TECHNOLOG

Data At Rest Encryption

for UtiliCore (WaterCore & GasCore)

Technolog is the leading provider of end to end solutions delivering reliable, repeatable and relevant data to UK Gas and Water Utilities. A key part of this is the operability, availability and security of data on our UtiliCore web portals - WaterCore and GasCore. Technolog has made significant investments in cyber security, with enhanced features such as Encryption at Rest for UtiliCore.

Data encryption adds capabilities to further secure GasCore and WaterCore backend systems including databases, caches and configuration.

DATA AT-REST

FDE

Servers & Data Bases

File Encryption

Mobile Devices

Going beyond 'data in transit' encryption further secures your WaterCore and Gascore deployment. In line with the networks and information systems directive (NISD) and the national cyber security councils (NSCS) cyber assessment framework (CAF) recommendations.
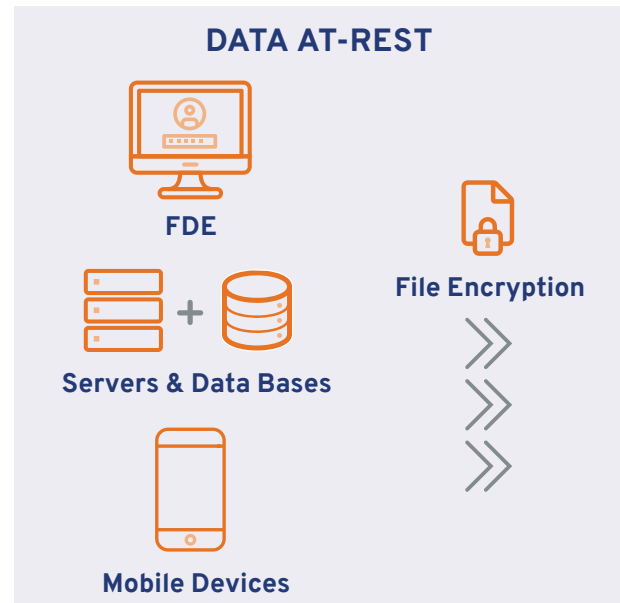
Key Features

- Microsoft SQL database encrypted using transparent data encryption (TDE)
- Cache and configuration files encrypted using Microsoft Encrypted File System
- ManageEngine key management solution to manage certificate lifecycle and securely store certificates
- AES 256 Certificates used to securely encrypt data
- Transparent to end user experience
- Limited overheads to platform

Features Chart

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	UtiliCore Data at Rest Encryption Feature Packs	
	Standard (Data in transit encryption)	Premium (Encryption at rest)
IN TRANSIT ENCRYPTION		
Encryption in Transit - WaterCore /GasCore	✓	✓
Encryption in Transit - API	✓	✓
AT REST ENCRYPTION		
Encryption at Rest - Database TDE		✓
Encryption at Rest - Data Caches & temporary files		✓
Encryption at rest - Configuration files		✓
Secured certificate management repository		✓