

# DB CyberTech Security Solutions: Data Classification for Structured Data

## DATA CLASSIFICATION KEY BENEFITS

DB CyberTech enables privacy and security professionals to

- Automatically identify and monitor high value structured data
- Prevent loss of sensitive data
- Proactively manage compliance requirements for privacy, integrity, security, and access
- Efficiently respond to end user requests
- Demonstrate compliance to auditors

## HIGH VALUE DATA MAPPING

DB CyberTech non-intrusively and automatically discovers

- All structured data assets on the network, including undocumented databases
- All clients accessing databases
- All tables in each database
- All personal data stored or accessed

This information is updated in real time to generate a mapping of high value structured data stores that is

- Complete and accurate
- Provides simple, granular visibility
- Easily searched and exported

## Intelligent Classification and Continuous Monitoring of High-Value Structured Data



- Supports privacy and security professionals by non-intrusively and continuously classifying high value data in structured data stores and mapping the connectivity of databases with high value data to applications/clients.
- Supports security and incident response by identifying insider threats and external database attacks with purpose-built predictive detection & alerting of advanced attacks on database and insider threats using machine learning and behavioral analysis.

A growing variety of local, national, and international regulations require data owners to maintain an accurate inventory of their high value structured data. The same regulations require data owners to protect that data and impose heavy fines for regulatory violations. At the same time, malicious actors perpetually target high value data for theft.

For an effective security and compliance program, continuous visibility into an evolving landscape of structured data assets and the high value data stored in them is required. DB CyberTech solves this challenge by automatically decoding and understanding every conversation involving structured data.

DB CyberTech Security Solutions supports privacy and security professionals assembling and maintaining an inventory of high value structured data. We provide visibility to your entire database infrastructure and ferret out high value data in previously unknown databases. This is done by non-intrusively processing a copy of all database conversations. Deep protocol analysis identifies all assets on all databases, maps databases to their applications, and gathers database user behavior analytics (UBA). Then, intelligent data classification based on natural language processing extracts the meaning of each query and identifies where high value data resides. This inventory is kept up to date in real time, cleanly summarized, easily explored, and quickly exported from the solution.

## HIDDEN HIGH VALUE DATA

DB CyberTech's discovery capability

- Decodes database conversations of data in motion
- Goes beyond meta data inspection to comprehend the semantics of each query
- Decodes obscure and obfuscated references to high value data
- IP address agnostic – it does not rely on IP address or port numbers to identify databases

## CONTINUOUS MONITORING

DB CyberTech continuously monitors the network for any changes. This means

- No scanning
- Always up to date
- Complete (never misses a change)
- Time stamped for auditing and compliance
- Immediate notifications important changes and security threats via syslog
- Granular visibility for changes in databases, clients, applications, and **high value data**

## DB CyberTech Enables Key Requirements for Structured Data

Requirement	DB CyberTech Response
<b>Visibility:</b> Data owners must maintain an accurate an up to date inventory of high value structured data.	Non-intrusive, real-time data mapping and intelligent data classification provides complete and accurate inventory of high value structured data.
<b>Security:</b> Data owners must response to policy violation and implement effective change control.	Continuous monitoring or granular database behavior and access patterns coupled with a powerful, flexible, and easily extensible policy engine enables effective policy and change control.
<b>Threat Assessment:</b> Data owners must protect high value structured data from abuse and theft.	Predictive behavioral modeling gives you alerts of any potential breach resulting in high value data loss from structured data stores, before it happens.
<b>Risk Assessment:</b> Privacy and security professionals must be able to access the risk of storing and transmitting high value structured data.	Intelligent data classification enables you to assess the sensitivity and risk associated with any new data processing.
<b>Workload:</b> Enterprises need to focus on priority assets, threats, and attacks against their highest value data.	Non-intrusive intelligent data classification and real-time data mapping offers accurate identification of where high value data is stored, focusing the time and cost of monitoring and protecting it.

## Requirements and Specifications

### Supported Database Management Systems

Oracle server release 8i (8.1.7) or later  
Microsoft SQL Server version 7 or later  
SAP Sybase ASE version 12.5 or later  
IBM Db2 Mainframe (DSN)  
IBM Db2 LUW (SQL)

DB CyberTech Data Classification requires a DB CyberTech Discovery license.

**DB CyberTech**

15015 Avenue of Science :: Suite 150 :: San Diego, CA 92128  
www.dbcybertech.com