

E-LOCK WEB SERVICE

Super Signer SDK (Web service) – API components for digital signing

E-Lock SuperSigner SDK is a PKCS#7 compliant solution, which can be integrated with any third-party application for digital signing and encryption. SuperSigner SDK supports silent signing, multiple signatures, trusted third-party time stamping and embedded digital signature in the PDF and PDF/A files in Adobe compatible format, which can be verified through Adobe Reader. It allows signing at the server end using HSM (Hardware Security Module) or PFX file.

Features:

- Sign using PFX, HSM or Tokens
- Supports HSMs with standard PKCS#11 drivers, as well as those with JCE providers
- Supports embedded PDF/PDF/A signing in Adobe-compatible way
- Adobe-compatible third-party time stamping support
- REST as well as SOAP based APIs provided
- A flexible combination of Profiles and Request parameters for defining signature placement and signature block content
- Very stable and high performance
- No database, so can easily be put in high availability configuration

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Web service- Signing flow

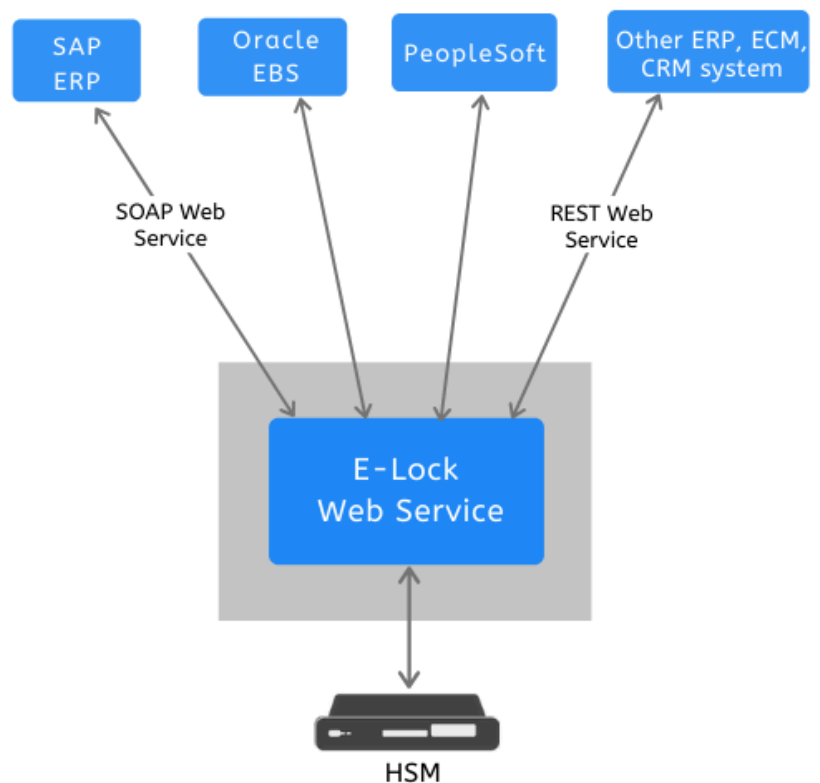
- Apache Tomcat web server is installed and configured at customer's premises
- E-Lock web service is deployed on this Tomcat web server
- E-Lock web service communicates with the HSM client installed on the same server or with the PFX file installed on the same server
- The customer application makes a call to the E-Lock web service for getting the files signed
- As soon as the web service is invoked by the respective application and the pre-defined parameters passed to the service, it will communicate with HSM/ document signer and get the data signed.
- The web service requires PDF file / base64 encoded string of the PDF file as input and it will return the signed base64 encoded string in response.
- This response can be utilized by the customer's application as per the customer's business policies

Use Cases

- Invoices, PO's, Reports
- HR documents
- Contracts, Agreements, MOU's
- e-procurement, e-tendering
- Insurance policies, financial documents
- Online authentication

We also provide

- Data signing
- XML signing
- Encryption / Decryption



Server pre-requisites

- Java 8
- Apache Tomcat web server 9
- Root / Admin access (To copy, edit & delete E-Lock configuration files)
- Team Viewer 12 / AnyDesk (For remote Access)
- WinSCP & Putty (Only if server is Linux)

About E-Lock

E-Lock is a pioneer in the field of PKI based digital signing solutions. We offer a strong suite of PKI based signature solutions for businesses and individuals consisting of online platform, stand alone solutions and middle-ware solutions.

We have provided solutions to several mission critical applications across various verticals like Government, Banking & Financial Services, Manufacturing, Healthcare & Telecom. Our solutions are compliant with most of the electronic signature laws across all countries.

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