

# Netrust Public CA Service

Security on the Internet is a key issue for organizations trying to strategically leverage the benefits of the web. Public Key Infrastructure (PKI) is recognized as the best solution for securing transactional information for privacy, integrity and entitlement.

## Public Certificate Authority (CA) vs Operating an In-house CA

The options available to an organization wishing to use PKI are:

1. Use the services of a Public CA to issue certificates to clients, partners and employees and ride on the legality and security guaranteed by the use of the CA.
2. Set up their own in-house CA to issue the Digital Certificates to clients, partners and employees.

## Netrust Accredited CA Service

The cost of setting up and managing a proper CA may be prohibitive for some organisations. The associated skill set for day-to-day management of the CA may also not be available. There are many reasons why organisations should consider the services of a public CA like Netrust.

Netrust is Asia's first public CA and the only Accredited CA in Singapore. As a CA accredited by the Controller of CA, parties relying on Netrust certificates enjoy the benefits of evidentiary presumption under the Electronic Transactions Act, and users are assured of the legality and security of their transactions. Netrust's CA services, processes and infrastructure are audited against stringent standards set by the Controller of CA in Singapore.

Netrust has been providing digital ID certificates for more than a decade, and the certificates are widely used for secure authentication, secure email, secure VPN, windows logon, digital signing and other applications. Private sector Companies and Government agencies such as Building and Construction Authority, Singapore Land Authority and Land Transport Authority ride on Netrust Public CA service to provide security, convenience and safely complete their electronic transactions on the Internet.

## Why Choose Netrust

In using Netrust public CA service, customer organisation leverages on the robust CA infrastructure that Netrust uses to deliver its Accredited CA service. With Netrust's wealth of experience in supporting the applications within Singapore, Netrust also provides ongoing consultancy on how applications can be made PKI-ready. Over the years, Netrust has built numerous customized applications to help customers meet their business needs.

Benefits to customer organization are:

- Reliance on Netrust robust CA infrastructure for certificate issuance and life cycle management.
- Organisation can focus on the business use of PKI.
- Legality of digitally signed documents with Netrust Accredited CA status.
- Netrust technical expertise and ongoing support and consultancy.

Netrust received the top honors from Singapore's CIO community with the CIOHONOUR® AWARDS 2016 in the following category:

**Enterprise Public Key Infrastructure (PKI) Management**



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## TYPES OF CERTIFICATES ISSUED

Netrust issues a comprehensive range of certificates to individuals, organisations and servers. Netrust IDs enable users to perform secure transactions with ease by providing them with uncompromised security and service support.

### NET ID

Netrust Net IDs are issued to individuals for personal or corporate use. They render full support for 2048bit encryption/decryption and digital signing, and can be delivered via soft certificates, smart mobile devices or cryptographic tokens.

USB cryptographic tokens provide higher levels of security as:

- They provide strong two-factor security – you have your own physical USB token and your own password to prevent unauthorized access.
- Key pairs are generated within the token and private keys can never be removed.
- Key encryption and decryption is carried out by dedicated onboard processor.

#### PERSONAL ID

- Issued to an individual
- Not tied to any company
- Details will contain user's name & identity number

#### CORPORATE ID

- Issued to a representative of a company
- Tied to the company
- Details will contain user's details and company name
- Requires company's authorisation to apply

#### ORGANIZATION ID

- Issued to a representative of a company
- Tied to the company
- Details will contain company name
- Requires company authorization to apply

### SERVER ID

Netrust Server IDs are issued to servers and appliances for a variety of online applications including payment gateways, VPN gateways, supply chain management, secure access to Government applications, server-to-server authentication, intranet portals, digital signing and digital file archival. Together with Netrust Net IDs, organisations may optimise the use of public key cryptography for enhanced trust and security within the organisation.

#### SERVER ID

- Issued to servers and appliances
- Tied to the company
- Details will contain company name
- Requires company authorization to apply

## Customer Support

Netrust Customer Support desk provides a single point of contact for user registration and technical support. You will have well-trained support personnel who can understand your needs. Netrust implements a strict identity verification regime and issues high assurance certificates. Our customer service officers are professionally trained and dedicated to provide a high level of service and support.

## ABOUT NETRUST

Netrust is Asia's first public Certificate Authority (CA) and Singapore's only commercial IMDA-accredited CA. Established in 1997, it has been providing digital ID certificates widely used for secure authentication, secure VPN, secure email, digital signing and other applications. Private sector companies and Government agencies such as Building and Construction Authority, Singapore Land Authority and Land Transport Authority employ Netrust's PKI solution in their environment to enhance security and convenience, and to safely complete their electronic transactions on the Internet.

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