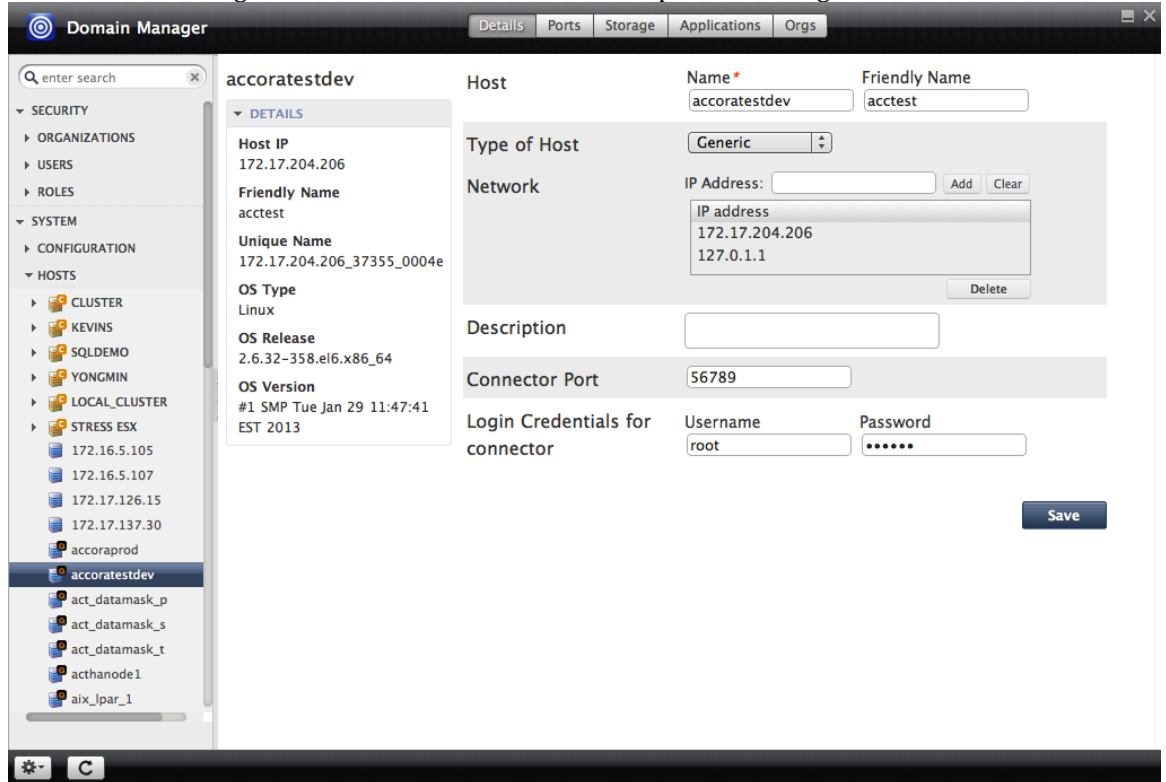


README

Setting up Freeze and Thaw script for DB2 LUW database for application consistent in-band snapshot.

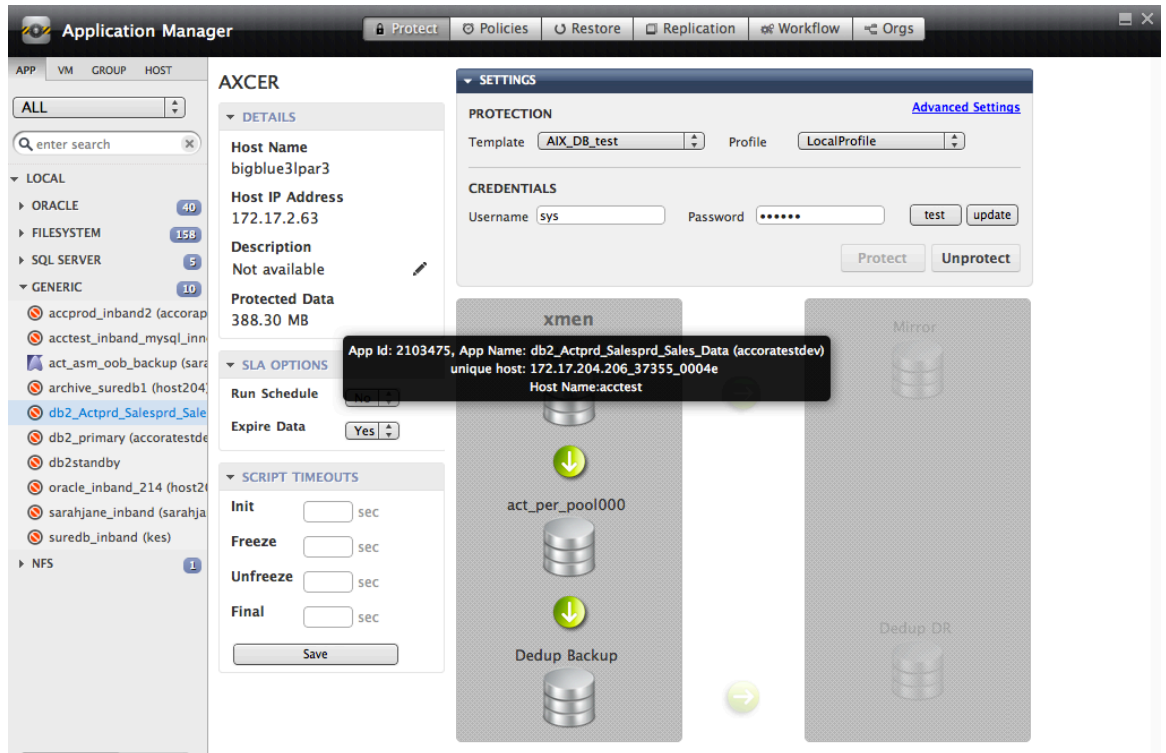
Setup Steps:

