHES EXPECTED TO GROW AT THE

HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 7 MARKET FOR INFINIBAND DATA CENTER SWITCHES TO GROW AT THE

HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 8 10 GBPS TO 40 GBPS DATA CENTER SWITCHES EXPECTED TO

ACCOUNT FOR THE LARGEST MARKET SHARE BY 2023

Figure 9 DATA CENTER SWITCH MARKET FOR CLOUD SERVICE PROVIDERS

EXPECTED TO GROW AT THE HIGHEST CAGR DURING 2018–2023

Figure 10 NORTH AMERICA EXPECTED TO ACCOUNT FOR THE LARGEST

MARKET SHARE IN 2017

Figure 11 HIGH DEMAND FOR CLOUD SERVICES TO DRIVE THE DATA CENTER

SWITCH MARKET DURING THE FORECAST PERIOD

Figure 12 MARKET FOR 40 GBPS DATA CENTER SWITCHES EXPECTED TO

GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 13 ENTERPRISES ARE LIKELY TO HOLD THE LARGEST SHARE OF THE

DATA CENTER SWITCH MARKET IN APAC IN 2017

Figure 14 DATA CENTER SWITCH MARKET IN INDIA EXPECTED TO GROW AT

THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 15 CHINA TO HOLD THE LARGEST MARKET DURING THE FORECAST

**PERIOD** 

Figure 16 HIGH DEMAND FOR CLOUD SERVICES DRIVES THE GROWTH OF THE

DATA CENTER SWITCH MARKET

Figure 17 EVER-INCREASING BIG DATA VOLUME, 2014 – 2020 (ZETTABYTES)

Figure 18 INCREASING CLOUD DATA CENTER TRAFFIC DURING 2014-2019

Figure 19 GLOBAL IP TRAFFIC DURING 2015–2020

Figure 20 GLOBAL MOBILE DATA TRAFFIC FROM 2014 TO 2019

Figure 21 VALUE CHAIN: DATA CENTER SWITCH MARKET, 2017

Figure 22 DATA CENTER SWITCH MARKET FOR ACCESS SWITCHES EXPECTED

TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 23 CLOUD SERVICE PROVIDERS EXPECTED TO EXHIBIT THE HIGHEST



GROWTH RATE DURING THE FORECAST PERIOD

Figure 24 MARKET FOR DATA CENTER INFINIBAND SWITCHES TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 25 MARKET FOR 40 GBPS DATA CENTER SWITCHES EXPECTED TO GROW AT THE HIGHEST CAGR DURING 2018–2023

Figure 26 MARKET FOR 40 GBPS ACCESS SWITCHES EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 27 DATA CENTER SWITCH MARKET FOR CLOUD SERVICE PROVIDERS EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD Figure 28 DATA CENTER SWITCH MARKET FOR ENTERPRISES IN APAC EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD Figure 29 INDIA EXPECTED TO EXHIBIT THE HIGHEST GROWTH RATE IN THE DATA CENTER SWITCH MARKET IN APAC FOR ENTERPRISES DURING THE FORECAST PERIOD

Figure 30 FRANCE EXPECTED TO EXHIBIT THE HIGHEST GROWTH RATE IN THE EUROPEAN DATA CENTER SWITCH MARKET DURING THE FORECAST PERIOD Figure 31 DATA CENTER SWITCH MARKET IN APAC FOR GOVERNMENT ORGANIZATIONS EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 32 GERMANY EXPECTED TO WITNESS THE HIGHEST GROWTH RATE IN THE EUROPEAN DATA CENTER SWITCH MARKET FOR CLOUD SERVICE PROVIDERS DURING THE FORECAST PERIOD

Figure 33 GEOGRAPHIC SNAPSHOT: INDIA AND SINGAPORE EMERGING AS HIGH-POTENTIAL MARKETS (2018–2023)

Figure 34 DATA CENTER SWITCH MARKET IN APAC ESTIMATED TO GROW AT THE HIGHEST CAGR BETWEEN 2018 AND 2023

Figure 35 MARKET SNAPSHOT: NORTH AMERICA

Figure 36 CLOUD SERVICE PROVIDERS ESTIMATED TO EXHIBIT THE HIGHEST CAGR IN THE CANADIAN DATA CENTER SWITCH MARKET BETWEEN 2018 AND 2023

Figure 37 MARKET SNAPSHOT: EUROPE

Figure 38 CLOUD SERVICE PROVIDERS ESTIMATED TO EXHIBIT THE HIGHEST GROWTH IN GERMAN DATA CENTER SWITCH MARKET BETWEEN 2018 AND 2023

Figure 39 MARKET SNAPSHOT: APAC

Figure 40 SOUTH AMERICA EXPECTED TO DOMINATE THE DATA CENTER SWITCH MARKET FOR CLOUD SERVICE PROVIDERS BETWEEN 2018 AND 2023 Figure 41 COMPANIES ADOPTED NEW PRODUCT DEVELOPMENTS AND LAUNCHES AS THE KEY GROWTH STRATEGIES OVER THE LAST 4 YEARS



(2014 - 2017)

Figure 42 MARKET SHARE ANALYSIS OF THE PLAYERS IN THE DATA CENTER

**SWITCH MARKET IN 2017** 

Figure 43 CISCO: COMPANY SNAPSHOT

Figure 44 HUAWEI: COMPANY SNAPSHOT

Figure 45 HPE: COMPANY SNAPSHOT

Figure 46 ARISTA NETWORKS: COMPANY SNAPSHOT

Figure 47 JUNIPER NETWORKS: COMPANY SNAPSHOT

Figure 48 NEC: COMPANY SNAPSHOT

Figure 49 LENOVO: COMPANY SNAPSHOT

Figure 50 MELLANOX TECHNOLOGIES: COMPANY SNAPSHOT

Figure 51 EXTREME NETWORKS: COMPANY SNAPSHOT

Figure 52 FORTINET: COMPANY SNAPSHOT

Figure 53 ZTE: COMPANY SNAPSHOT

Figure 54 D-LINK: COMPANY SNAPSHOT

Figure 55 SILICOM: COMPANY SNAPSHOT

Figure 56 QCT: COMPANY SNAPSHOT



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