

Securing IBM® Mainframe Applications with Ingrian®

OVERVIEW: The Ingrian mainframe solution allows customers to encrypt sensitive information in z/OS environments leveraging Ingrian’s enterprise key management. The core benefits include security, performance, flexibility, manageability, and availability.

Ingrian Application Integration

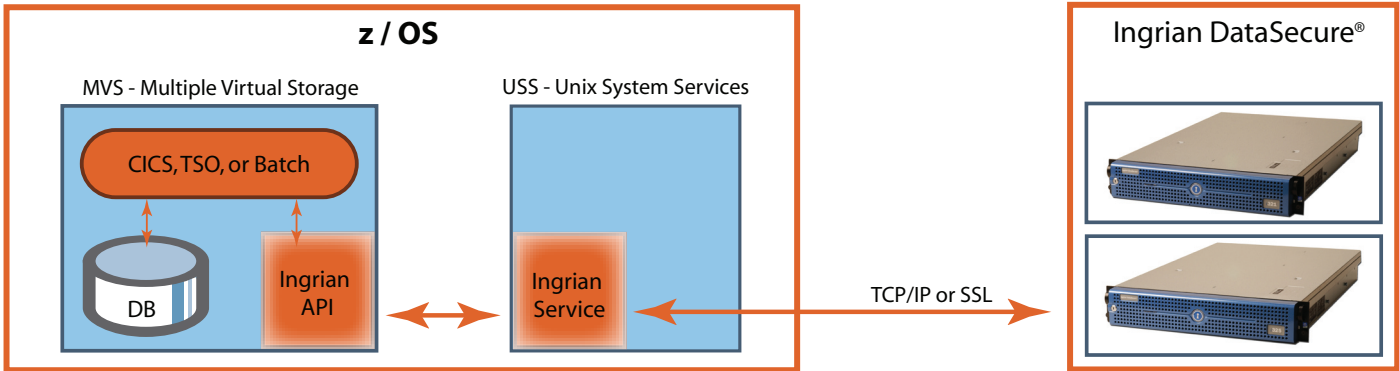
The Ingrian mainframe solution consists of 3 parts:

- + An Ingrian API
- + Ingrian Service
- + Ingrian DataSecure® hardware appliance.

From a CICS, TSO, or Batch environment a customer can call into the Ingrian API to encrypt and decrypt information as required. The Ingrian API can be called from any programming language that follows the Standard (MVS) program linkage conventions. The Ingrian API makes a request to the Ingrian Service running under Unix System Services (USS). The Ingrian Service then forwards the request over TCP/IP or SSL to an Ingrian DataSecure appliance that is available on the network. The DataSecure appliance which holds the encryption key securely encrypts or decrypts based on the request and sends the response back to the mainframe. Through the Ingrian API the calling application can encrypt or decrypt any type of data.

Ingrian ETL Utility

The Ingrian ETL Utility runs under z/OS and can be used to encrypt/decrypt in bulk specific fields within flat files. These fields may be credit card numbers, social security numbers, email addresses, etc. The file itself may be positional or delimited and can contain millions of records. Customers can use this utility to move large amounts of sensitive data in and out of data stores by encrypting/decrypting the data at extremely fast rates. For example, if 50 million credit card numbers need to be extracted from DB2 and sent to another system in a decrypted form, the Ingrian ETL Utility would be the ideal utility to perform the decryption efficiently. Additionally, the Ingrian ETL Utility has the capability to encrypt entire binary files for situations where customers do not require field level granularity for protecting data.



ABOUT INGRIAN NETWORKS: Ingrian Networks brings complete data privacy and key management to the enterprise. With Ingrian DataSecure Platforms, organizations can protect critical data from both internal and external threats, and ensure compliance with legislative and policy mandates for security. DataSecure features a dedicated security appliance and specialized software that enables organizations to encrypt critical data in applications, databases and file servers. With its capabilities for granular encryption, seamless integration, and centralized key and policy management, DataSecure enables organizations to guard against a range of security threats, with unparalleled ease and cost effectiveness. For more information, visit www.ingrian.com.

Ingrian Networks Inc.
350 Convention Way
Redwood City, CA 94063
650.261.2400
866.INGRIAN
www.ingrian.com