

# HOW IDERA PRODUCTS HELP ORGANIZATIONS COMPLY WITH GDPR

# INTRODUCTION

The General Data Protection Regulation (GDPR) will go into effect on May 25, 2018. It is intended to strengthen and unify data protection for all individuals within the EU and it also addresses the export of personal data outside the EU. GDPR aims primarily to give control back to citizens and residents over their personal data and to simplify the regulatory environment for international business. Many companies think that GDPR is just a European regulation. However, the regulation stretches globally as the scope of the EU data protection law extends to all foreign companies processing data of EU residents.

GDPR states that if you collect any of the below listed data on EU members you must comply with the regulation:

- Name
- Identification number
- Email address
- Online user identifier
- Social media posts
- Physical, physiological or genetic information
- Medical information
- Location
- Bank details
- IP address
- Cookies

Since this regulation has the potential to affect so many organizations, it is important to understand potential changes to be made to your company data policies in order to comply to the new protection standards. Of course understanding any new regulatory requirement can be challenging, as well as time-consuming and costly to implement and manage. In an effort to ease your burden, we at IDERA have identified the areas in which our products already help your data and processes comply to many of these guidelines. In this document, we provide a checklist conveniently laid out by GDPR guideline with the relevant IDERA product(s) so you can refer specifically to the product(s) you own or may be looking to own.

# SUMMARY

Below are general descriptions of how IDERA products help organizations prepare for GDPR:

- **DB Change Manager** - Masking of sensitive data during syncing
- **ER/Studio Business Architect** - Model all of the Business Processes surrounding your implementation of GDPR policies
- **ER/Studio Data Architect (standard & Professional editions)** - Define GDPR (or other governance) metadata characteristics as Security parameters (attachments) in a data dictionary
- **ER/Studio Enterprise Team Edition** - All characteristics defined in Data Architect and Business Architect are published to Team Server; additional associations/links can also be created in Team Server
- **Free Tools** - A variety of tools offer helpful features (see each listed by given cited article)
- **SQL Admin Toolset** - A variety of tools are available (see each listed by given cited article)
- **SQL Compliance Manager** - Audit and report on data, including how it is accessed, reported and breached
- **SQL Doctor** - Stored recommendations for disaster recovery and other security measures
- **SQL Inventory Manager** - Discovery of unknown servers, ensure that servers are patched and maintain an inventory of patch level for servers
- **SQL Safe Backup** - Accessibility, encryption and storage of backup data and restore policies
- **SQL Secure** - Audit the compliance of SQL Servers to enforce server hardening and privacy/encryption standards, and control who has access permissions

## The IDERA Product to Use

## How It Helps You Comply

### Article 12 : Transparency of Data Protection Policies

ER/Studio Data Architect Professional  
and Enterprise Team Edition

Publish and share the modeled processes  
with the repository

ER/Studio Business Architect

Model the Business Processes for the  
data protection policies

### Article 13 : Transparency of How Data is Collected

ER/Studio Data Architect Professional  
and Enterprise Team Edition

Model the Business Processes for the  
data protection policies

ER/Studio Business Architect

Publish and share the modeled processes  
using the repository

SQL Compliance Manager

Audit and report on data and how  
it was accessed

### Article 14 : Transparency of When Personal Data is Not Collected

ER/Studio Business Architect

Model the Business Processes for the  
data protection policies

ER/Studio Data Architect Professional  
and Enterprise Team Edition

Publish and share the modeled processes  
using the repository

## The IDERA Product to Use

## How It Helps You Comply

### Article 15 : Control Accessibility (who is accessing data and how)

ER/Studio Data Architect	Specify data access permissions for tables (in addition to the security parameters)
SQL Admin Toolset	View (missing) logins and synchronize logins with SQL Login Copy. Create new logins by using existing logins as templates with User Clone
Free Tool - SQL Permissions Extractor	Extract and migrate user permissions
SQL Safe Backup	Does not look at any data within the database. Asks SQL Server to perform backup and restore operations. Consequently, SQL Server is the only application that interacts with the data
SQL Secure	View and configure policies around server principals, users, roles, etc. to ensure that least privilege access is maintained

### Article 15 : Minimize Extent of Processing Data

SQL Safe Backup	Select any combination of files and folders to be excluded from the continuous data protection policy. Add advanced rules using patterns to exclude only certain file types
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### Article 15 : Minimize Storage Period of Data

ER/Studio Data Architect	Set up attachments to define retention policy
SQL Safe Backup	Backup of databases (which contain personal data) can be purged per a schedule through the use of backup policies

