

Blockchain in Telecom Market by Provider (Application Providers, Middleware Providers, and Infrastructure Providers), Application (OSS/BSS Processes, Identity Management, Connectivity Provisioning), Organization Size, and Region - Global Forecast to 2023

<https://marketpublishers.com/r/B47E6A42DF5EN.html>

Date: July 2018

Pages: 132

Price: US\$ 5,650.00 (Single User License)

ID: B47E6A42DF5EN

Abstracts

“Increasing support for OSS/BSS processes is expected to drive the overall growth of blockchain in telecom market”

The blockchain in telecom market size is expected to grow from USD 46.6 million in 2018 to USD 993.8 million by 2023, at a Compound Annual Growth Rate (CAGR) of 84.4% during the forecast period. The blockchain in telecom market is driven by various factors, such as the increasing support for OSS/BSS processes and rising security concerns among telcos. However, growing concerns over the authenticity of users, and uncertain regulatory status and the lack of common standards can hinder the growth of the market.

Application providers segment is expected to grow at a higher CAGR during the forecast period

The application providers segment is the fastest growing segment in the blockchain in telecom market. The blockchain in telecom market has been categorized as, application providers, middleware providers, and infrastructure providers. The application providers leverage the platforms and solutions provided by infrastructure providers and tools provided by middleware providers for the development of applications. Applications developed have various use cases and can run on endpoints, mobile devices, and other

IoT devices.

OSS/BSS processes segment is expected to hold the largest market share during the forecast period

The OSS/BSS processes segment consists of import set of functions required for the telecom sector. OSS applications are important for the telecom sector as they aid in management and operations of telcos' network and customer services. BSS helps the telecom sector in 4 areas: product management, order management, revenue management, and customer management. The OSS/BSS processes running on the traditional networks are subject to data theft and clustered business operations. Blockchain efficiently handles various challenges involved in OSS/BSS processes. Concerns over number portability, billing and flexi eSIM provisioning, roaming, and fraud are efficiently handled by the blockchain network. Apart from the OSS/BSS processes, connectivity provisioning is one such segment which will be growing at the highest CAGR during the forecast period. 5G enablement, IoT connectivity, and M2M connectivity will drive the adoption of blockchain in the connectivity provisioning segment of blockchain in telecom market.

APAC is expected to record the highest growth rate during the forecast period

APAC is expected to have the highest growth rate during the forecast period, due to the increase in venture capital funding, increasing number of startups, governments' increasing focus on regulating the blockchain technology in the telecom market space. The key telecom service providers, financial hubs, and government organizations in China, Australia and New Zealand, India, and Singapore, provide huge opportunities for the adoption of the blockchain solutions in the telecom sector. Meanwhile, North America is projected to hold the largest market size during the forecast period.

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the blockchain in telecom marketplace.

By company type: Tier 1: 35%, Tier 2: 55%, and Tier 3: 10%

By designation: C-Level: 60%, Director Level: 25%, and Others 15%

By region: North America: 25%, Europe: 35%, APAC: 25%, MEA: 10% and Latin America: 5%

The blockchain in telecom market comprises major solution providers, such as AWS (US), Guardtime (Estonia), IBM (US), Microsoft (US), SAP (Germany), Bitfury (US), Cegeka (The Netherlands), Clear (Singapore), Reply (Italy), ShoCard (US), Abra (US), Auxesis Group (India), Blockchain Foundry (Singapore), BlockCypher (US), BLOCKO (South Korea), Blockpoint (US), Blockstream (US), Chain (US), Filament (US), Huawei (China), Oracle (US), RecordsKeeper (Spain), SpinSys (US), Sofocle (India), and TBCASoft (US). The study includes in-depth competitive analysis of these key players in the blockchain in telecom market, with their company profiles, recent developments, and key market strategies.

Research Coverage

The market study covers the blockchain in telecom market across segments. It aims at estimating the market size and the growth potential of this market, across different segments, such as provider, application, organization size, and region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall blockchain in telecom market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
- 1.4 YEARS CONSIDERED FOR THE STUDY
- 1.5 CURRENCY
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Breakdown of primaries
 - 2.1.2.2 Key industry insights
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
- 2.3 RESEARCH ASSUMPTIONS AND LIMITATIONS
 - 2.3.1 LIMITATIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE MARKET OPPORTUNITIES IN THE BLOCKCHAIN IN TELECOM MARKET
- 4.2 BLOCKCHAIN IN TELECOM MARKET, MARKET SHARE OF TOP 3 PROVIDERS AND REGIONS, 2018
- 4.3 BLOCKCHAIN IN TELECOM MARKET, BY ORGANIZATION SIZE, 2018
- 4.4 MARKET INVESTMENT SCENARIO
- 4.5 BLOCKCHAIN IN TELECOM MARKET, TOP 3 APPLICATIONS

5 MARKET OVERVIEW AND INDUSTRY TRENDS

5.1 INTRODUCTION

Blockchain in Telecom Market by Provider (Application Providers, Middleware Providers, and Infrastructure Prov...

