SHRINE 4.0.0 Chapter 8.2 - Configuring a Hub



Hub Admins Only

This section is intended for hub administrators only.

Here is a sample shrine.conf file for a system running SHRINE 4.0.0, for a node supporting researchers and distributing queries.

```
shrine.conf
```

```
shrine {
 shrineHubBaseUrl = "https://localhost:6443" //The shrine hub's URL as observed from this tomcat server
 i2b2BaseUrl = "http://i2b2.example.com:9090" //The local i2b2's URL as observed from this tomcat server
 i2b2Domain = "exampleDomain"
 i2b2ShrineProjectName = "SHRINE"
 nodeKey = "somethingHub" //node key to get information from the hub about itself as a node.
 //shrineDatabaseType = "mysql" // "mysql" by default. It can be "sqlserver" "mysql" or "oracle"
 webclient {
   siteAdminEmail = "shrine-admin@example.com"
 hiveCredentials {
   username = "demo"
   crcProjectId = "Demo"
 }//hiveCredentials
 hub {
   create = true
   messagequeue {
     blockingqWebApi {
       enabled = true //run shrine's MoM system at the hub.
   }//messagequeue
 }//hub
 adapter {
   create = false
 }//adapter
 keystore {
   privateKeyAlias = "shrine-hub"
   caCertAliases = ["shrine-ca"]
 }//keystore
 steward {
   emailDataSteward {
     //provide the email address of the shrine node system admin, to handle bounces and invalid addresses
     from = "shrine-admin@example.com"
     //provide the email address of the shrine node system admin, to handle bounces and invalid addresses
     to = "shrine-steward@example.com"
     //provide the externally-reachable URL for the data steward
     externalStewardBaseUrl = ${shrine.shrineHubBaseUrl}/shrine-api/shrine-steward
 }//steward
}//shrine
```

It is rare but possible to have a set of patient data at the hub. Simply include the adapter section of qep-and-adapter-shrine.conf in your shrine.conf , tailored to your system as explained earlier in this chapter.

Set the shrine i2b2 user password in the password.conf file in /opt/shrine/tomcat/lib .

```
password.conf

shrine.hiveCredentials.password = "changeit"
```

Next, configure the initial network structures and queues for the hub.

Download the shrine network lifecycle tool into /opt/shrine:

```
cd /opt/shrine

wget https://repo.open.catalyst.harvard.edu/nexus/content/groups/public/net/shrine/shrine-network-lifecycle-tool
/4.0.0/shrine-network-lifecycle-tool-4.0.0-dist.zip -O shrine-network-lifecycle.zip unzip shrine-network-
lifecycle.zip
cd shrine-network-lifecycle
```

Inside the conf directory, edit the override.conf file to use your database username and password:

Next, create a file named network.conf to meet your needs. At a minimum include the network section and a section for the hub's QEP:

```
shrine {
 network {
   network {
     name = "Network Name"
     hubQueueName = "hub"
     adminEmail = "yourEmail@yourhospital.edu"
     momId = "HubQueue"
    }
   nodes = [
     {
       name = "Hub's QEP"
       key = "hub-qep"
       userDomainName = "network-hub"
       queueName = "shrinehub"
       sendQueries = "false"
       adminEmail = "yourEmail@yourhospital.edu"
       momId = "HubQepQueue"
   1
 }
}
```

Finally use the shrineLifecycle tool to set up the network:

./shrineLifecycle createNetwork network.conf