## The IDERA Product to Use

## How It Helps You Comply

### Article 15 : Safeguards for Control Management

ER/Studio Data Architect	Set up properties (as attachments) for desired control parameters
SQL Admin Toolset	SQL Password Checker: Check the strength of SQL Server passwords
SQL Doctor	Security recommendation category: Identifies non-optimal security settings on the SQL Server instance
SQL Secure	Check servers for dozens of security best practices and hardening techniques, including user permission checks

### Article 30 : Maintain an Audit Record of Processing Personal Data

SQL Compliance Manager	Maintains continuous auditing of servers and databases including security, DDL, and DML plus sensitive data
SQL Safe Backup	Each time a task (backup, restore, or merge) is performed, log information on what database and database files were involved, and to where data was backed up or restored

### Article 30 : Monitor Access to Processing Systems

SQL Compliance Manager	Audits security and login attempts
SQL Secure	Audits server roles, users, and principals, as well as server configurations and security settings

## The IDERA Product to Use

## How It Helps You Comply

### Article 32 : Pseudonymize Sensitive Data

DB Change Manager

Mask your data when syncing the data

ER/Studio Data Architect

Use attachments to identify data elements that require masking, obfuscation

SQL Secure

Configure policies on what data should be masked

### Article 32 : Encrypt Sensitive Data

DB Change Manager

Mask your data when syncing the data

ER/Studio Data Architect

Use attachments to identify data elements that require encryption

Free Tool - Powershell Scripts for SQL Server

Scripts for Reporting Services to backup and restore encryption keys

SQL Safe Backup

Backups of databases (which contain personal data) can be encrypted at the time of its creation. Encrypt using AES 256 encryption of the data as it is written to disk

SQL Secure

Configure policies on the data that should be encrypted. Identify when database backups are not encrypted

## The IDERA Product to Use

## How It Helps You Comply

### Article 32 : Restore Data in the Event of an Incident

SQL Admin Toolset

Backup Status - while it does not provide the ability to restore data, it does check whether you have a backup

Free Tool - Backup Status Reporter

Displays SQL Server backup history

SQL Doctor

Disaster Recovery recommendation category: Detects any database and transaction log backup issues such as failures or skips, overdue integrity checks, and corruption issues

Free Tool - Powershell Scripts for SQL Server

Scripts for Analysis Services to backup databases, remove old backups, and restore a database

SQL Safe Backup

Restore backups using conventional and advanced techniques

### Article 32 : Access Data in the Event of an Incident

SQL Safe Backup

Virtual database for instant access to backups

### Article 32 : Provide Process for Testing Security Measures

ER/Studio Business Architect

Model and test processes and responsibilities



## The IDERA Product to Use

## How It Helps You Comply

### Article 32 : Provide Process for Assessing Effectiveness of Security

ER/Studio Business Architect

Model the assessment process and responsibilities

### Article 33: Detect Breaches

Free Tool - SQL Column Search

Searches for common sensitive column name definitions or custom column name search criteria to find potentially sensitive data

SQL Compliance Manager

Set up alerts on databases, sensitive data and privileged users to see who, what and when data is accessed

### Article 33 : Describe Measures to Assess Breach

ER/Studio Business Architect

Model the assessment process and responsibilities

### Article 35 : Describe Processing Operations, Including Necessity and Proportionality

ER/Studio Business Architect

Define/Model the business processes linking to the data structures and specify CRUD

SQL Admin Toolset

SQL Discovery - Discover SQL Servers that may be flying under the radar. Inventory Reporter - Inventory SQL Servers

Free Tool - SQL Instance Check

Discover instances on your network and check for version updates

SQL Inventory Manager

Discover SQL Servers that may be flying under the cover. Inventory and monitor SQL Servers to keep track of relevant metadata about the servers

## The IDERA Product to Use

## How It Helps You Comply

### Article 35 : Assess Risks Associated With Processing

ER/Studio Business Architect

Model the assessment processes and responsibilities

### Article 35 : Apply Measures to Address Risks and Protect Personal Data

SQL Safe Backup

Backups of databases (which contain personal data) can be encrypted at the time of its creation

### Article 35 : Demonstrate Compliance With GDPR

ER/Studio Business Architect

Publication of the models and associated data dictionary metadata show the steps that are being taken to address and communicate GDPR requirements within the organization

ER/Studio Data Architect

Documentation of the metadata in the product shows that steps are being taken to address GDPR requirements

SQL Compliance Manager

Show reports of elements being monitored

IDERA understands that IT doesn't run on the network – it runs on the data and databases that power your business. That's why we design our products with the database as the nucleus of your IT universe.

Our database lifecycle management solutions allow database and IT professionals to design, monitor and manage data systems with complete confidence, whether in the cloud or on-premises.

We offer a diverse portfolio of free tools and educational resources to help you do more with less while giving you the knowledge to deliver even more than you did yesterday.

**Whatever your need, IDERA has a solution.**

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