



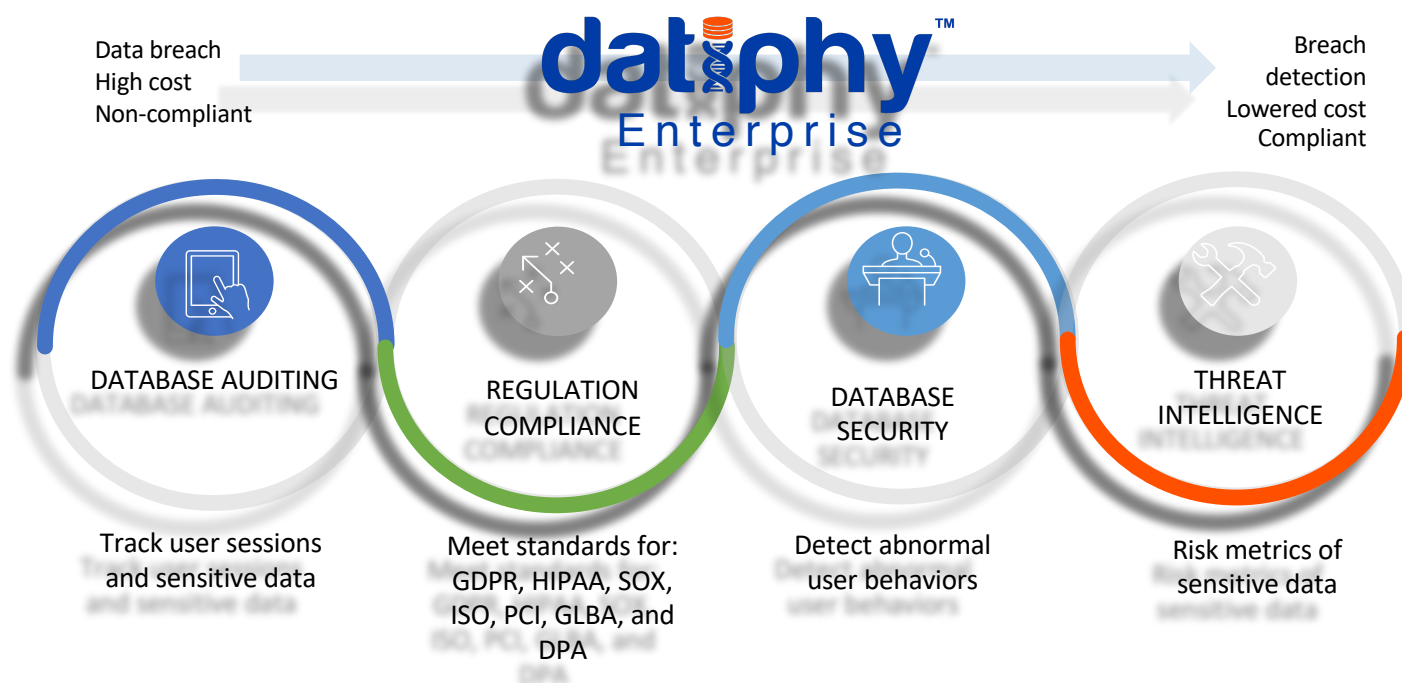
dataphyTM
Know Your Data

Your Trusted Security Partner

Business strategies that build trust, protection, and awareness

Business Challenges

Your business is built upon your data and while business intelligence is driving hyper growth across all verticals, there are constant threats against that data that must be addressed. Big Data analytics is now trying to solve the information security problems with more intelligent automation to reduce the manual overhead normally handled by security professionals. Datiphy's Enterprise Security Solution that takes the learned behaviors of the database environment and polices based on the unique characteristics of each environment. The ultimate goal is to reduce the enterprise's risk exposure.



