

Infrastructure - Task #2889

Story # 2720 (Closed): KNB, LTER, PISCO, ESA, SANPARKS roll out

Task # 2880 (Closed): SANParks MN upgrade

Consolidate the saeonocean.co.za and saeonmetacat.co.za replication servers in dataknp Metacata db

2012-06-08 20:36 - Jing Tao

|   |                          |                 |            |
|---|--------------------------|-----------------|------------|
| Status:   | Closed                   | Start date:     | 2012-06-08 |
| Priority:   | Normal                   | Due date:       |            |
| Assignee:   | Jing Tao                 | % Done:         | 100%       |
| Category:   |                          | Estimated time: | 0.00 hour  |
| Target version:   | Sprint-2012.35-Block.5.2 | Story Points:   |            |
| Milestone:  | CCI-1.0.0                |                 |            |
| Product Version:  | *                        |                 |            |
| Description   |                          |                 |            |
| Currently, both saeonocean.co.za/knb/servlet/replication and saeonmetacat.co.za/knb/servlet/replication are in xml_replication table of dataknp metacat. Ben pointed out that saeonocean.co.za is replaced by saeonmetacat.co.za/knb/servlet/replication. So we need a plan to consolidate them into a single record. |                          |                 |            |

History

#1 - 2012-06-08 21:36 - Jing Tao

Here is the xml\_replication table in dataknp:

```
metacat=> select * from xml_replication;
serverid |          server          | last_checked | replicate | datareplicate | hub
-----+-----+-----+-----+-----+-----
1 | localhost                |              | 0         | 0             | 0
4 | datapha.saeon.ac.za/knb/servlet/replication |              | 0         | 0             | 0
2 | knb.ecoinformatics.org/knb/servlet/replication |              | 1         | 1             | 1
7 | saeonocean.co.za/knb/servlet/replication | 1980-01-01   | 1         | 1             | 0
8 | saeonmetacat.co.za/knb/servlet/replication |              | 1         | 1             | 0
```

I took a look at the xmldata-postgres.sql. the tables will be involved are xml\_documents and xml\_revisions.

Here is the plan:

- 1. Stop tomcat.
- 2. Backup the db as the unix user postgres:  
  
pg\_dump metacat > metacat-backup-06082012
- 3. Check the number of documents in xml\_documents where server location is saeonocean.co.za/knb/servlet/replication (under psql window):  
select count(\*) from xml\_documents where server\_location=7;
- 4. Update the documents in xml\_documents where server location is saeonocean.co.za/knb/servlet/replication:  
update xml\_documents set server\_location=8 where server\_location=7;  
The update number should match the number in the step 3.
- 5. Check the number of documents in xml\_revisions where server location is saeonocean.co.za/knb/servlet/replication:  
select count(\*) from xml\_revisions where server\_location=7;
- 6. Update the documents in xml\_revisions where server location is saeonocean.co.za/knb/servlet/replication:  
update xml\_revisions set server\_location=8 where server\_location=7;  
The update number should match the number in the step 5.
- 7. Remove the saeonocean.co.za/knb/servlet/replication from xml\_replication table.  
delete from xml\_replication where serverid=7;
- 8. Start tomcat

I ran the similar commands in my local machine and it worked. But I still request another eye to take a look.

Thanks.

#2 - 2012-06-11 19:40 - Ben Leinfelder

Those steps look good. This is not required for the Metacat 2.0.0 upgrade, but it will make for a cleaner product in the long run. We can defer this until we are happy with the 2.0.0 upgrade if you'd like. priority is to get Metacat 2.0.0 deployed.

#3 - 2012-06-12 20:38 - Jing Tao

- Status changed from New to Closed

It turned out that there were no any documents associated with saeonocean.co.za in both xml\_documents and xml\_revisions table. But it do have some documents associated with saeonmetacat. I delete the saeonocean items successfully. Now the replication table looks like:

metacat=> select \* from xml\_replication;

| serverid | server   | last_checked | replicate | datareplicate | hub |
|----------|--|--------------|-----------|---------------|-----|
| 1        | localhost                                      | 0            | 0         | 0             |     |
| 4        | datapha.saeon.ac.za/knb/servlet/replication    |              | 0         | 0             | 0   |
| 8        | saeonmetacat.co.za/knb/servlet/replication     |              | 1         | 1             | 0   |
| 2        | knb.ecoinformatics.org/knb/servlet/replication |              | 0         | 0             | 0   |

(4 rows)