

TC ENTERPRISE ID Web

On-Demand PKI

Professionally Managed On-Demand PKI

Superior quality of service, interoperability and zero footprint-administration – who wouldn't want that for their PKI? You think this is expensive and difficult to build? Try leveraging the certified On-Demand PKI platform of PGP TrustCenter, our security expertise, and our professionally managed services to reach the above goals.

We provide the infrastructure you can trust.

Until recently, organizations desiring to implement a PKI were faced with two choices: they could build it, staff it, and operate it themselves, or have somebody else build it, staff it, and operate it for them through a managed service. Both approaches involved physically building the infrastructure, incurring capital expenditures, paying perpetual license fees, and making changes to existing IT infrastructure, as well as purchasing hardware and software. Both approaches involved undertaking projects that could last many months before benefits could begin to be realized.

PGP TrustCenter offers a new alternative – On-Demand PKI. Unlike traditional in-house PKI implementations or traditional managed services, PGP TrustCenter is the world's first PKI platform that can be deployed across multiple clients in a web-based Security as a Service model, enabling any size enterprise to create a working PKI in as little as 2 weeks with no capital costs, hardware or network changes.

PGP TrustCenter has implemented a "logical separation" model. The security for a PKI with physical separation will not significantly enhance the PKI's security compared to a PKI with logical separation. Logical separation is allowed according to the highly restrictive German Digital Signature Act and has been approved by IdenTrust. Our On-Demand PKI is faster to install than any other approach. Since all the enabling infrastructure exists, On-Demand PKI can be configured and be online within a few weeks.

→ Easy to Use and Easy to Administer

The screenshot displays the 'TC TrustCenter Administration of local user groups (LRA) - Windows Internet Explorer' window. The address bar shows the URL: `https://pki.pp.trustcenter.de/lra-sbin-pin/PKIAdmin.cgi`. The page content includes a 'List of found certificates' section with a 'Download' button. A legend indicates the status of certificates: = valid, = not valid, = revoked, = suspended, = revoke, and = key recovery. The main table lists certificates with their Distinguished Names (DN) and expiration dates. The table has columns for certificate status (valid/not valid/revoked/suspended) and actions (revoke/key recovery).

Certificate	Status	Action
DN: /DC=com /DC=chosendemo /CN=Users /CN=Administrator /Email=rhall@chosensecurity.com, TC TrustCenter, valid until 12/13/2008, not extendable, not revoked	valid	revoke
DN: /DC=com /DC=chosendemo /CN=Users /CN=Administrator /Email=rhall@chosensecurity.com, TC TrustCenter, valid until 12/13/2008, not extendable, not revoked	valid	revoke
DN: /CN=Administrator, TC TrustCenter, valid until 12/13/2008, not extendable, not revoked	valid	revoke
DN: /DC=com /DC=chosendemo /CN=Users /CN=Administrator /Email=rhall@chosensecurity.com, TC TrustCenter, valid until 12/06/2008, not extendable, not revoked	valid	revoke
DN: /DC=com /DC=chosendemo /CN=Users /CN=Administrator /Email=rhall@chosensecurity.com, TC TrustCenter, valid until 12/06/2008, not extendable, not revoked	valid	revoke
DN: /CN=Administrator, TC TrustCenter, valid until 12/06/2008, not extendable, not revoked	valid	revoke
DN: /DC=com /DC=chosendemo /CN=Users /CN=Administrator /Email=rhall@chosensecurity.com, TC TrustCenter, valid until 12/05/2008, not extendable, not revoked	valid	revoke
DN: /DC=com /DC=chosendemo /CN=Users /CN=Administrator /Email=rhall@chosensecurity.com, TC TrustCenter, valid until 12/05/2008, not extendable, not revoked	valid	revoke
DN: /CN=Administrator, TC TrustCenter, valid until 12/05/2008, not extendable, not revoked	valid	revoke
DN: /DC=de /DC=trustcenter /DC=aedemo /CN=Users /CN=John Doe /Email=john.doe@aedemo.trustcenter.de, TC TrustCenter, valid until 11/26/2008, not extendable, not revoked	valid	revoke

TC ENTERPRISE ID Web

On-Demand PKI

Zero-Footprint Administration

TC Enterprise ID Web is a web-based PKI-system. A browser is all you need whether you are a client or an administrator. Via the Web, the user can: request certificates, approve certificates, revoke certificates, and suspend or unsuspend certificates. We also offer key recovery. You get a survey of the service quality automatically via e-mail (Service-Reports).

➔ Delivery of Requests

- > **Single:** Each certificate request will be submitted individually via an easy to use web-based graphical user interface (GUI).
- > **Batch:** TC Enterprise ID allows the upload of a batch file containing certificate requests. This batch of request data can be easily generated from a management system (like SAP) or office applications like MS Excel or other spreadsheet-programs. The batch mechanism is easy to integrate and accelerates the implementing of the certificates. We use the comma separated value (CSV) format.

Global Root – Enable Secure Electronic Communication In and Outside of Your PKI

Profit from TC TrustCenter's ubiquitous Root-Certificates. You can use standard applications to securely communicate not only with internal members of the PKI but also with external partners. The TC TrustCenter root certificates are preinstalled in e-mail clients, web browsers and other operating systems and applications. This permits simple authentication of individuals, as well as easy verification of digitally signed and encrypted data.

➔ Supported Standards and Storage Options

Supported Standards

- > CRL v1 and v2 (RFC 2459, RFC 3039, RFC 3280)
- > OCSP (RFC 2560)
- > LDAP (RFC 1777)
- > Time stamping (RFC 3161)
- > Key Recovery (PKCS#12)
- > Digital Signatures: RSA, DSA, ECSDA
- > Hash Functions: SHA-1, SHA-256, SHA-384, SHA-512, RipeMD 160

Storage Options

- > USB-Token (Cryptographic Service Provider (CSP), PKCS#11)
- > Software based (PKCS#12)
- > Smart card (CSP, PKCS#11)
- > HSM (FIPS 140 Level 2 and 3)

TC Enterprise ID Web is compatible to:

Microsoft Windows and other PKI capable applications such as Microsoft Internet Explorer and Microsoft Word, Firefox, Mozilla, Thunderbird, Seamonkey, Netscape, Opera, OpenOffice. There are also integration options for standard e-mail-gateways.

➔ Our Services

- > Printing PIN Letters
- > Issuance of Certificates (Certificate request/approval and certificate invite)
- > Management of Certificates (Revocation/Suspension/Unsuspend of certificates, key recovery, validation, LDAP)
- > Service Management and Support

SLA-Parameters

- > Operating times
- > Availability (Degree of availability, max downtime)
- > Processing times/Performance (average processing time, max processing time)
- > Capacity (max number of transaction per time unit, max total number of transactions, guaranteed online storage, guaranteed archiving time)

The Advantage of Working with PGP TrustCenter

PGP TrustCenter provides digital trust between employees, clients and suppliers doing business electronically through on-demand certificate management services.

This document is for information only and without responsibility. PGP TrustCenter reserves the right to change scope of services.