Datiphy's Data-Centric Auditing and Protection (DCAP)

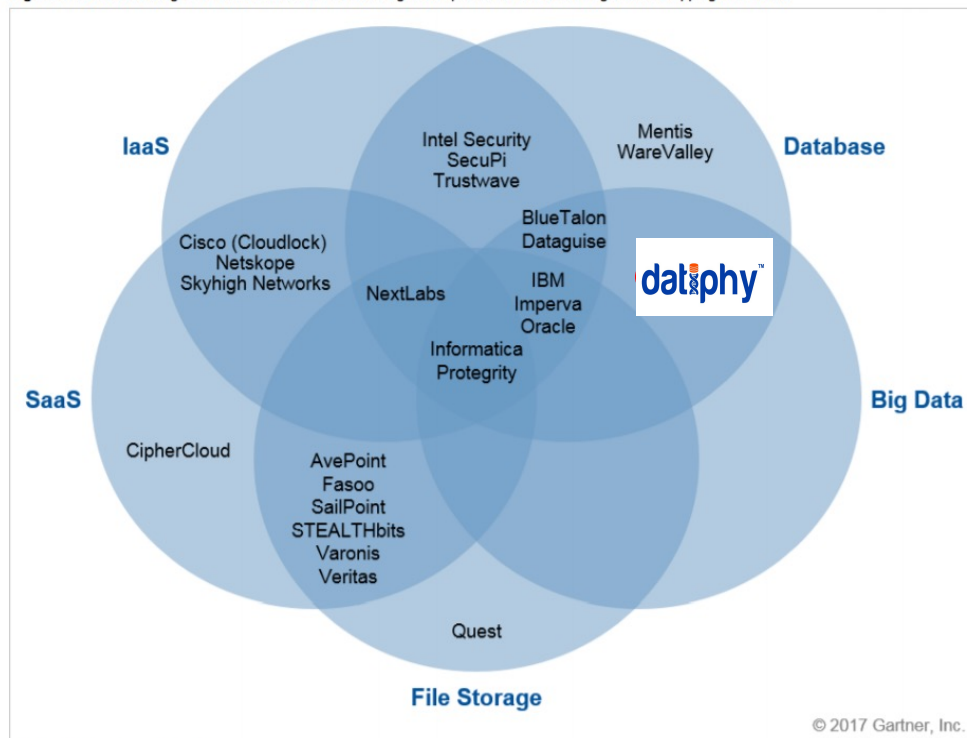
According to Gartner, By 2020 data-centric audit and protection products will replace disparate siloed data security tools in 40% of large enterprises, up from less than 5% today. Datiphy is listed as Data-Centric Auditing and Protection (DCAP) representative vendor in Gartner's report 2017.

Datiphy's patented technology helps enterprises secure their most sensitive data against internal and external threats. The complete solution is built to defend against sophisticated attacks. All deployments are fast, light-weight, and customizable due to the *Smart Agents* that are able to support all data repositories on-premise and in the hybrid cloud infrastructure.

Datiphy Award Winning Smart Security Platform

- ✓ Data Auditing: continuous monitoring of all database transactions; collecting forensics evidence for data investigation and fraud detection
- ✓ Compliance assessment: establish common regulatory controls to determine violations and access privileges, and generate customizable reports
- ✓ Data Security: daily monitoring of data assets to provide risk metrics and determine violations and access privileges
- ✓ Threat intelligence: real-time intelligence of all threat vectors; risk assessment for daily monitoring of data assets and risk metrics
- ✓ Performance intelligence: detect system bottleneck and generate diagnostics for performance optimization

Figure 2. Schematic Diagram for the DCAP Market Showing a Sample of Vendor's Coverage of Overlapping Data Silos



Source: Gartner (March 2017)



Gartner lists Datiphy as a representative vendor for data exfiltration and external threats



Red Herring names Datiphy as North America top 100 winner



Momentum Partners recognizes Datiphy as Specialized Threat Analytic Vendors



In Frost and Sullivan's company assessment report, Datiphy has achieved 'Outstanding score in terms of business expansion capabilities.

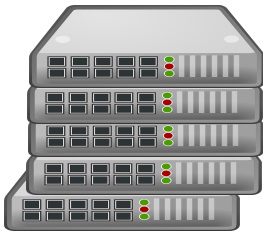


Full Range of Product Deployment & Databases Supported

Collects database network packets from taps or span port



Network Sniffer

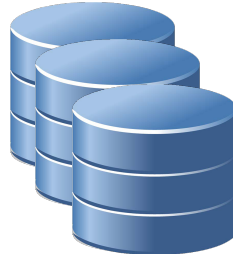


Switch Infrastructure

Collects database protocols at the kernel level



Host Agent



Databases

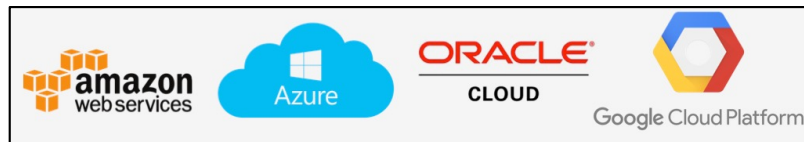
Collects database web traffic via a proxy server



Cloud Agent



Clouds



Datiphy support most market available databases types and versions including Microsoft SQL Server, MariaDB , MySQL , PostgreSQL, AIX , DB2, HP-UX, etc.

