SECARDEO

⊞certBox Certificate Provisioning

Certificate Directory Server

– Secure certificate publishing

– Global certificate retrieval

– Provides global PKI Connectivity

– Supports Standard E-Mail Clients

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Certificate searching & publishing

Global end-to-end encryption

Certificate searching...
For end-to-end encryption the recipient's public key is required by a client application like Outlook. The certBox provides your clients automatically with X.509 certificates and PGP keys on the internet. More than 140 certificate directories (repositories) are connected using the trust service. Additionally, an easy to use HTML search interface is provided.

... and publishing
The certBox Appliance may serve as a public external repository (certificate store) or as a secure ldap proxy to your internal directory. Automatic synchronization with Active Directory can be accomplished by the optional certSync Windows service. Access to your certificates is protected using advanced access control mechanisms and by a strict network separation using 2 interfaces.

**Validating, mapping or ad-hoc certificates**
Certificates found may be validated centrally according to policy rules and they may be mapped into an internal trust hierarchy. For a validation a list with more than 250 CA certificates is provided by the trust service. The certBox ICE service offers end-to-end encryption by issuing ad-hoc certificates to any recipients who do not have a certificate.

Easy to use

The certBox is a ready to use PKI Appliance being installed in your DMZ. At your clients the certBox will be configured as an LDAP search directory. This can be done automatically via Group-Policies. Mobile clients on iOS and Android can be integrated seamlessly via the certMode service. Configuring the certBox is done comfortably via web browser.

HW, Virtual, SaaS ?
The certBox HW Appliance is offered as a turn key rack server or as a virtual appliance for VMware or Hyper-V. Clustering is possible for high availability. The certBox Cloud Service is a ready to use SaaS service.
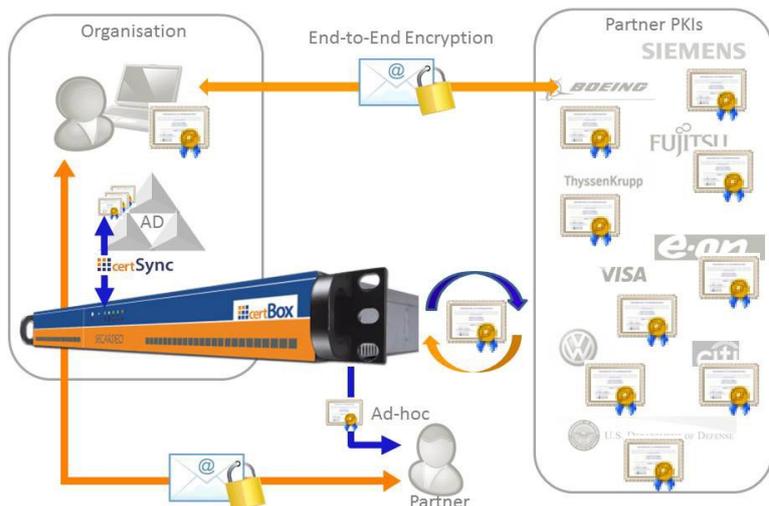
Secardeo certBox Standard Edition offers the following features:

- Publishing and searching for X.509 certificates and PGP keys via LDAP and HTTP
- Rule based localisation of the corresponding certificate repository
- Unique trust service for up-to-date repository (>140) and CA certificate (>250) lists
- LDAP filter for popular e-mail clients; HTML search interface protected by CAPTCHA
- Public repository for your organization's certificates (certificate store)
- Comfortable options for import/export and certificate management
- LDAP proxy provides access control and patented DN encryption for search requests from outside
- Policy based central certificate validation using CRLs and OCSP
- Local caching of external certificates and business partner store
- High availability using certbox cluster
- Synchronisation with MS Active Directory (using optional Windows service certSync)

The certBox Enterprise Edition additionally provides the following functions:

- Ad-hoc certification of recipients without a certificate (Identity Certified Encryption - ICE)
- Decryption for recipients without S/MIME client via Web-Decrypter
- Certificate mapping into internal trust hierarchies
- Organisational certificates and partner upload form
- Authentication for requests from and towards the external and internal network
- Statistics for in– and outbound searches and performance check
- HTTP CRL-Proxy
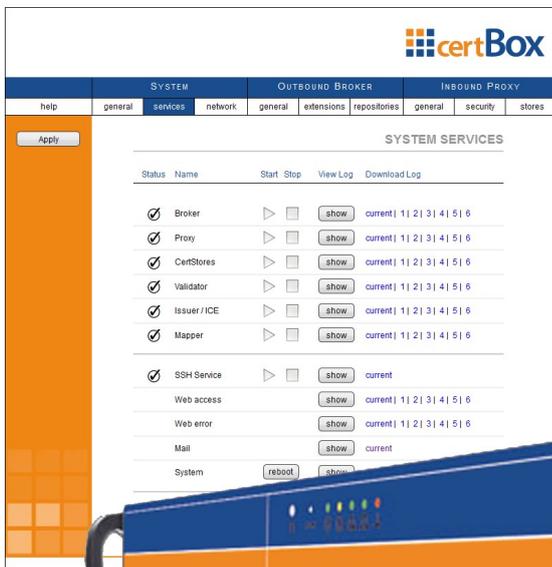
Hardware-Appliance:

19" Server 1 Unit

Virtual Appliance:

VMware Virtual Hardware 8
Hyper-V Generation 1 (VHD)

Network: 2x Bridged
HDD: 1 x 40 GB

Software-as-a-Service:

Operated in German data center

Supported Standards:

- LDAPv3 RFCs 4510 - 4512
- X.509-Certificate and CRL Profile RFC 5280
- X.509 PKI LDAPv2 RFC 4523
- LDAP via TLS RFC 4513
- PKI Repository Locator Service RFC 4386

Further information on request.

Client-Applications:

- MS Outlook 2003-2016
- Mozilla Thunderbird
- Adobe Acrobat
- IBM (Lotus) Notes
- PGP Desktop

Further information on request.

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