

Primus HSM REST API and TSB Training

Setup & Usage of REST API and Transaction Security Broker

Description

The course is a “hands-on” workshop, which covers the basics of deploying the REST API and Transaction Security Broker (TSB) and connecting it to Primus HSM or CloudsHSM and perform cryptographic operations with it.

Note, that a difference between REST API and TSB is merely in license and approval orchestration functionality.

Contents

- Architecture and deployment
- Setting up and using approval keys
- API endpoints hands-on walkthrough
- Using Internal Securosys TSB Demo for TSB testing

Details

Audience: Application engineers, HSM integrators / consultants

Prerequisites: Experience with JSON format / Basic knowledge of HSM application / Completion of Technical Sales Partner Training course recommended

Duration: 2 hours

Language: English

Audience: Technical Pre-Sales, Field Application Engineers

Participants: Up to 6 (on-site/online)

Location: Classroom (Securosys SA in Zürich, Switzerland) or Webinar (teacher-based, see remote training preparations below)

Remote Training Preparations

Due to the high practical focus of the training, it is necessary that the participants have access to a Primus HSM partition in the cloud or on-premise with enabled JCE API.

Please make sure that you have the following infrastructure, setup, documentation and software ready **before the training starts**:

- One (1) configured user partitions on Primus HSM (cluster) and TSB on-premises deployment or CloudsHSM.
For training purposes Securosys may provide temporary access to Training/Developer HSMs, reachable over the Internet
 - JCE API, REST API, TSB licenses installed
 - JCE API, REST API, Workflow Engine enabled on the partition
 - On-prem TSB container deployed
- HSM connection details and credentials: DNS/IP, Port, User names, and valid Setup Passwords (Note: Setup Password has limited lifetime!)
- Laptop with openssl
 - Zoom Client App installed for web-conference (presentations, remote control)
<https://zoom.us/download?os=linux>
 - Headset or audio input-/output-device
- Stable Network/Internet connection (2Mbps+) and access:
 - for Zoom conference
 - to Securosys Support Portal, <https://support.securosys.ch>
(User Guide, Application Notes and Provider software)
 - to Linux repositories to install additional packages (p11-kit, OpenSC, p11-tools)
 - to your HSMs, CloudsHSM or Securosys remote Training/Developer HSMs

Please verify that your infrastructure is working properly before the training.