

## File Sign&Seal

- Creates a secure archive containing one or more files or folders of any type
- Adds one or more end-user digital signatures



Today organisations are facing a variety of pressures to provide enhanced security of data, better accountability, traceability and audit to ensure compliance with local legislation, regional directives and market expectations. From a commercial and efficiency perspective there is also a strong drive to replace paper-based processes with secure, electronic ones.

Although PDF documents can be easily signed by products such as Ascertia PDF Sign&Seal - there are many cases when an entire folder or project needs to be transferred securely from one person to another person or even another business or transferred to backup media for compliance purposes, etc. In such cases there is a need for a trusted container to be used. File Sign&Seal is ideal for these scenarios. It can provide a protective, tamper-evident container for any type of file, files or folders. These may contain reports, instructions, financial instruments, Patent information, project details, etc.

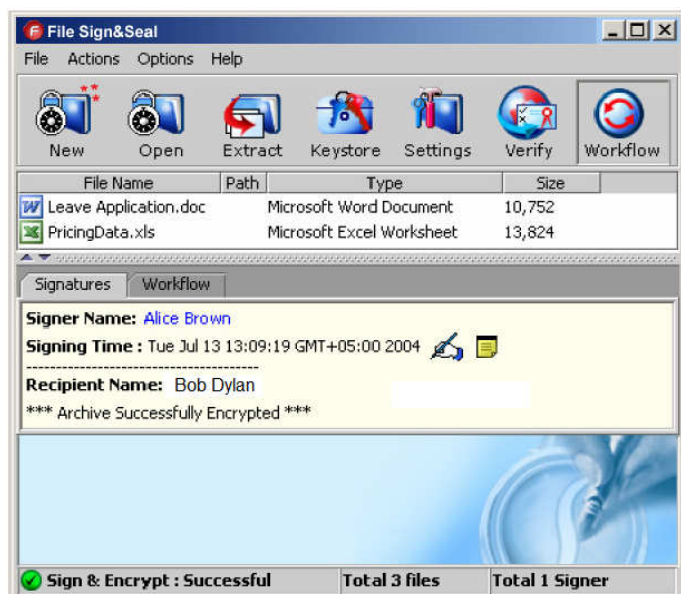
File Sign&Seal uses advanced digital signature and encryption technology within an easy to use product that is designed to make it easy to use for senior managers.

### File Sign&Seal - designed for easy use:

- ❖ Simple to use with Windows Explorer right-click sign or sign and encrypt options
- ❖ Visual appearance to confirm who has signed and, if encrypted who can open
- ❖ Uses optional hardware tokens for strong two-factor authentication of users
- ❖ Can work with standard digital certificates from any trust infrastructure
- ❖ Can validate users using OCSP

### Where to use File Sign&Seal:

- ❖ Signing multiple documents to pass to other colleagues – within a internal or external project environment
- ❖ Signing and encrypting documents within a team dealing with Mergers and Acquisitions (M&A) data, Patent creation and/or filing, confidential data or specifications
- ❖ As a signed backup of files at a specific date in time for compliance or audit purposes, e.g. safety data, processes & procedures etc, even personal data.
- ❖ To protect information passing between team members (e.g. for company board meetings).



### Why use File Sign&Seal:

- ❖ Comply with digital signature legislation and industry regulations
- ❖ Improve operational efficiency by securely approving and sharing sensitive electronic documents
- ❖ Deliver end-to-end security, guarantees who signed-off or approved the files and when, that the data has not changed even by a single binary bit, and who can open the protective wrapping
- ❖ Protect single file or multiple files and whole folders in one go
- ❖ Support countersignatures for multi-party sign-off and approval and optionally control the order in which users sign

## Key Features:

### Sign any type of file

Apply strong digital signatures to one or more files of any type (.doc, .xls, .jpg, .ppt, etc.). Apply signatures to multiple files and folders from within Windows Explorer.

### Multiple signatures

Allow any number of users to sign the same file(s), using either independent signatures or wrapping countersignatures.

### Encrypt any type of file

Sign and encrypt in one step using strong AES encryption algorithm. Only authorised users can then open the encrypted package.

Encrypt for multiple recipients in one go.

### Auxiliary information

When signing, it is possible to add signing reason, signer's location and any additional comments that the signer wishes to pass to the recipient. Hand-signature images or company logos/seals can also be included as part of the signature.

### Signature verification

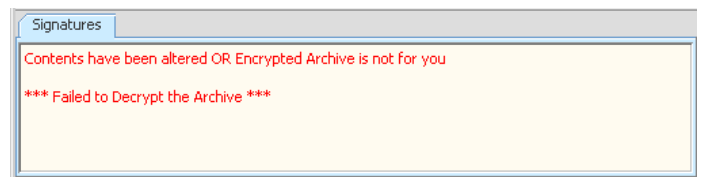
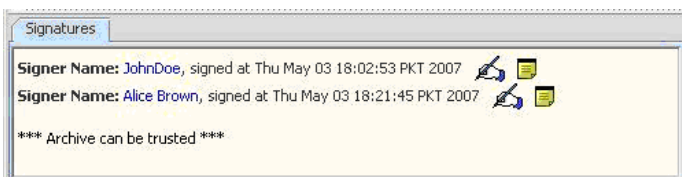
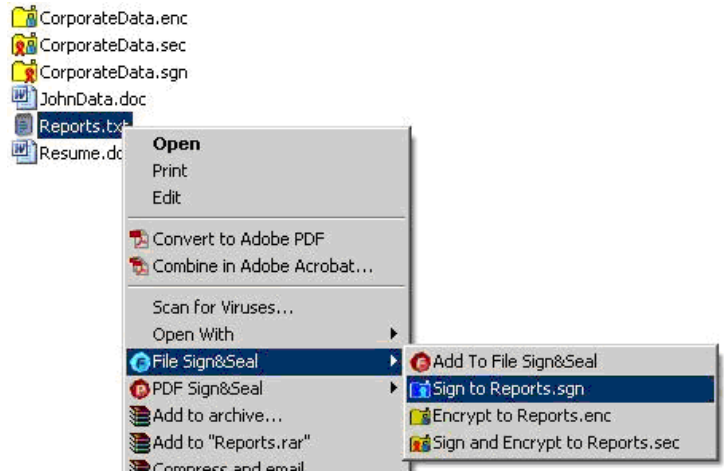
All signatures are verified using a standard cryptographic techniques including validation of the signer's digital certificate using offline (CRL) or using the online (OCSP) revocation checking features of the ARP-OCSP product.

### Workflow capability

Use this to control which users are allowed to sign a file and the order they must sign in.

### Pre-Configuration before roll-out

Administrators can pre configure the main settings prior to distributing the product to end-users for maximum ease of use.



### File Sign&Seal Standards Compliance:

- Signature generation:** PKCS#7 / CMS (inc. multiple counter-signatures)
- Signature verification:** PKCS#7 / CMS (inc. multiple counter-signatures)
- Encryption:** DES 56bit (evaluation versions) AES128, AES192, AES256 in fully licensed versions
- Certificate validation:** X.509v1 CRLs and OCSP (RFC2560) – using optional module
- Token Support:** Any Windows CAPI device and compatible PKCS#11 v2.0.1 tokens
- Operating Systems:** Windows XP, Windows 2000 AS, Windows 2003 Server, other platforms possible as a project
- Interfaces:** Windows Explorer integration

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