
Lumache

Release 0.1

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Lumache (/lu'make/) is a Python library for cooks and food lovers that creates recipes mixing random ingredients. It pulls data from the [Open Food Facts database](#) and offers a *simple* and *intuitive* API.

Check out the [HSM Partition - quick build](#) section for further information, including how to [Summary](#) the project.

Note: This project is on track.

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1.1 HSM Partition - quick build

1.1.1 Summary

- Install the Luna client on the CA;
- Create a partition on the HSM;
- Configure the client for NTLS;
- Initialise the partition; and
- Configure the KSP.

```
(.venv) $ pip install lumache
```

1.1.2 Prerequisites and Dependencies:

- the HSM appliance is already networked and initialized;
- Software, PED Keys are all available

1.1.3 Install the Luna client on the CA

- **Right click Luna LunaHSMClient.exe (10.4.1), select Run as administrator, and select the following as install options:**
 - Install location: C:\Program Files\SafeNet\LunaClient
 - Luna Devices Network
 - Luna Devices USB
 - Luna Devices Backup
 - Luna Devices Remote PED
 - Features CSP (CAPI) / KSP (CNG)
 - Select the “I agree to the terms of the Thales Licence Agreement”
- Click Install
- Edit the crystoki.ini file to include the RSAKeyGenMechRemap=1 under the [MISC] section.

1.1.4 Create a partition on the HSM

- ssh to the HSM
- Login into the HSM as the HSM SO `hsm login` (usually need the remote PED)
- Create the partition using the following command where “myhsmpartition” is the partition name: `partition create -partition <myhsmpartition>`

1.1.5 Configure the client for NTLS

- run the clientconfig to set up NTLS between the CA server and the HSM: `clientconfig deploy -server <hsm ip> -client <ca server ip> -partition <myhsmpartition> -user <hsm user name> -v`

1.1.6 Initialise the partition

- initialize the partition with the command: `partition init -label myhsmpartition`
- insert the Blue and Red PED keys when prompted (and orange assuming this is being done remotely)
- **Setup the CO:**
 - login as partition SO: `role logi -n partition so`
 - initialise the CO: `role init -n co`
 - create a challenge password for the CO: `role createchallenge -n co`
- Set the partition policies:

```
partition changepolicy -policy 18 -value 0
partition changepolicy -policy 20 -value 5
partition changepolicy -policy 21 -value 1
partition changepolicy -policy 22 -value 1
partition changepolicy -policy 23 -value 1
```

- **Login as CO and change the password and PIN**
 - Login as the CO: `role logi -n co`
 - change the CO primary credential (challenge password): `role changepw -n co -prompt`
 - change the CO secondary credential (PIN): `role changepw -n co`

1.1.7 Configure the KSP

to be completed

1.2 API