Migration: from Lower version to Dspace 4.x

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Steps 1 : Database and file systems backup from old version of Dspace

1. Take backup of whole old dspace (with database and files system)

(Caution: please test it on a testing machine, if everything is working fine then deploy on live server)

1. Database backup

   (use pg_dump command, for detail refer presentation of backup)

2. File system

   (Important folder required to be replace with new dspace folder e.g.: **assetstore** and **log** folder, for detail refer presentation of backup)

Steps 2 : Install latest version of Dspace

1. Install latest Dspace 4.x

Note: If already install latest version of dspace 4.x, you may ignore this step

Steps 3 : Replace database and files of newly installed Dspace

1. Remove the new Dspace database (assuming database and user name is dspace)

   #/opt/PostgreSQL/9.0/bin/psql -U dspace dropdb -d dspace

2. Restore old database (which will be upgraded to latest Dspace)
   1. Create a blank dspace database

      #createdb -U dspace -E UNICODE dspace

      #/opt/PostgreSQL/9.0/bin/psql -U dspace dropdb -d dspace

3. Restore old folder backup in latest installed dspace
   1. /dspace/assetstore
   2. /dspace/log

Steps 4 : Upgrade older database to new compatible database

1. Go to following directory:

#cd /dspace/etc/postgres

1. Now run up-gradation of Postgres SQL database

e.g: here we upgrade Dspace 3.2/1.8/1.7 to 4.x, so need to run according requirement script files sequentially :

1. #psql -d dspace -U dspace -f database_schema_18-3.sql

1. #/psql -d dspace -U dspace -f database_schema_3-4.sql

Steps 5 : Perform indexing, filter-media and re-start tomcat

1. Reindex Discovery

   #/dspace/bin/dspace index-discovery -b

   #/dspace/bin/dspace filter-media

   #/dspace/bin/dspace index-discovery

2. Optimize indexing

   #/dspace/bin/dspace index-discovery -o

3. Start Tomcat ()

Thanks