



Data Encryption Market is the key tool for ensuring data protection and to curtail unauthorized access to sensitive data

Database encryption technology set the data in to cipher text by using algorithm, to protect the data from third party.

HYDERABAD, TELANGANA, INDIA, September 12, 2018 /EINPresswire.com/ -- [Data encryption](#): Thwarting Security breaches

There is no doubt that the technology available in the world is surrounded by encryption. Database encryption technology set the data in to cipher text by using algorithm, to protect the data from third party. Encrypted data can only be redeemed by computer or human who has knowledge about it. It is most useful to prevent the security breaches occurring during the transfer of data. Increasing data breaches incidences and adoption of the cloud based database are the primary factor of driving the growth of database market. Many sectors where security flaws likely to occur such as government data, public sector organizations, military and defense, aerospace, retail and e-commerce an additional layer of protection needs to be added which is data encryption.

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<https://industryarc.com/Report/15115/database-encryption-market.html>

The biggest challenge with data encryption is security breaching, which was handled in a good way by top players such as IBM. IBM provides multi cloud data encryption technology with a broad range of features including data accessible policies, integrated key management with advanced cryptographic splitting technology. A UK based company Post-quantum faced the challenge to develop classical cryptographic security which are resistant to attack quantum computer. They work on a wider audience, including public and stakeholders and they are of particular relevance in areas such as defense and security, telecommunication, internet of things and financial service and they provide advanced cyber-security products for high value data and workflows. IBM is the world leading IT technology and consulting company have raised by \$240 million funding amount with the lead investor MIT-IBM Watson AI lab, here researchers will develop algorithms, optimize hardware and explore the implications of AI in society.

Penta Security and Engimedia are South Korea and Spain based startups respectively. Penta security systems provide data security solutions. Penta Security also working on a new project to create and operate for Application Management Outsourcing (AMO) where tasks like support assurance, scaling, performance handling, resource allocation, cybersecurity research are handled by third party.. Penta security has world's 4th largest share in web application firewall market. Engimedia develops privacy solutions with robust and scalability that is needed to protect and secure data. Engimedia has funded by €2.3 million in the year of 2017 with the lead investor 'Mundi Ventures'.

One startup VERA security started in 2014, is an enterprise data security and information right management platforms which provides encryption and controls digital information shared by users, devices, platforms, has accounted total funding amount of \$50 million in the year between 2014-2017 and with the lead amount of \$21 million by 'Sutter hill ventures' in 2016.

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With the rise in cloud storage, data based encryption is finding many opportunities to secure data on cloud. Different methods such as Homomorphic encryption, wearable two factor authentication, Quantum cryptography, Honey encryption are some of the encryption methods that are in high demand. Data encryption is the key tool for ensuring data protection and to curtail unauthorized access to sensitive data.

Database Encryption market report is segmented as indicated below:

1. Database Encryption Market – By Objective

1.1. Introduction

1.2. Secrecy

1.3. Authenticity

2. Database Encryption Market – By Threats

2.1. Introduction

2.2. External Threats

2.2.1. Hackers Breach

2.3. Internal Threats

2.3.1. Confidential Information

2.4. Physical Threats

2.4.1. Thieves strike

3. Database Encryption Market – By Encryption Method

3.1. Introduction

3.2. Hashing

3.3. Symmetric Method

3.3.1. Transparent data encryption

3.4. Asymmetric Method

4. Database Encryption Market – By Type

4.1. File-System Encryption

4.2. DBMS-Level Encryption

4.3. Application-Level Encryption

4.4. Client-Side Encryption

4.5. Indexing Encrypted Data

5. Database Encryption Market – By Types of Attack

5.1. Introduction

5.2. Database operational model

5.2.1. Data-in-motion

5.2.2. Data-in-use

5.2.3. Data-at-rest

5.3. Attack comprising security

5.3.1. Intruder

5.3.2. Insider

5.3.3. Administrator

5.3.4. Passive Attack

5.3.4.1. Static leakage

5.3.4.2. Linkage leakage

5.3.4.3. Dynamic leakage

5.3.5. Active Attack

5.3.5.1. Spoofing

5.3.5.2. Splicing

5.3.5.3. Replay

6. Database Encryption Market- By Development Type

6.1. Public Cloud

6.2. Private Cloud

6.3. Hybrid Cloud

7. 11.Database Encryption Market- By Application

7.1. Business application

7.2. Web application

7.3. DBMS users

8. Database Encryption Market- By End users

8.1. Introduction

8.2. Government

8.3. Public sector

8.4. Military and Defense

8.5. Aerospace

8.6. Retail and E-commerce

8.7. Others

9. Database Encryption Market – By Market Entropy

10. Database Encryption Market – By Geography

Companies Cited / Interviewed /Referenced

IBM Corporation

Post-Quantum

Enigmedia

Penta Security

Crypto Move

Data Motion

Echoworx

ENC security

FinalCode

icore connect

PKWARE

STEAKTH Software

Symantec

Company 20+

Related Reports:

A. Data Storage Market

<https://industryarc.com/Report/15377/data-storage-market.html>

B. Disaster Recovery as a Service Market

<https://industryarc.com/Report/18634/disaster-recovery-as-a-service-market.html>

What can you expect from the report?

The Database Encryption Market Report is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories

2. Market trends

3. Manufacturer Landscape

4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis (By Revenue & Volume)
12. Country level Analysis (15+)
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis
19. Opportunity Analysis
20. Revenue and Volume Analysis

Frequently Asked Questions:

Q. Does IndustryARC publish country, or application based reports in Database Encryption Market? Response: Yes, we do have separate reports and database as mentioned below:

1. North America Database Encryption Market (2018-2023)
2. South America Database Encryption Market (2018-2023)
3. Europe Database Encryption Market (2018-2023)
4. Asia Pacific Database Encryption Market (2018-2023)
5. Middle East and Africa Database Encryption Market (2018-2023)
6. External Threats in Database Encryption Market (2018-2023)
7. Symmetric Method in Database Encryption Market (2018-2023)
8. DBMS-Level Database Encryption Market (2018-2023)
9. Splicing in Database Encryption Market (2018-2023)

Q. Does IndustryARC provide customized reports and charge additionally for limited customization?

Response: Yes, we can customize the report by extracting data from our database of reports and annual subscription databases. We can provide the following free customization

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3. Find out market shares for other smaller companies or companies which are of interest to you.
4. Company profiles can be requested based on your interest.
5. Patent analysis, pricing, product analysis, product benchmarking, value and supply chain analysis can be requested for a country or end use segment.

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