

Overview

Each Server can be configured with multiple channels

A channel contains only the keys and certificates which were generated or imported for that particular channel. A channel therefore provides key separation such that different applications can access only the keys and certificates of interest to them

Each channel can utilise a different key store as well as containing different configuration options. For example, one channel may make use of an HSM9000 and be configured to perform OCSP revocation checking. Whilst another channel can be configured to use an nCipher HSM and not perform any revocation checking. Each channel can therefore be configured for the application's specific requirements

There are two types of channel available:

- **PKI**
 - Performs digital signature generation and verification
 - [Click here for more information on PKI Channels](#)
- **Encryption**
 - Provides encryption and decryption operations using AES symmetric keys
 - [Click here for more information on Encryption Channels](#)

Both types of channel can also generate random numbers (returning arrays of bytes)

The client application must provide the Channel Name when making a call to the server

If multiple Servers are configured, all channels will be available to each server