

Infrastructure - Task #2894

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

Task # 2882 (Closed): KNB MN upgrade

Detail steps for moving postgres db to new KNB

2012-06-08 21:39 - Ben Leinfelder

Status:	Closed	Start date:	2012-06-08
Priority:	Normal	Due date:	
Assignee:	Ben Leinfelder	% 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

The script uses pg_dump for the knb database. We should run this after shutting down tomcat to ensure consistency with the filesystem.

For reference, the nightly script on old KNB: /var/lib/postgresql/dumps/pg_nightly_backup.sh

On original server:

```
sudo -u postgres bash -c "/usr/bin/pg_dump -Fc knb > /var/lib/postgresql/dumps/knb-nightly.dump"
```

```
scp /var/lib/postgresql/dumps/knb-nightly.dump leinfelder@mn-ucsb-3.dataone.org:/tmp/knb-nightly.dump
```

On target KNB:

```
sudo -u postgres bash -c "/usr/bin/pg_restore --disable-triggers --jobs=12 -d knb /tmp/knb-nightly.dump"
```

History

#1 - 2012-06-08 21:57 - Ben Leinfelder

- Status changed from New to In Progress

#2 - 2012-06-11 05:19 - Ben Leinfelder

added:

--jobs=12

--disable-triggers

to hopefully speed up the load time. We should have 12 processors on mn-ucsb-2 if the stats are correct and PG says it can utilize threads to load.

#3 - 2012-06-11 17:52 - Ben Leinfelder

- % Done changed from 0 to 60

Initial transfer and load is done. pg_restore step still takes 2-7 hours (sorry, I went to bed before it finished so don't have a better estimate)

#4 - 2012-06-12 02:07 - Ben Leinfelder

- Status changed from In Progress to Closed

DB is migrated over (preliminarily). Will need to do it again for final production switch.