**HPC DME 1.2.1 to 1.3.0 Upgrade instructions**

Service User Account:

DEV: ncif-hpcdm-svc

UAT: ncif-hpcdm-svc

Production: ncifhpcdmsvcp

Build Params:

DEV: -Pdev

UAT: -Ppreprod

Production: -Pprod

VM/Hardware:

* 1. DEV: fr-s-hpcdm-gp-d.ncifcrf.gov
  2. UAT: fr-s-hpcdm-uat-p.ncifcrf.gov
  3. Production:
     1. API: fr-s-dmeapi-t-p.ncifcrf.gov
     2. Database: fr-s-dmedb-t-p.ncifcrf.gov
     3. iRODS: fr-s-hpcdm-irods-p.ncifcrf.gov
     4. Web UI: fr-s-hpcdm-web-p.ncifcrf.gov
  4. Production backup
     1. API: fr-s-hpcdm-api-p.ncifcrf.gov
     2. Database: fr-s-hpcdm-db-p.ncifcrf.gov
  5. Database Backup: fr-s-hpcdm-gp-p

Release Pre-requisites:

1. Create database migration scripts
2. Create release branch in GIT repository
3. Using the production Globus account (not the app-id), create a shared endpoint on the production managed endpoint with the ‘/‘ path.
4. Share the endpoint with the app-id (make sure read-write permissions are granted).

**Upgrade steps**

Login to <Web/API Server>

sudo su

1. Stop Apache-tomcat

Go to /opt/apache-tomcat-8.0.42

./bin/Catalina stop

1. Stop Apache-ServiceMix

su <Service User account>

cd /opt/apache-servicemix-7.0.0/

./bin/stop

1. Checkout Source

cd /opt/HPC\_DME\_APIs/src

git status – Make sure no untracked changes

git checkout releases/1.3.0

git reset --hard origin/releases/1.3.0

1. Database Migration:

Su postgres

Pg\_dump ICAT > ICAT-<DateTime>.sql

psql -d ICAT -f /opt/HPC\_DME\_APIs/src/hpc-server/hpc-dao-impl/src/main/scripts/migration/release-1.3.0/hpc\_report\_views.sql

psql -d ICAT -f /opt/HPC\_DME\_APIs/src/hpc-server/hpc-dao-impl/src/main/scripts/migration/release-1.3.0/hpc\_data\_download.sql

Login into database and verify tables/views

Exit from Postgres

Update Globus service account information

Via SOAP UI: Run “Register System Account” – “Register Globus Account”

1. Build Source

su <Service User account>

cd /opt/HPC\_DME\_APIs/src

mvn clean install -P<Env>

cd /opt/HPC\_DME\_APIs/src/hpc-web

mvn clean install

1. Deploy API Server
   1. Copy existing etc/gov.nih.nci.hpc.cfg to backup location.
   2. cp starthpcserver.sh starthpcserver.1.3.0.sh
   3. vi starthpcserver.1.3.0.sh
   4. Update release number
   5. ./starthpcserver.1.3.0.sh
   6. ./bin/stop
   7. Merge changes from backup gov.nih.nci.hpc.cfg into etc/gov.nih.nci.hpc.cfg

Configure the following properties with the shared endpoint UUID

hpc.integration.globus.archive.endpoint=<Shared-endpoint-uuid>

hpc.integration.globus.download.endpoint=<Shared-endpoint-uuid>

* 1. ./starthpcserver.1.3.0.sh
  2. Verify the application through Curl or SOAPUI

1. Deploy Web Application

sudo su

cd /opt/apache-tomcat-8.0.42/webapps

rm -rf hpc-web-1.3.0

cp /opt/HPC\_DME\_APIs/src/hpc-web/target/hpc-web-1.3.0.war .

vi conf/server.xml

<Context path="" docBase="hpc-web-1.3.0" privileged="true"/>

./bin/catalina.sh start

./bin/catalina.sh stop

./bin/catalina.sh start