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Increasing support for OSS/BSS processes

5.2.1.2 Rising security concerns among telcos

5.2.2 RESTRAINTS

5.2.2.1 Growing concerns related to the authenticity of users

5.2.2.2 Uncertain regulatory status and the lack of common standards

5.2.3 OPPORTUNITIES

5.2.3.1 Blockchain technology helps the telecom sector in fraud management

5.2.3.2 Extensive use of blockchain solutions in IoT space

5.2.3.3 Increasing use of the blockchain technology for implementing 5G technology

5.2.4 CHALLENGES

5.2.4.1 Lack of awareness of the blockchain technology

5.2.4.2 Lack of understanding about the blockchain concept, skill sets, and technical knowledge

5.3 INDUSTRY TRENDS

5.3.1 TYPES OF BLOCKCHAIN TECHNOLOGY

5.3.1.1 Private blockchain

5.3.1.2 Public blockchain

5.3.2 BLOCKCHAIN ASSOCIATIONS AND CONSORTIUMS

5.3.2.1 Enterprise Ethereum Alliance (EEA)

5.3.2.2 Hyperledger Consortium

5.3.2.3 Global Blockchain Business Council

5.3.2.4 Blockchain Collaborative Consortium (BCCC)

5.3.2.5 R3CEV Blockchain Consortium

5.3.2.6 CLS Group

5.3.2.7 Global Payments Steering Group (GPSG)

5.3.2.8 Financial Blockchain Shenzhen Consortium (FBSC)

5.3.2.9 CU Ledger

5.4 INNOVATION SPOTLIGHT

6 BLOCKCHAIN IN TELECOM MARKET, BY PROVIDER

6.1 INTRODUCTION

6.2 APPLICATION PROVIDERS

6.3 MIDDLEWARE PROVIDERS

6.4 INFRASTRUCTURE PROVIDERS

7 BLOCKCHAIN IN TELECOM MARKET, BY APPLICATION

- 7.1 INTRODUCTION
- 7.2 OSS/BSS PROCESSES
- 7.3 IDENTITY MANAGEMENT
- 7.4 PAYMENTS
- 7.5 SMART CONTRACTS
- 7.6 CONNECTIVITY PROVISIONING
- 7.7 OTHERS

8 BLOCKCHAIN IN TELECOM MARKET, BY ORGANIZATION SIZE

- 8.1 INTRODUCTION
- 8.2 SMALL AND MEDIUM-SIZED ENTERPRISES
- 8.3 LARGE ENTERPRISES

9 BLOCKCHAIN IN TELECOM MARKET, BY REGION

- 9.1 INTRODUCTION
- 9.2 NORTH AMERICA
 - 9.2.1 UNITED STATES
 - 9.2.2 CANADA
- 9.3 EUROPE
 - 9.3.1 UNITED KINGDOM
 - 9.3.2 GERMANY
 - 9.3.3 REST OF EUROPE
- 9.4 ASIA PACIFIC
 - 9.4.1 CHINA
 - 9.4.2 AUSTRALIA AND NEW ZEALAND
 - 9.4.3 INDIA
 - 9.4.4 REST OF ASIA PACIFIC
- 9.5 MIDDLE EAST AND AFRICA
 - 9.5.1 MIDDLE EAST
 - 9.5.2 AFRICA
- 9.6 LATIN AMERICA
 - 9.6.1 MEXICO
 - 9.6.2 BRAZIL
 - 9.6.3 REST OF LATIN AMERICA

10 COMPETITIVE LANDSCAPE

10.1 OVERVIEW

10.2 COMPETITIVE SITUATIONS AND TRENDS

10.2.1 NEW PRODUCT LAUNCHES

10.2.2 BUSINESS EXPANSIONS

10.2.3 PARTNERSHIPS, AGREEMENTS, AND COLLABORATIONS

11 COMPANY PROFILES

11.1 INTRODUCTION

(Business Overview, Products & Services, Key Insights, Recent Developments, Solution Offered, SWOT Analysis, MnM View)*

