

Why z14 for GDPR ?



The General Data Protection Regulation (GDPR) seeks to create a harmonised data protection framework across the EU. And it aims to give individuals greater control of their personal data, whilst imposing strict rules on those hosting and processing this data, anywhere in the world. The regulation also introduces rules relating to the free movement of personal data within and outside the EU.

The market reality

Individuals are increasingly data savvy and:

- Understand how brands use their data for sales and marketing purposes
- Are aware of their rights with regard to their personal data
- Are concerned about the well-publicised threat of cyber data theft

Many organisations are concerned about the potential significant financial penalties the regulation can bring and the associated risk to lost reputation and trust. Companies should align organisation, processes and IT technologies with GDPR requirements before May 2018.

The IBM solution

IBM® Z® Pervasive Encryption with z14™ is ideally positioned to assist your organisation for your GDPR preparation. The reason—IBM z14 offers security by design to help protect, secure and audit data.

Simplifying and reducing the cost of encryption

GDPR regulation require all breaches to be reported to the Data Protection Commissioner, typically within 72 hours, unless the data was anonymized or encrypted. IBM Z Pervasive Encryption provides the comprehensive data protection your organisation and your customers demand at reduced cost.

- It can be implemented using policy-based controls with low overhead; IBM z/OS® and Linux on z Systems® provide transparent encryption of data at rest.
- IBM z14 is designed to deliver a new level of encryption performance with enhanced CP Assist for Cryptographic Functions (CPACF), Crypto Express6S card and centralized secure keys management system.

Implementing an efficient security intelligence

IBM offers a portfolio of security solutions that could be deployed with IBM Z Pervasive Encryption to cover a broader scope of security.

- **Privileged identity management.** IBM RACF®, IBM Multi-Factor Authentication for z/OS and IBM Security Identity Governance and Intelligence allow you to govern, protect and audit users with elevated privileges.
- **Sensitive data protection.** IBM Security Guardium® and IBM Security Key Lifecycle Manager, along with z Systems Pervasive Encryption, help defend and protect critical assets with encryption and intelligent data monitoring.
- **Integrated security intelligence.** IBM Security QRadar® and IBM Security zSecure™ Suite correlate huge amounts of security data to uncover patterns of unusual activity. Then, they use real-time alerts to focus on the most critical security threats.

The IBM value proposition

IBM Z Pervasive Encryption with z14 can help you initiate a paradigm shift from selective encryption to pervasive encryption by initiating automatic, policy-driven data protection using encryption that is transparent to applications. As a result, you can have the ability to:

- Accelerate the development of GDPR protocols on IBM Z
- Reduce risks from undiscovered or misclassified sensitive data
- Manage organisation reputation relating to data breach exposure
- Minimize the risk for hackers to identify your sensitive data

How to move forward

IBM has extensive experience with high transaction volume data and infrastructure security. You can take advantage of this IBM expertise to:

- Arrange an IBM z14 workshop, including presentations and demonstrations of deploying solutions on the new technology
- Arrange a workshop to determine how the IBM Z Pervasive Encryption solution on IBM z14 infrastructure could accelerate your GDPR preparation
- Engage IBM for in-depth security workshops including a mainframe security controls review, IBM security maturity workshop, or EAGLE IT security assessment.
- Learn more at these web sites:
 - IBM Z Enterprise Security: ibm.co/2pEqgBs
 - IBM Security Solutions: ibm.co/2p6dTIj

