

Database Security Market to Reach USD 20.90 Billion by 2032 | SNS Insider

Database Security Market growth driven by cyber threats, cloud adoption, strict regulations, and rising BFSI investments in security solutions.

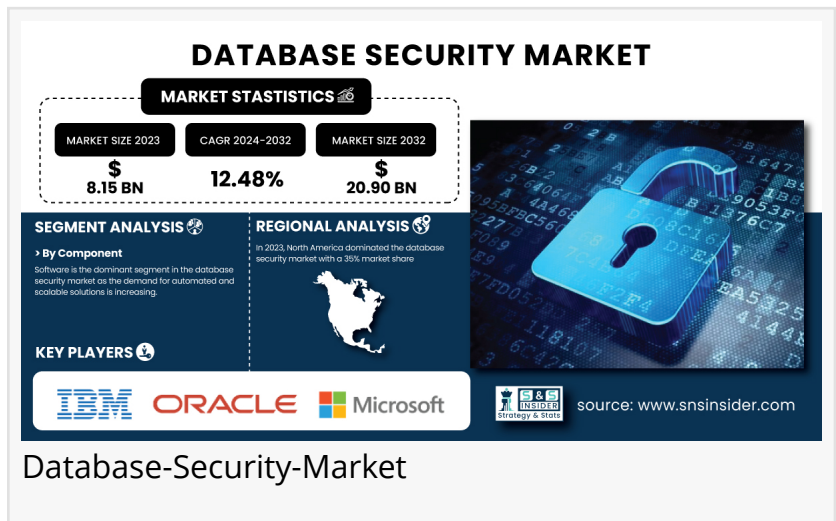
AUSTIN, TX, UNITED STATES, February 26, 2025 /EINPresswire.com/ -- The [Database Security Market](#) is anticipated to develop at a CAGR of 12.48% from 2024 to 2032, growing from an estimated USD 8.15 billion in 2023 to USD 20.90 billion in 2032. This report includes insights on adoption

rates of emerging technologies, network infrastructure expansion, cybersecurity incidents, and cloud services usage across regions. Market growth is driven by rising cyber threats, increasing cloud adoption, and stringent data protection regulations. Organizations are prioritizing robust security solutions to safeguard sensitive data and ensure regulatory compliance.

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Keyplayers:

- IBM Corporation (Guardium, Security QRadar)
- Oracle Corporation (Oracle Database Vault, Oracle Advanced Security)
- Microsoft Corporation (Azure SQL Database Security, SQL Server Security)
- McAfee, LLC (McAfee Database Activity Monitoring, McAfee Total Protection for Data)
- Symantec Corporation (Symantec Data Loss Prevention, Symantec Encryption)
- Trend Micro Inc. (Deep Security, Cloud One - Conformity)
- Fortinet, Inc. (FortiDB, FortiWeb)
- Imperva, Inc. (Imperva Data Security, SecureSphere)
- Thales Group (CipherTrust Database Encryption, Vormetric Data Security)
- Micro Focus (Data Security Voltage, SecureData)
- Check Point Software Technologies (CloudGuard, Check Point Data Loss Prevention)
- Trustwave Holdings, Inc. (Trustwave DbProtect, Trustwave Secure Email Gateway)
- Sophos Group (Sophos XG Firewall, Sophos Intercept X)



- Oracle Corporation (Oracle Key Vault, Oracle Audit Vault)
- Idera, Inc. (SQL Secure, SQL Compliance Manager)
- Dell Technologies (Dell Data Protection, Secureworks)
- Varonis Systems, Inc. (Varonis DatAdvantage, Varonis DataAlert)
- Netwrix Corporation (Netwrix Auditor, Netwrix Data Discovery and Classification)
- SolarWinds Corporation (Database Performance Analyzer, Access Rights Manager)
- Huawei Technologies Co., Ltd. (GaussDB, CloudDB Security) and others.