Datiphy Security Solutions take into account access anomalies, vulnerabilities, and threats to give you an overall risk overview of your organization. Security analysts and auditors (both internal and external) can utilize our alerts to prioritize a plan of attack and to create mitigating controls. Our patented technology is non-intrusive and we can formulate a behavioral pattern well before any hackers can exercise their means to exfiltrate your sensitive data. Detection is necessary but prevention is paramount in ensuring that you know who is accessing your sensitive data. Enhance your log aggregation tool with the help of Datiphy's security solution.

Datiphy Enterprise Security Solutions: Features and Benefits

Fast Deployment & Easy Management

- Datiphy Solution is easy to implement, user friendly, and adopt machine-learning technology and threat intelligence to identify anomalies against databases.
- Datiphy software installation does not require database login credentials.
- While installing Datiphy software, no change on existing database execution files, libraries, and time stamps.
- When encountering network anomaly, Datiphy smart agents have buffer capability to store data up to 24 hours.
- Datiphy Smart Agents enables full audit to completely record database activities (including remote and local activities). Collection of audit data does not turn on the database audit log.
- Datiphy smart agents provide self-monitoring mechanism to alert performance anomaly and services restart.
- Datiphy Smart Agents do not take snapshots of the database server's memory to obtain data inventory data
- Provide automated self-monitoring of multi-platform database instances and their status so that access management can be provided on a continuous basis to the whole estate.

Data Non-repudiation and Compliance

- Securely store and manage audit records to provide non-repudiation evidences as an efficient compliance enabling tool, so that overhead on the business operation is kept to a minimum and organizational change does not adversely affect delivery.
- Provide detailed information to easily identify any request and change access, any violation of database access will trigger alerts and send to designated personnel for immediate actions.
- The database audit log must not be enabled to ensure data integrity and non-repudiation
- Before and after the Datiphy software installation, the number of database server software files/file size/timestamps are the same
- Regulation compliance policies and rules are template-based and able to be pre-configured to ensure 24*7* 365 compliance with minimum human interventions.

Data Archive, Restore, and Forensic

- Audit data is archived periodically (hourly and daily) to ensure data integrity.
- Audit data can be archived and compressed to an external storage device using SFTP and digital timestamp technologies; archived data may be restored by selecting a specific day or hours using a single command to streamline time-consuming and labor-intensive operations.
- Generate on-demand reports based on Google-like search results.
- Simplify big data analysis by supporting on-demand restoring and exporting selective audit data to 3rd party big data platform
- Sensitive records can be masked to comply with data protection regulations.

Datiphy Enterprise Security Solutions: Features and Benefits

Auditing, Analytics, Reporting and Search Capabilities

- Provide evidences that databases auditing and controls are being enforced at all times to achieve complete auditing.
- Provide information on data access correlating users, time, systems, queries/responses
- Provide the ability to search/pivot/analyze on specific behaviors and able to run scheduled or custom reports.
- Provide the ability to report on cross-platform and various types of databases.
- Able to provide centrally hosted role-based access control reporting and individual database server activities report
- Log all user activities (ex, create, insert, delete activities on a given database).
- Able to scale up to thousands of database server instances and centralized manage in one user-friendly intelligent dashboard.
- Smart agents able to record detailed SQL access and behaviors and send to Data Management Center for data computing, analytics, and report generation.

Flexible Integration Capability

- Able to integrate with Splunk, SIEM, ELK, Power BI, Nagios and many other enterprise monitoring tools.
- Able to integrate with existing access control technologies and environments, e.g., internal Active Directory, LDAP and IAM tools
- Able to provide integration capability with other tools (API, Secure notification capabilities that can traverse firewalls, ability to export/import reporting data).