



What's New 'Deep Dives'

SmartKey 2020.3

Tokenization Security Object Type

Tokenization eliminates the link to sensitive data and is used in credit card processing to reduce or eliminate breaches. This is a highly secure method of protecting payment credentials which include substituting sensitive data such as credit card/account numbers with a one-time number known as a token that has no relationship to a person or their account. The 16-digit account number is replaced with a randomly generated alphanumeric ID.

To choose Tokenization as a Security Object type, in the Add New Security Object page, select the Generate option and choose Tokenization for Security Object type.

Security Objects

Add New Security Object

Security Object name
New Token Object + ADD DESCRIPTION

Choose a type
Certain types may be disabled due to the cryptographic policy.

AES DES3 HMAC
 RSA DES EC Tokenization

HSM (Hardware Security Module) Gateway

For customers who want to consolidate their entire Key Management needs into SmartKey, gradually migrating to SmartKey without impact on their existing security

infrastructure, we have introduced HSM Gateway. HSM Gateway is a way to link existing HSMs or external Key Management Systems (KMS) to SmartKey.

To set up a group for HSM connection, create a new group and click LINK HSM/EXTERNAL KMS.

Groups

Adding new group

Set a title for your new group

Add the description for your group here

LINK HSM/EXTERNAL KMS

Add Group Quorum Policy

Quorum approval policy adds an extra level of protection to all objects in the group. All sensitive operations with keys and plugins within the group will require approval according to the policy.

ADD QUORUM POLICY

Then add the Authentication details of your HSM or external KMS.

Add new HSM/external KMS CANCEL

AWS CloudHSM

Authentication

PIN is generated in HSM

HMG IP-address Port (default 4442)

Slot

PIN

TEST CONNECTION

Custom certificate configuration

ADD CONFIGURATION

ADD CONNECTION