11.1 - Changing i2b2 / SHRINE default domain name

In SHRINE networks, it is important that either network member uses their own distinct i2b2 domain name. SHRINE uses both the i2b2 domain name and the i2b2 user name to identify a user.

However, by default, most i2b2 installations use the default domain name "**i2b2demo**", which is bound to cause collisions, especially when several nodes network together. If the same domain/user pair shows up in multiple spots across the network, the network will treat them all as the same user for the purposes of counting lockout, logging queries, and displaying previous queries in the webclient.

If you have no other applications which depend on the i2b2 domain being named "**i2b2demo**", you may rename the existing "**i2b2demo**" domain in the i2b2 database, and then update the appropriate SHRINE configuration files. In order to rename an existing i2b2 domain, follow the instructions below.

NOTE: These instructions assume that Postgres is being used as the i2b2 database engine, but the queries are simple enough that they should be easily translated to other database engines if need be.

WARNING: After renaming your domain, any queries you ran will NOT show up in the Previous Queries panel, since the query log still associates those queries with the old domain name.

i2b2 Database

In the **i2b2hive** database, run the following queries:

```
psql i2b2hive

UPDATE crc_db_lookup SET C_DOMAIN_ID = 'newdomain' WHERE C_DOMAIN_ID = 'i2b2demo';
UPDATE im_db_lookup SET C_DOMAIN_ID = 'newdomain' WHERE C_DOMAIN_ID = 'i2b2demo';
UPDATE ont_db_lookup SET C_DOMAIN_ID = 'newdomain' WHERE C_DOMAIN_ID = 'i2b2demo';
UPDATE work_db_lookup SET C_DOMAIN_ID = 'newdomain' WHERE C_DOMAIN_ID = 'i2b2demo';
```

In the **i2b2pm** database, run the following query:

```
psql i2b2pm

UPDATE pm_hive_data SET DOMAIN_NAME = 'newdomain' WHERE DOMAIN_NAME = 'i2b2demo';
```

Replace "**newdomain**" in all the above examples with the name of the domain you would like to use. The name should be short and able to uniquely identify your institution. If needed, replace "**i2b2demo**" with the name of your existing i2b2 domain.

i2b2 Configuration Files

If you make use of the i2b2 admin webclient and the plain i2b2 webclient, make sure to update the **lstDomains** block in the **i2b2_config_data.js** file for each of those components as follows:

i2b2_config_data.js - lstDomains

```
domain: "newdomain",
```

For example, these files can be found in:

- /var/www/html/admin/i2b2_config_data.js
- /var/www/html/webclient/i2b2_config_data.js

Replace "**newdomain**" in all the above examples with the name of the domain you would like to use. The name should be short and able to uniquely identify your institution.

SHRINE Configuration Files

In /opt/shrine/tomcat/lib/**shrine.conf**, change the following line in the **hiveCredentials** block:

shrine.conf - shrine.hiveCredentials

```
domain = "newdomain"
```

In /opt/shrine/tomcat/webapps/shrine-webclient/**i2b2_config_data.js**, change the following line in the **lstDomains** block:

i2b2_config_data.js - lstDomains

```
domain: "newdomain",
```

Replace "**newdomain**" in all the above examples with the name of the domain you would like to use. The name should be short and able to uniquely identify your institution.

After this, **restart SHRINE** to make the changes take effect. You should start seeing references to the new domain name in the **Message Log** as well as the **shrine_query_history** database after running a query.