11.2 AWS

11.3 GUARDTIME

11.4 IBM

11.5 MICROSOFT

11.6 SAP

11.7 BITFURY

11.8 CEGEKA

11.9 CLEAR

11.10 REPLY

11.11 SHOCARD

11.12 ABRA

11.13 AUXESIS GROUP

11.14 BLOCKCHAIN FOUNDRY

11.15 BLOCKCYPHER

11.16 BLOCKO

11.17 BLOCKPOINT

11.18 BLOCKSTREAM

11.19 CHAIN

11.20 FILAMENT

11.21 HUAWEI

11.22 ORACLE

11.23 RECORDSKEEPER

11.24 SOFOCLE

11.25 SPINSYS

11.26 TBCASOFT

*Details on Business Overview, Products & Services, Key Insights, Recent Developments, Solution Offered, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

12 APPENDIX

12.1 DISCUSSION GUIDE

12.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

12.3 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

12.4 AVAILABLE CUSTOMIZATIONS

12.5 RELATED REPORTS

12.6 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

Table 1 BLOCKCHAIN IN TELECOM MARKET SIZE AND GROWTH RATE, 2016–2023 (USD MILLION, Y-O-Y %)

Table 2 INNOVATION SPOTLIGHT: LATEST BLOCKCHAIN IN TELECOM SOLUTIONS

Table 3 BLOCKCHAIN IN TELECOM MARKET SIZE, BY PROVIDER, 2016–2023 (USD MILLION)

Table 4 APPLICATION PROVIDERS: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 5 MIDDLEWARE PROVIDERS: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 6 INFRASTRUCTURE PROVIDERS: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 7 BLOCKCHAIN IN TELECOM MARKET SIZE, BY APPLICATION, 2016–2023 (USD MILLION)

Table 8 OSS/BSS PROCESSES: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 9 IDENTITY MANAGEMENT: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 10 PAYMENTS: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 11 SMART CONTRACTS: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 12 CONNECTIVITY PROVISIONING: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 13 OTHERS: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 14 BLOCKCHAIN IN TELECOM MARKET SIZE, BY ORGANIZATION SIZE, 2016–2023 (USD MILLION)

Table 15 SMALL AND MEDIUM-SIZED ENTERPRISES: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 16 LARGE ENTERPRISES: BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 17 BLOCKCHAIN IN TELECOM MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 18 NORTH AMERICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY

PROVIDER, 2016–2023 (USD MILLION)

Table 19 NORTH AMERICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY APPLICATION, 2016–2023 (USD MILLION)

Table 20 NORTH AMERICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY ORGANIZATION SIZE, 2016–2023 (USD MILLION)

Table 21 NORTH AMERICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 22 EUROPE: BLOCKCHAIN IN TELECOM MARKET SIZE, BY PROVIDER, 2016–2023 (USD MILLION)

Table 23 EUROPE: BLOCKCHAIN IN TELECOM MARKET SIZE, BY APPLICATION, 2016–2023 (USD MILLION)

Table 24 EUROPE: BLOCKCHAIN IN TELECOM MARKET SIZE, BY ORGANIZATION SIZE, 2016–2023 (USD MILLION)

Table 25 EUROPE: BLOCKCHAIN IN TELECOM MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 26 ASIA PACIFIC: BLOCKCHAIN IN TELECOM MARKET SIZE, BY PROVIDER, 2016–2023 (USD MILLION)

Table 27 ASIA PACIFIC: BLOCKCHAIN IN TELECOM MARKET SIZE, BY APPLICATION, 2016–2023 (USD MILLION)

Table 28 ASIA PACIFIC: BLOCKCHAIN IN TELECOM MARKET SIZE, BY ORGANIZATION SIZE, 2016–2023 (USD MILLION)

Table 29 ASIA PACIFIC: BLOCKCHAIN IN TELECOM MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 30 MIDDLE EAST AND AFRICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY PROVIDER, 2016–2023 (USD MILLION)

Table 31 MIDDLE EAST AND AFRICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY APPLICATION, 2016–2023 (USD MILLION)

Table 32 MIDDLE EAST AND AFRICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY ORGANIZATION SIZE, 2016–2023 (USD MILLION)

