LunaCA3 Migration

Upgrading from Luna CA3 to Luna SA or Luna CA4

Background

The SafeNet Luna CA3 token product has reached End of Sales and approaches End of Support. This document provides instructions for a smooth transition of your valuable encrypted objects from the Luna CA3 to newer platforms – the Luna CA4 token product or the Luna SA 4 networked HSM appliance.

Option A: Migrate Luna CA3 to Luna CA4

You will need two tokens/HSMs; your legacy Luna CA3 token with key material and other objects on it, and your Luna CA4 to which you will clone the objects.

1. Initialize the Luna CA4 token with PED Keys that belong to the Luna CA3. The Luna CA4 must accept the domain that is already on the red PED Key (say "NO" to "Create a New Cloning Domain?" during Luna CA4 initialization).

2. Insert two tokens (the Luna CA3 into slot 1, the Luna CA4into slot 2) and start lunacm.

3. Login as the user/owner (black PED Key) to the token that has the object to be cloned (the Luna CA3).

4. Clone the desired objects.
   lunacm:>partition clone -objects 8,9,10,11,12,13 –slot 2
   Verifying that the specified objects can be cloned
   All objects will be cloned.
   Logging in to target slot 2
   Cloning the objects
   Handle 8 on slot 1, is now handle 7 on slot 2
   Handle 9 on slot 1, is now handle 8 on slot 2
   Handle 10 on slot 1, is now handle 9 on slot 2
   Handle 11 on slot 1, is now handle 10 on slot 2
   Handle 12 on slot 1, is now handle 11 on slot 2
   Handle 13 on slot 1, is now handle 12 on slot 2
   Command Result: No Error
   lunacm:>

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5. To verify the migration, login to the target token and check its contents.

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lunacm:>slot set –slot 2
Current Slot ID: 2 (Luna PCM 4.5.3 Signing with Cloning Mode)
Command Result: No Error
lunacm:>partition login
If you are not activated, please attend to the PED
Command Result: No Error

lunacm:> par con
The User is currently logged in. Looking for objects in the User's partition
Number objects: 7
Handle: 6   Label: Know                              Object Type: Symmetric Key
Handle: 7   Label: Generated DES3 Key                Object Type: Symmetric Key
Handle: 8   Label: Know                              Object Type: Public Key
Handle: 9   Label: Generated RSA Public Key          Object Type: Public Key
Handle: 10  Label: Generated RS Private Key          Object Type: Private Key
Handle: 11  Label: MT RSA 1024-bit Public Key        Object Type: Public Key
Handle: 12  Label: MT RSA 1024-bit Private Key       Object Type: Private Key
Command Result: No Error
lunacm:>
```

6. Begin using your Luna CA4 with your application.

Option B: Migrate Luna CA3 User Objects to Luna SA

You will need two HSMs; your legacy Luna CA3 token with key material and other objects on it, and your Luna SA 4. x (Trusted Path / PED Authenticated version) to which you will clone the objects.

1. Initialize the target Luna SA HSM with PED Keys that belong to the Luna CA3. The Luna SA must accept the domain that is already on the red PED Key (say "NO" to "Create a New Cloning Domain?" during Luna SA initialization). n.

2. Create an HSM Partition on the Luna SA.
   lunash:> partition -create -name myPartition1   (substitute a name of your choice for "myPartition1)
   Follow the PED prompts, (your can use any black PED Key).

3. Insert the Luna CA3 token into the token slot of the Luna SA.

4. Login to the Luna CA3 token, using the lunash token -login command.

5. Restore the Luna CA3 token contents onto the Luna SA HSM Partition using the lunash:> partition -restore command.

6. Verify the restore with the command
   lunash:> partition showContents

7. Resume working with your Client application(s).