

## Kiuru RE MSSP Release 5

### Product Fact Sheet

v1.2

### Product Description

*Kiuru RE MSSP* is a Mobile Signature Service (MSS) platform. *Kiuru RE 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 RE MSSP* provides connectivity to foreign or otherwise remote MSSP systems. Additionally, it is a platform for running additional services on top of the basic Mobile Signature Service.

### Key Features

#### Mesh Connectivity

*Kiuru RE MSSP* routes MSS signature requests from AEs to remote MSSP systems, including other RE systems or Home MSSPs, according to the ETSI TS 102 207 standard. MSS networks are partially connected meshes, and your nodes need not be able to access all the other nodes in a large network.

#### Number Portability

*Kiuru RE MSSP* can access national number portability systems via a number of protocols to determine the HomeMSSP of the mobile user.

#### Interoperability

*Kiuru RE MSSP* includes an interoperability layer to work with the MSSP systems from a variety of MSSP vendors. Despite the ETSI TS 102 207 standard, there are specific quirks in SSL and SOAP header implementations. *Kiuru RE MSSP* handles these details for you.

#### High Availability Setup

*Kiuru RE MSSP* can improve the availability of remote systems by automatically attempting to reroute messages via another route if one route is down.

#### Platform for Additional Services

*Kiuru RE MSSP* provides a platform for integrating additional services to the MSS network. This includes the standard PKI additional services specified by ETSI (time-stamping, archiving) as well as advanced CAdES and XAdES functions and identifying the mobile user in more detail, using the SAML2 protocol to ask for and to receive personal information about the end user.

### Environment

#### Operating Environment

*Kiuru RE MSSP* is a Java 7 server application. Supported server platforms are various Linux distributions. Extending the platform support requires existence of Mozilla NSS for that platform.

#### Configuration and Databases

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

#### Performance

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

#### Security

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

#### Routing

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

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

*Kiuru RE MSSP* transaction roaming is fully compatible with ETSI TS 102 207. *Kiuru RE MSSP* 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.