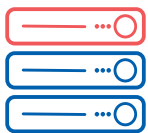


PK Encrypt for Z

Solution Overview: Secure Z Systems Data and Reduce Resource Demands with PK Encrypt for Z

Mainframe computing systems were once considered relatively safe from cyberattacks, but threats to these critically important business assets are becoming more prevalent and more serious every day.

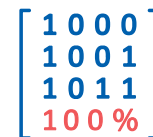
Protecting customer information and intellectual property housed in mainframes is more important than ever, but many mainframe encryption solutions only protect a subset of data types or apply to limited use cases, and often create performance issues.



LOCATE
DATA



ENCRYPT
IT



PROTECT
IT ALL

Smart Encryption for Z Systems

PK Encrypt for Z is different. Providing data-level encryption for IBM Z systems mainframes, PK Encrypt for Z is the most flexible, high-performance Z systems encryption solution available today.

PK Encrypt for Z safeguards both structured and unstructured data, gives customers the option to embed encryption directly into their applications, and can secure mainframe databases with field-level, length-preserving encryption.

PKWARE's innovative Smartkey technology automatically generates, synchronizes, and exchanges encryption keys according to your organization's security policies, making the process automatic for end users. Keys can be stored in purpose-built hardware security modules on Z systems hardware, and are also interoperable with third-party-dedicated key management appliances.

Solution Summary

Build your foundation for business-sensitive data management and privacy protection

- Persistent data-level encryption for structured and unstructured mainframe data
- Compatible with all Z system operating systems including z/OS and Linux on Z systems
- Files are compressed prior to encryption, reducing data volumes
- Protected data can be accessed by authorized users on any enterprise computing platform

Benefits

- Meet service-level agreements for data security and data transmission
- Eliminate the negative consequences of a data breach, whether the breach occurs on the mainframe or elsewhere
- Meet industry and governmental compliance mandates for data protection
- Lower IT infrastructure costs across every platform with a single solution for encrypting and compressing data

PK Protect: Automate enterprise-wide location and monitoring of sensitive data, identity creation, data classification, and policy-based data protection techniques ensuring complete privacy for individuals and protection of organizational personal data vulnerabilities.



PK discovery



PK classification



PK masking



PK encryption



PK privacy

PK Encrypt for Z

PK Encrypt for Z can encrypt and decrypt data on all major enterprise computing platforms, including z/OS, Linux on Z systems, x86, IBM i, AIX, Solaris, HP-UX, and Windows.

Z Systems Challenges	PK Encrypt for Z Solutions
<p>Concentrations of sensitive data Mainframes handle massive volumes of transactional data and other critically important information, the theft of which could permanently damage a company's reputation and ability to compete.</p>	<p>PK Encrypt for Z applies strong encryption to structured and unstructured data, ensuring that only authorized users can access the data, even in the event of a security breach.</p>
<p>Data exchange outside the mainframe Organizations often need to transfer sensitive information from their mainframe systems to file servers, desktops, or external business partners, creating multiple opportunities for data to be stolen or mishandled.</p>	<p>Only PK Encrypt for Z provides persistent, data-level encryption that travels with data wherever it is used, shared, or stored. PK Encrypt for Z's cross-platform operability allows authorized users to access protected data on any enterprise operating system.</p>
<p>Increased data management costs Enterprise data volumes are expanding at exponential rates, straining IT resources and driving high costs for data storage and data transmission.</p>	<p>PK Encrypt for Z uses PKWARE's industry-best compression technology, reducing file sizes by up to 95% before encryption. Costs for storing and transmitting encrypted data are dramatically reduced.</p>
<p>Resource-intensive encryption Many non-native mainframe encryption solutions consume excessive amounts of mainframe computing resources.</p>	<p>PK Encrypt for Z exploits the z/OS Integrated Cryptographic Services Facility, allowing for faster and more efficient encryption and decryption processing.</p>
<p>Key management complexities Large organizations face significant challenges in creating, synchronizing, and exchanging encryption keys, especially when exchanging data with external partners.</p>	<p>PKWARE's PK Encrypt for Z technology automates key management activities such as key generation, synchronization, and exchange.</p> <p>PK Encrypt for Z also includes an automated interface for retrieving public keys from LDAP-compliant directories, greatly increasing the ease of use of public keys for encryption in Z systems processing.</p>

Start by Discovering Data Across the Enterprise

PKWARE offers the only data discovery and protection solution that locates and secures sensitive data to minimize organizational risks and costs, regardless of device or environment. Our ultra-efficient, scalable software is simple to use on a broad range of data types and repositories, enabling precise, automated visibility and control of personal data, even in the fastest-moving, most complex IT environments. With more than 1,200 customers, including many of the world's largest financial institutions, retailers, healthcare organizations, and government agencies, PKWARE continues to innovate as an award-winning global leader in data discovery, security, and compliance. To learn more, visit PKWARE.com.

“PKWARE has provided extreme security for our files.”

Litigation Support Specialist
State and Local Government

Ready To See It Live? Contact Us!



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