1. Set up the database data luns to be protected as in-band. Refer in-band setup help
2. Create generic application or consistency group of file system for protected data luns. Refer creating generic application or consistency group help
3. Set up the login credential under domain manager for script to run. The script can be run as either OS root owner or as OS database instance owner .
From Domain manager → select the database server and provide the login credential



Where username, password for the login credential can either root or db2 instance owner

4. Setup the scripts
Login to database server as root
cd to /act (cd /act)
Create /act/scripts directory if not there
mkdir scripts
cd /act/scripts
copy and unzip Actifio provided script under /act/scripts folder
unzip db2pre_post_scripts.zip
This contains 5 scripts
appid.xxxxx, freeze.xxxx, thaw.xxxxx, invoke_db2_act_func.ksh, act_pre_post.ksh
5. Get the applicationid for the created generic application. From application manager mouse over and get the application id



the application id in above example is 2103475

6. Modify "xxxx" with "2103475" extension

From command line

```
mv appid.xxxx appid.2103475
```

```
mv freeze.xxxx freeze.2103475
```

```
mv thaw.xxxx thaw.2103475
```

7. Modify freeze.2103475 and thaw.2103475 for username, instancename, database name option

By default the script is set to write suspend all database for all db2 instances running on this server. The option that can be set here:

In freeze.2103475

When the script is running as root OS user i.e. under domain manager the logging credentials are provided for root:

```
$PWDS/invoke_db2_act_func.ksh -u root -o SUSPEND ----→ default
```

```
#$PWDS/invoke_db2_act_func.ksh -u root -i db2inst2 -o SUSPEND → use this option for write suspend of all databases under one instance
```

```
#$PWDS/invoke_db2_act_func.ksh -u root -i db2inst2 -d actprod -o SUSPEND → use this option for write suspend of one database under one instance
```

When the script is running as db2 instance owner i.e. under domain manager the logging credentials are provided for db2 instance owner

```
$PWDS/invoke_db2_act_func.ksh -u db2inst2 -i db2inst2 -o SUSPEND→ use this option for write suspend of all databases under one instance
```

```
$PWDS/invoke_db2_act_func.ksh -u db2inst2 -i db2inst2 -d actprod -o SUSPEND→ use this option for write suspend of one database under one instance
```

In thaw.2103475

When the script is running as root OS user i.e. under domain manager the logging credentials are provided for root:

`$PWDS/invoke_db2_act_func.ksh -u root -o RESUME ----→ default`

`#$PWDS/invoke_db2_act_func.ksh -u root -i db2inst2 -o RESUME --→` use this option for write resume of all databases under one instance

`#$PWDS/invoke_db2_act_func.ksh -u root -i db2inst2 -d actprod -o RESUME --→` use this option for write resume of one database under one instance

When the script is running as db2 instance owner i.e. under domain manager the logging credentials are provided for db2 instance owner

