

Deploying OSG on UCT2

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Introduction

These installation notes are from the deployment of OSG 0.8 at uct2 on 11/13/07. They are derived from the [Deploying OSG](#) topic.

Preliminaries

- Tuesday, Nov 14, 2007; 11:15 am
- Working on **uct2-grid6** (CE) and **uct2-grid7** (wn-client)
- Shutdown existing services
- Installed recommended pacman
- created directories, sym links, cleaned up /opt.

Prepare

- export VDT_GUMS_HOST=uct2-grid4.uchicago.edu
- export OLD_VDT_LOCATION=/opt/CE-0.6.0

Install the CE package

- pacman -get OSG:ce
 - (Here is the [InstallLogCENov13](#))
- PATH=\$PATH:/usr/bin
- These were probably not needed:
 - PATH=\$PATH:/usr/local/maui/bin
 - PATH=\$PATH:/usr/local/maui/sbin
- pacman -get OSG:Globus-PBS-Setup
 - [LogGlobusPBSSetupNov13](#)
- pacman -get OSG:ManagedFork
 - [LogManagedForkNov13](#)
- ./vdt/setup/configure_globus_gatekeeper --managed-fork y --server y

Authorization

- Edited prima-authz.conf appropriately, replaced in /etc/grid-security/ (overwrote)
- Copied gsi-authz.conf to /etc/grid-security/ (overwrote)
- rm /etc/grid-security/certificates (link to old dir)
- [root@uct2-grid6 grid-security]# ln -s /opt/osg/globus/share/certificates certificates
- ./gums-host generateGrid3UserVoMap --file grid-mapfile-rwg-test (worked)
- ./gums-host-cron

Turning services on, configuring

- vdt-control --on
- export VDT_OLD_LOCATION=/opt/CE-0.6.0/
- Had to run configure-osg about 10 times to get all the information right. Probably did not succeed. * Reference
<https://twiki.grid.iu.edu/twiki/bin/view/ReleaseDocumentation/EnvironmentVariables>, among others.
- I then configured rsv in similar fashion to tier2-osg. First pass through osg-rsv failed. Started okay with a second config for RSV.

Validation

- [SiteVerifyNov13](#)

wn-client

- choose uct2-grid7
- /share/wn-client-0.8.0 exported
- install correct pacman in /opt/pacman
- removed existing certificates sym link in /etc/grid-security/ that pointed to old OSG install
- pacman -get OSG:wn-client
- Options on install: (r) - use /etc/grid-security/certificates as location for certificates directory, as opposed to \$VDT_LOCATION/globus; answered "y" to automatic update of certificates, and logfile rotation.
- See [LogWnClientNov13](#)

Registered the MWT2_UC_SE w/ GOC

We now have a fully fledged and registered storage element on the OSG.

- Sent in a registration using this page:
<https://goc.grid.iu.edu/registration/main.php?whichReq=rp>

Remaining issues

- Configuration of WS-Gram
- More validation checks - RSV, VORS

-- [RobGardner](#) - 13 Nov 2007

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