

Kiuru VE MSSP Release 4

Product Fact Sheet

v1.0

Product Description

Kiuru MSSP is a Mobile Signature Service (MSS) platform. *Kiuru MSSP* provides mobile signature service functionality for applications and operators to establish open, standard based and secure channel between end users and business applications.

Kiuru MSSP VE (Verifying Entity) is a specialized platform for validating signatures. It enables you to manage the circle of trust your applications are comfortable with.

Key Features

PKI Signature Validation

Kiuru MSSP VE validates mobile signatures. Signature traffic is routed through the VE system, and on the way back to the application, the VE validates the mobile signature. In large MSS networks, applications can not directly trust all the HMSSP systems. VE systems are designed to manage the trust relationships to a number of HMSSP and CA systems, which allows for applications to offload the costs of maintaining the trust relationships to a single centralized point.

DSS Validation Service

In addition to validating mobile signatures as an MSS additional service, *Kiuru MSSP VE* includes a separate DSS SOAP interface which allows applications to validate certificates or signatures on-demand.

Manage Your Circle of Trust

Kiuru MSSP VE provides fine-grained controls over who to trust. Applications often need to define which CAs or even which individual certificates they can trust. Additionally, they occasionally need to override the certificate and revocation data originating from a CA, and a centralized VE system makes this kind of sensitive data easy to manage.

Environment

Operating Environment

Kiuru HomeMSSP is a Java 6 server application. Supported server platforms are Linux and Sun Solaris. Extending the platform support requires existence of Mozilla NSS for that platform.

Performance

Throughput for signature transactions is up to 80 txn/s on x86 hardware, depending on the used routing scenario.

Configuration and Databases

Kiuru HomeMSSP uses a single configuration folder for overall system configuration. Supported databases are PostgreSQL 9, and Oracle 10g.

Security

Kiuru HomeMSSP supports SSL connections for all services. SSL certificates and certificate revocation lists can be managed without service breaks.

Routing

Kiuru HomeMSSP provides flexible rule-based SOAP routing. Routing can be done based on signature message elements or external routing services like number portability.

Audit Logging and Monitoring

Kiuru HomeMSSP reporting tool provides remote audit logging. Open audit log interface is based on JDBC. System monitoring is based on SNMP. All MSSP interfaces and routing rules can be monitored.

Standards

PKI

Kiuru HomeMSSP includes a component for signature validation as per RFC 3280/5280. Signature validation is done on FIPS 140 certified validation module. Proof-of-Possession (PKCS#10) and validation additional services are supported.

Kiuru HomeMSSP PKI features include CA connectivity with LDAP(S) and HTTP(S) for CRL checking and signature verification as per RFC 3280/5280.

ETSI M-COMM Standards

Kiuru HomeMSSP supports all functions of ETSI TS 102 204. Both synchronous and asynchronous messaging-modes for signature requests are supported.

Kiuru HomeMSSP transaction roaming is fully compatible with ETSI TS 102 207. *Kiuru HomeMSSP* is fully compliant with the FiCom recommendations and extensions.

About Methics

Methics Oy is a privately held consulting company specialized in subscriber management and data communication infrastructure development for security, service management and business intelligence. The company offers Java technology based software products under Kiuru-trademark. Kiuru products provide open standard based services for service provisioning and mobile signature services.