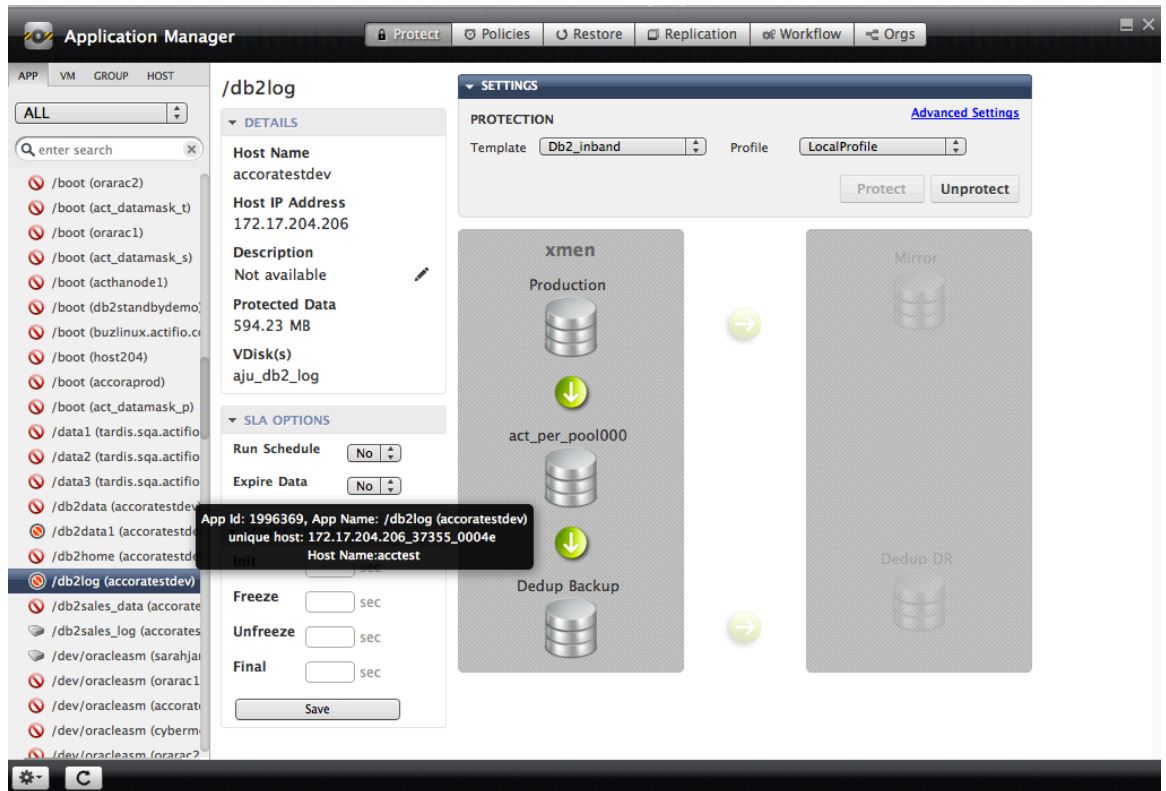
`$PWDS/invoke_db2_act_func.ksh -u db2inst2 -i db2inst2 -o RESUME --→` use this option for write resume of all databases under one instance

`$PWDS/invoke_db2_act_func.ksh -u db2inst2 -i db2inst2 -d actprod -o RESUME --→` use this option for write resume of one database under one instance

Setting up Thaw script for DB2 LUW database archivelog pruning when archive log is protected as file system.

Setup Steps:

1. Protect the database archive log as file system
2. Setup the scripts
 - Login to database server as root
 - cd to /act/scripts
 - create copy of appid.xxxx, thaw.xxxxx
3. Get the applicationid for the protected file system application. From application manager mouse over and get the application id



the application id in above example is 1996369

4. Modify "xxxx" with "1996369" extension
From command line
mv appid.xxxx appid.1996369
mv thaw.xxxxx thaw.1996369
5. Modify thaw.2103475 for username, instancename, database name option
The option that can be set here:

In thaw.1996369

When the script is running as root OS user i.e. under domain manager the logging credentials are provided for root:

`#$PWDS/invoke_db2_act_func.ksh -u root -o PRUNE --` → use this option for pruning archivelog of all databases for all instances on the database server

`#$PWDS/invoke_db2_act_func.ksh -u root -i db2inst2 -o PRUNE --` → use this option for pruning archivelog of all databases under one instance

`#$PWDS/invoke_db2_act_func.ksh -u root -i db2inst2 -d actprod -o PRUNE --` → use this option for pruning archivelog of one database under one instance

When the script is running as db2 instance owner i.e. under domain manager the logging credentials are provided for db2 instance owner

`#$PWDS/invoke_db2_act_func.ksh -u db2inst2 -i db2inst2 -o PRUNE --` → use this option for pruning archivelog of all databases under one instance

`#$PWDS/invoke_db2_act_func.ksh -u db2inst2 -i db2inst2 -d actprod -o PRUNE --` → use this option for pruning archivelog of one database under one instance

NOTE: Parameter settings under act_pre_post.ksh

1. Archivelog parameters that can be adjusted

- dblog_retn=7(default) -This is the parameter for retention of output logs in the /act/scripts/log directory
- logretention=30(default) -This is parameter related to purging of archive logs within the LOGARCHMETH1 path, so if the logretention=30 is set then it will remove archive logs above 30 days from LOGARCHMETH1 path

2. Parameter that can be adjusted to set the parallel operation to run the write suspend or write resume or archive pruning in parallel:

- max_simul_inst_call_ctr=5(default) This parameter is to control how many simultaneous database instances can we do the write suspend or write resume or purge of archive logs in parallel
- max_simul_db_call_ctr=10(default) This parameter is to control how many databases in one instance we have to do a write suspend or write resume or purge of archive logs in parallel

for example if max_simul_db_call_ctr=10 then the scripts will do a parallel write suspend or write resume or purge of archive logs for 10 databases at a time, If there are more than 10 databases then the scripts will start a second loop.

NOTE: Parameter settings under invoke_db2_act_func.ksh

1. Parameter that can be adjusted to keep the logs file of freeze and thaw output:

- SCRLOG_RETN=7(default) -This is the parameter for retention of output logs in the /act/scripts/log directory