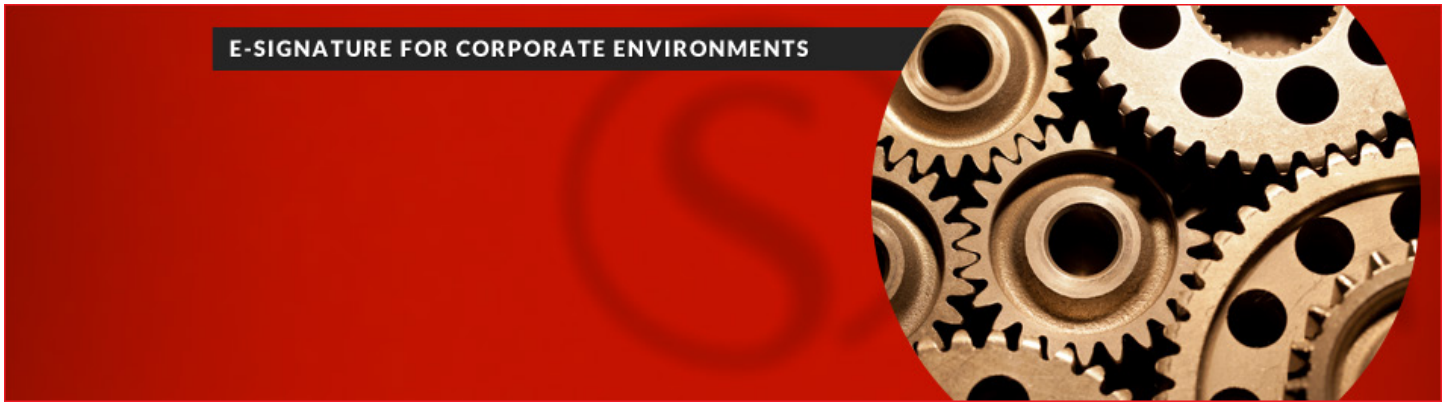


TrustedX

Watched Folders

Description

TrustedX module for managing watched folders:

- The low cost and quick set up of watched folder integration makes it ideal for many environments.
- Network folder content is monitored and a series of signature actions is executed on the files copied to these folders.
- Processed files are put in an outgoing folder, along with a results report.
- Watched folders are suitable for end users and applications.

Benefits

Centralized management and control

- Multiple folders supported. Specific actions can be defined for each folder.
- Centralized defining of the users and applications that may access each folder.
- Centralized management of keys and certificates in a secure store.
- Logging of each signed document for subsequent auditing.

Simplified signature integration

- Both users and applications can use the watched network folders for document and batch signing.
- Users and applications simply access the folders to perform signature operations.
- Supports all signature operations. E.g., signing documents, verifying signatures, including time-stamps.
- All formats supported: signs PDF (PAdES), XML (XAdES), email (S/MIME) and generic (CAdES) documents.

User friendly and cost savings

- No installing of components in user stations. Signing is as straightforward as copying and pasting to a network folder.
- Does not require integrating APIs or programming PKI and key management functions. Documents are signed automatically when the files are sent to the server.
- Easy to use. As it can be managed from the one console, training and system maintenance costs are reduced.

Reliability and high performance

- Supports configurations with large numbers of users/ applications and documents. Ideal for batch signature processing.
- The centralized system with an HSM FIPS 140-2 Level 3 provides a higher level of security and key protection.

TrustedX

Watched Folders

Functions

The watched folders management module means users and applications can use network folders for starting automatic signature processes for one or more files.

Centralized management

- Centralized configuration of which folders are watched for signature processes.
- Independent configuration of the process and signature characteristics for each folder.

Folder management

- Multiple watched folders supported. E.g., folders are allocated to different applications requiring different processes.
- Dynamic watched folders supported, which greatly simplifies folder management. Instead of multiple static folders, one single dynamic folder with selectors is created.
- Priorities can be associated in folder watching and, therefore, in the execution of the signature processes.
- SMB/CIFS and NFS network folders are supported.

High performance

- Multiple TrustedX appliances can be configured to work in unison in a cluster for processing the files in the watched folders.
- Multiple appliances and selector and priority settings allow creating high performance configurations to serve large numbers of users and applications.

Security and trust

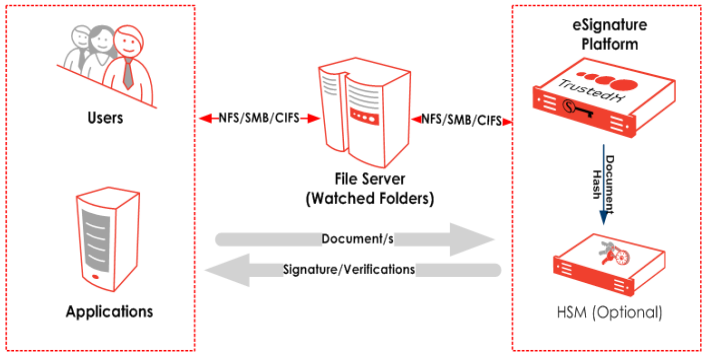
- Security relies jointly on the system administrator and the corporate network as it depends on the user and application privileges assigned to the watched folders.
- Folder access events must match the signature event in the manual or automatic (unified log system) audit process.
- The centralized system with an HSM FIPS 140-2 Level 3 provides a higher level of security and key protection.

Solution scalability

- The watched folders module is an optional integration component of the TrustedX eSignature Platform.

Architecture

The following figure illustrates the watched folders as part of the complete TrustedX e Signaturesolution. The HSM shown in the figure is optional.



Technical specifications

- **Format:** Hardware appliance or virtual appliance. Contact Safelayer for more information.
- **Supported network file systems:** SMB/CIFS and NFS.
- **Event monitoring:** Simple Network Management Protocol (SNMP).
- **Digital envelope standards:** PKCS #7, IETF CMS, ETSI EN 319 122 - CAdES, W3C XML-DSig, W3C XML-Enc, ETSI EN 319 132 - XAdES, Signature for PDF documents (IETF), S/MIME and ETSI EN 319 142 - PAdES.
- **Digital time-stamping support:** IETF TSP – RFC 3161.
- **Verification of digital certificate status:** Using CRLs, IETF OCSP protocol and customized mechanisms.
- **Database and directory access:** Oracle, Microsoft SQL Server and MySQL. LDAP directory access protocol.
- **HSM support:** PKCS #11 devices approved by Safelayer.

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