# E-Lock BulkSigner

Automated, Server-side Bulk signing solution

BULKSIGNER OVERVIEW

Businesses are increasingly going electronic for improving efficiency and bringing down operational costs. It is important to provide security and authenticity to the electronic business documents. The PKI digital signatures solutions are the most advanced and secure type of solutions, increasingly used by businesses and governments all over the world. E-Lock BulkSigner is an automated, bulk-signing solution. It helps organizations to sign multiple documents in bulk without any manual intervention. It runs on the server and requires no manual monitoring once configured.
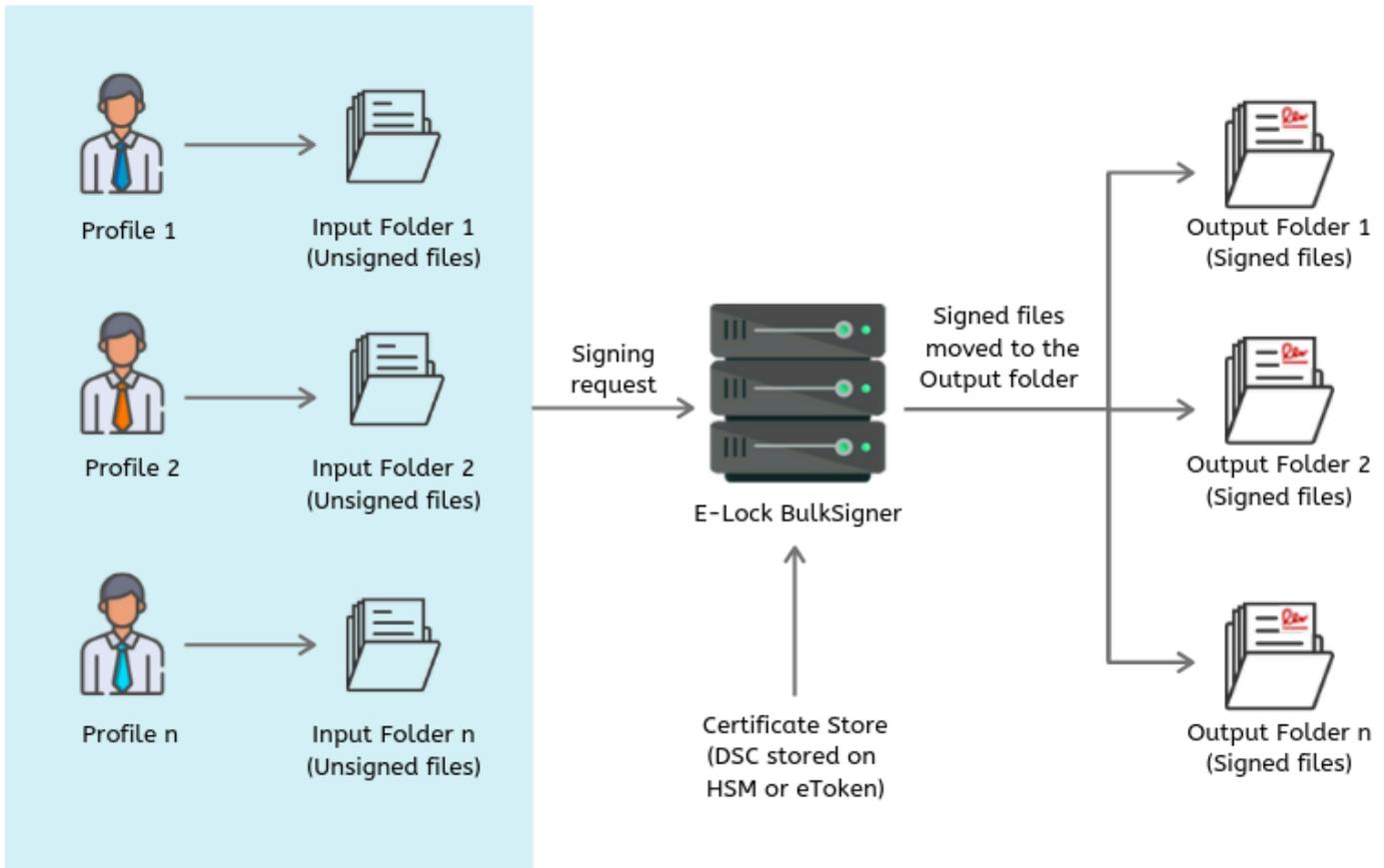
Process that can use BulkSigner

- e-invoicing
- Bank statements signing
- Loan statements signing
- Insurance documents signing
- Credit / debit card statements signing
- Purchase orders signing
- And many others

BulkSigner Functionalities

1. Automated Process
BulkSigner runs as a service once installed on the server. Once configured it polls the configured folder to check the files to be signed. Files in the input folder are signed with the pre-configured certificate at the predefined location in the files (for PDF files) and shifted to output folder. Once configured there is no manual intervention required and signing becomes completely automated.

2. Signing
BulkSigner can sign any file format in standard PKCS#7 compliant format. It supports attached, detached and multiple signatures for any file type. For PDF files BulkSigner specially supports embedded Adobe compatible signatures in PKCS#7 format.
It has option to configure:
- Signature placement
- Signature image
- Various attributes like signing and location
- Local time stamp in the signature

3. Verification of Signatures in PDF files:
Since the signatures are in Adobe compatible format, recipient of signed PDF file can open it in the Adobe Reader and verify the signature with a click, for data integrity and authentication.

4. Profiles:
Bulk Signer supports multiple profiles. Each profile can specify a different signing configuration that includes input and output folders, digital certificate to be used for signing, signature placement, signature image etc. All the configured profiles are run simultaneously. Using the multiple profiles feature, it is possible to implement various combinations of signing process like cascaded signing or parallel signing. In Cascade signing, output folder of first profile will become the input folder of the second profile. This way a chain can be created which will allow single profile to have multiple signatures at pre-configured location. In parallel signing, number of profiles can be started simultaneously in parallel with each other giving maximum output.

5. Blazing speed:
Bulk Signer is designed to make the optimum use of resources to give maximum output. Multiple profiles can run simultaneously ensuring thousands of files are getting signed in seconds making it a blazing fast files signing solution.

6. Reporting / audit trails:
Signing success and failure events in the software can be logged for reporting purpose

Technical Requirements

- Windows 2000, Professional, Server or Higher
- IE 6.0 or higher
- Digital Certificate - any X509 Standard certificate, installed in the IE browser without security or on a smart card / e-token / HSM
- If smart card based / HSM based certificate is to be used for signing, the smart card driver / HSM driver should support signing in a silent mode if password is provided
- Supports both MSCAPI drivers as well as PKCS#11 drivers for smart cards, e-tokens or HSMs
- Supports Hashing algorithms like: MD5, SHA1, SHA-256, SHA-384, and SHA-512

About E-Lock

E-Lock is pioneer in the field of Digital and Electronic signature solutions. E-Lock's PKI-based solutions have made digital signatures popular in common business applications and web-based transactions. Compliance with the global standards for digital signatures has allowed E-Lock to serve organizations in more than 30 different countries, spanning several industries, effectively and efficiently. This has resulted in massive customer base for E-Lock in countries like the US, the UK, Australia, Greece, Spain, Hong Kong, Peru, Romania, Kuwait, Portugal, South Africa, Singapore, Lithuania, India, Malaysia, and many more.

For more information:

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