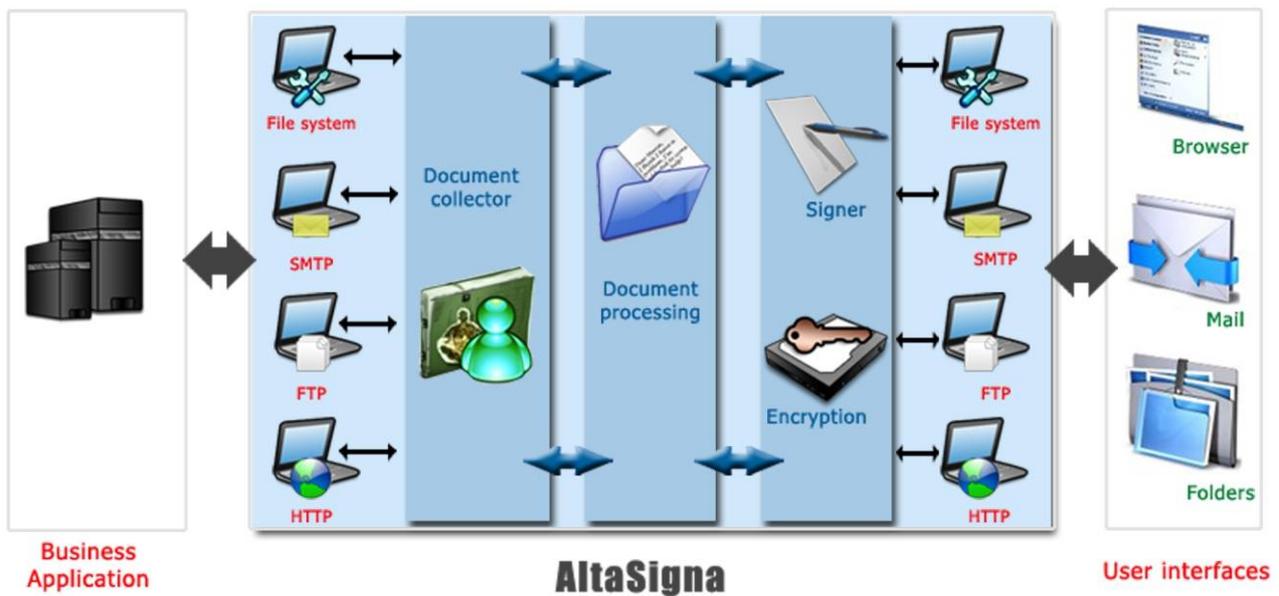# AltaSigna

Internet has made distribution of electronic documents to a large number of people fast and simple.

Despite the obvious benefits, electronic documents fall short of their physical equivalent in significant aspects such as confidentiality, authentication, integrity and non-repudiation. If businesses are to reap the full benefits of this new form, these shortcomings need to be remedied.

Use digitally signed documents

The most comprehensive model that addresses the security and trust needs of the above shortcomings is the Public Key Infrastructure (PKI). PKI, within its framework provides for encryption of documents for ensuring privacy, digital certificates for failsafe identification, message digests for integrity of messages and digital signatures for ensuring non-repudiation.

Odyssey AltaSigna is a secure document distribution gateway that facilitates creation, signing and encryption of large volume of documents and distributing them to recipients through different distribution mechanisms. AltaSigna performs its functions without requiring any changes to the existing business applications.

Business benefits

Quick to deploy

Odyssey AltaSigna's functionality stays completely independent of the application domain and its code base. As AltaSigna doesn't warrant any modification to the existing applications, the deployment time is significantly reduced.

Performance

AltaSigna product suite delivers performance to address different business needs - starting from 500 pages to a mind-blowing performance of 1.5 million pages per hour.

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Cost effective

AltaSigna saves costs associated with traditional paper based document distribution by leveraging e-documents and digital signature technology.

Audit trails and logging

AltaSigna provides a complete framework for archival of all transactions, signed documents, log reports, admin operations etc.
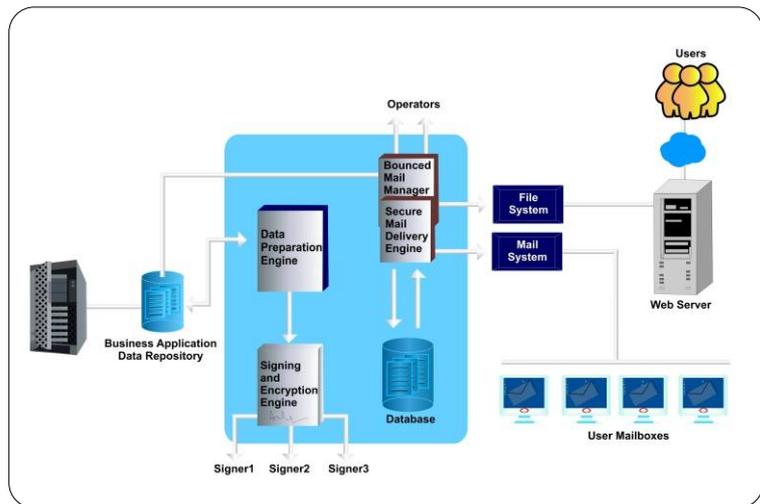
Platforms

- Odyssey AltaSigna Desktop (Microsoft Windows)
- Odyssey AltaSigna E-32 (Microsoft Windows Server)
- Odyssey AltaSigna E-64 (Linux 64-bit)

AltaSigna can be deployed for distribution of

- Stock broking contract notes
- Demat statements
- Bank account statements
- Credit card statements
- Insurance policy and premium receipts
- e-Invoices
- Payslips
- Medical reports
- School / College mark sheets

Key Features

- Authentication using digital certificate
- Digitally signs & encrypts the data
- Works with different source data types
  - File System, Mail Client, HTML, FTP, Mail messages
- Supports multiple response types
  - Signed attachments, signed mails, File Download, FTP
- Supports multiple signature format
  - PKCS # 7, XML, S/MIME
- Supports for multiple private key storage
  - PKCS # 12
  - Optional HSM
- Bounced mail management
- Signature archival for logging and audit trail

Standard Compliance

Component	Standard
Digital Certificates	X.509 v3
Digital Signatures	PKCS #1 v2
Digital signature storage format	PKCS #7, XML signature, S/MIME
Public Key Algorithm – RSA	PKCS#1 v2, RFC 2437
Symmetric Algorithms - DES, 3DES, AES	FIPS 46-3, FIPS 81
Hashing Algorithm - SHA-1	FIPS 180-1
Certificate Revocation Lists	CRL v2
Smartcards/tokens	ISO 7816, PC/SC 1.0 PKCS#11
Smartcard readers	PC/SC 1.0 PKCS#11

ODYSSEY TECHNOLOGIES LTD.

5th Floor, Dowlath Towers, 63,Taylors Road, Kilpauk,
Chennai - 600 010, India.
Tel : +91 44 26450082, 26450083, 43084070, 43084080
e-mail : info@odysseytec.com

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