By Component, Software Segment Dominates the Database Security Market, Services Segment Expected to Witness Significant Growth

The software category dominates the database security market as organizations move towards automated and scalable solutions. Advanced security software usage has risen sharply, with 72% of organizations deploying these technologies in 2023, a rise from 61% in 2022. The software category includes database firewalls, encryption, and auditing tools and offers real-time threat detection and protection at scale, making it the go-to for cybersecurity defense.

The services segment, which includes consulting, training, and managed security services, is also expected to expand at the fastest CAGR. Nevertheless, it falls short of software because of its inability to provide real-time protection. While software solutions represented 85% of the U.S. Department of Defense's database security mechanisms, services fall short of meeting the size and automation needed in today's cybersecurity. Nevertheless, demand for skilled advice and assistance remains a key driver of expansion.

By Deployment Mode, On-Premise Deployment Maintains Largest Market Share but Faces Decline Amid Cloud Adoption

On-premise deployment dominated the database security market with a 64% share, thanks to its availability in highly regulated industries such as government and defense. Its dominance is, however, declining as organizations move more towards cloud-based solutions. In spite of its control and security benefits, on-premise solutions are slowly losing ground as businesses look for more scalable and economical options. The increasing need for real-time threat detection and automation is driving the move towards cloud-based security architectures.

By business function, Finance Function Dominates the Database Security Market Due to High Data Sensitivity

In 2023, Finance was the largest database security market, spurred on by the business-critical demand to safeguard financial data, transactions, and compliance mandates. Since financial breaches comprise a major chunk of cyber threats, organizations looked to invest heavily in security frameworks. The regulatory requirements of BFSI such as GDPR, PCI DSS, and SOX also drove expenditure on next-gen database security, and thus, finance was the leading business function in the marketplace.

By Organization Size, Large Enterprises Lead Database Security Adoption with Scalable and Advanced Solutions

Large enterprises dominated the database security industry in 2023 with their huge volumes of data, sophisticated IT environments, and increased cybersecurity threats. They heavily invested in integrated security tools, such as encryption, firewalls, and real-time protection, to secure important business information. Industry standards and regulatory compliance forced large corporations to adopt advanced security systems, while SMEs, although on the rise in terms of usage, were restricted by budget considerations for the deployment of advanced database security solutions.

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By Vertical, BFSI Sector Leads the Database Security Market Due to High Data Sensitivity and Rising Cyber Threats

The Banking, Financial Services, and Insurance (BFSI) sector dominates the database security market due to the highly sensitive nature of financial data, including personal records, transaction histories, and credit card details. In 2023, 35% of all reported cyber breaches targeted financial institutions, according to the U.S. Federal Reserve. Regulatory bodies like the SEC and FCA have enforced stricter data security policies, driving financial firms to increase security spending by 28%, with a major focus on database protection.

North America Leads Database Security Market with Strong Regulations and Technological Advancements, Asia Pacific Poised for Fastest Growth

North America dominated the database security market in 2023 with a 35% share, driven by advanced infrastructure, widespread cloud adoption, and stringent cybersecurity regulations. In the U.S., the Department of Defense's Cybersecurity Maturity Model Certification (CMMC) promotes advanced security adoption. Canada has strengthened its database security landscape through PIPEDA reforms. Major players like IBM, Oracle, and Microsoft fuel innovation, while rising cyber threats in the BFSI sector continue to boost demand for enhanced data protection solutions.

Asia Pacific is expected to register the fastest CAGR in the database security market, propelled by evolving regulations. China's Global Data Security Initiative emphasizes strict data protection, banning backdoors and espionage-related activities. This regulatory shift is prompting businesses to prioritize robust database security solutions. As governments across the region enforce stricter policies to protect critical infrastructure and consumer data, enterprises are increasingly investing in advanced cybersecurity measures, driving market expansion throughout the forecast period.

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world.

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