Table 33 MIDDLE EAST AND AFRICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY SUBREGION, 2016–2023 (USD MILLION)

Table 34 LATIN AMERICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY PROVIDER, 2016–2023 (USD MILLION)

Table 35 LATIN AMERICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY APPLICATION, 2016–2023 (USD MILLION)

Table 36 LATIN AMERICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY ORGANIZATION SIZE, 2016–2023 (USD MILLION)

Table 37 LATIN AMERICA: BLOCKCHAIN IN TELECOM MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 38 NEW PRODUCT LAUNCHES, 2017–2018

Table 39 BUSINESS EXPANSIONS, 2017–2018

Table 40 PARTNERSHIPS, AGREEMENTS, AND COLLABORATIONS, 2017–2018

List Of Figures

LIST OF FIGURES

Figure 1 GLOBAL BLOCKCHAIN IN TELECOM MARKET: MARKET SEGMENTATION

Figure 2 GLOBAL BLOCKCHAIN IN TELECOM MARKET: RESEARCH DESIGN

Figure 3 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY, DESIGNATION, AND REGION

Figure 4 DATA TRIANGULATION

Figure 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

Figure 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

Figure 7 ASSUMPTIONS

Figure 8 BLOCKCHAIN IN TELECOM MARKET SIZE, BY PROVIDER

Figure 9 NORTH AMERICA IS ESTIMATED TO HOLD THE LARGEST MARKET SHARE IN 2018

Figure 10 TOP 3 REVENUE SEGMENTS OF THE BLOCKCHAIN IN TELECOM MARKET

Figure 11 SUPPORT FOR OSS/BSS IS EXPECTED TO BOOST THE GROWTH OF THE BLOCKCHAIN IN TELECOM MARKET

Figure 12 INFRASTRUCTURE PROVIDER SEGMENT AND NORTH AMERICAN REGION ARE ESTIMATED TO HAVE THE LARGEST MARKET SHARES IN 2018

Figure 13 LARGE ENTERPRISES SEGMENT IS EXPECTED TO HAVE THE LARGER MARKET SHARE IN 2018

Figure 14 ASIA PACIFIC IS EXPECTED TO EMERGE AS THE BEST MARKET FOR INVESTMENTS IN THE NEXT 5 YEARS

Figure 15 OSS/BSS PROCESSES APPLICATION AREA IS ESTIMATED TO HAVE THE LARGEST MARKET SIZE BY 2023

Figure 16 BLOCKCHAIN IN TELECOM MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

Figure 17 APPLICATION PROVIDERS SEGMENT IS EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 18 CONNECTIVITY PROVISIONING SEGMENT IS EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 19 SMALL AND MEDIUM-SIZED ENTERPRISES SEGMENT IS EXPECTED TO GROW AT A HIGHER CAGR DURING THE FORECAST PERIOD

Figure 20 ASIA PACIFIC IS EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 21 NORTH AMERICA: MARKET SNAPSHOT

Figure 22 ASIA PACIFIC: MARKET SNAPSHOT

Figure 23 KEY DEVELOPMENTS BY THE LEADING PLAYERS IN THE BLOCKCHAIN IN TELECOM MARKET, 2017–2018

Figure 24 GEOGRAPHIC REVENUE MIX OF THE TOP PLAYERS

Figure 25 AWS: COMPANY SNAPSHOT

Figure 26 AWS: SWOT ANALYSIS

Figure 27 GUARDTIME: SWOT ANALYSIS

Figure 28 IBM: COMPANY SNAPSHOT

Figure 29 IBM: SWOT ANALYSIS

Figure 30 MICROSOFT: COMPANY SNAPSHOT

Figure 31 MICROSOFT: SWOT ANALYSIS

Figure 32 SAP: COMPANY SNAPSHOT

Figure 33 SAP: SWOT ANALYSIS

Figure 34 CEGEKA: COMPANY SNAPSHOT

Figure 35 REPLY: COMPANY SNAPSHOT

Figure 36 HUAWEI: COMPANY SNAPSHOT

Figure 37 ORACLE: COMPANY SNAPSHOT

I would like to order

Product name: Blockchain in Telecom Market by Provider (Application Providers, Middleware Providers, and Infrastructure Providers), Application (OSS/BSS Processes, Identity Management, Connectivity Provisioning), Organization Size, and Region - Global Forecast to 2023

Product link: <https://marketpublishers.com/r/B47E6A42DF5EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/B47E6A42DF5EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970