Kiuru ME MSSP Release 5

Product Fact Sheet   v1.0

Kiuru Management Entity (ME) MSSP provides secure service management functionality for a Kiuru Mobile Signature Service (MSS) platform. Kiuru ME MSSP provides MReg and SPML2 interfaces for service and account management and CA interface for certificate management.

Kiuru ME MSSP integrates with Registration Authorities who provide MSS registration services to end-users or corporate services. Kiuru ME MSSP also supports command line tools (Kiuru AdminCLI) for direct MSS platform management.

Key Features

Tenants

MSS service account administration can be divided between different Tenants, each of which can manage their own "silo" of MobileUser, SIM card and Application Provider accounts. This way the service provider can grant limited administration access to its customers.

Namespaces

Kiuru ME MSSP supports multiple namespaces for MReg management operations. Each namespace can define a different registration process or account lifecycle, or support a specific type of WPKI client.

Operations Categories

Through MReg, Kiuru ME MSSP offers an interface for lifecycle management operations for different account types in the MSS system. These include MobileUser accounts, SIM card records, Application Provider accounts, tenant accounts, administration access rights, etc.

REST Admin API

Combining Kiuru ME MSSP with Kiuru REST API enables service management operations using simple JSON messages. There is no need to use any XML tools. Kiuru REST Admin API introduces a UseCase mechanism for creating your own provisioning and registration procedures using existing MReg operations.

Registration Log

All MReg operations performed by Kiuru ME MSSP are logged into the database for later retrieval. Kiuru ME MSSP offers search functionality for fetching past management operations, and clean-up tools for clearing old and obsolete records periodically.

Integration

Kiuru ME MSSP provides multiple open integration points. All MSSP data sources can be external, routing rules can access JDBC, LDAP and HTTP data sources and all external MSSP interfaces are based on open standards. CMP (RFC 4210) with CRMF (RFC 4211) and PKCS#10 over http are supported for certificate signing/revocation requests.

Signature Validation

ME MSSP includes the same validator engine as all MSSP roles. Therefore, MSSP can validate signatures as using PKIX CRLs (RFC 5280) or use external OCSP services.

Key Management

Kiuru ME MSSP system exports automatically public key material (X.509 certificates) in XML format and you can monitor validity periods and share this material with your partners. Additionally you can use the same tools to import your partner's key material into the MSSP.

Modular Software and Additional Modules

Kiuru ME MSSP has the same flexible module architecture as Servlet engines. You can include new binary modules and use them in your configuration.

Environment

Operating Environment

Kiuru ME MSSP is a Java 8 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 ME MSSP uses a single configuration folder for overall system configuration. Supported databases are PostgreSQL 9 and Oracle 10g.

Security

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

Routing

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

About Methics

Methics Oy offers Java technology based software products under Kiuru- and Alauda-trademarks. Kiuru products provide open standard based services for service provisioning and mobile signature services.