



What should you know about OSG Software 3.0?

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Goal: Answer Two Questions

- What is new in OSG Software 3.0?
- How is the installation and configuration process different?

New stuff described at:

<https://twiki.grid.iu.edu/bin/view/Documentation/Release3/RPMWhatsNew>



What's new? RPMs!

- Installation is via yum/RPM
 - Support SL5, CentOS 5, RHEL 5
 - Yum repository is hosted at OSG GOC
 - We have a few mirrors; you're welcome to mirror it
 - Good practice when installing lots of worker nodes
 - We actually have a set of yum repos:
 - osg-release: What you usually use
 - osg-contrib: We'll host some unsupported software
 - osg-testing: If you try out pre-releases
 - osg-development: If you're really brave
 - We rely on EPEL repository
 - We use yum *priorities* to override software from OS and EPEL



Implications of RPM install

- Right now, we only have an RPM-based installation
- You must install as root
- It's hard to have multiple installations (like multiple `$VDT_LOCATION`)
- Simplest path to worker node is different:
 - We used to recommend one install on NFS
 - We expect you will use your cluster management system to install RPMs
 - This is a big change! How does it make you feel?



More implications of RPM install

- There is no \$VDT_LOCATION
 - Software is installed in /usr, /etc, /var...
 - There is no need for a setup.sh to change your environment
 - We do have empty setup.sh for jobs, to ease transition



Software changes

- Overall, the software stack is the same
- Software upgrades:
 - Globus 5.2 (was 4.0.8). No WSGRAM
 - New versions of Xrootd/Bestman2
 - Use LCMAPS instead of PRIMA for authorization
 - (Anyone using GUMS 1.2? You gotta upgrade to GUMS 1.3 or later!)
 - Numerous “little” upgrades that should be transparent



What software is available?

- Most of the software you expect is available as RPMs: CE, SE, ...
- But:
 - No GUMS
 - Coming soon. February?
 - No Gratia Service (a.k.a. Collector)
 - No Squid



Configuration changes

- Same style of configuring the CE
 - osg-configure is new name for configure-osg
 - Still have “config.ini”, but separate files in /etc/osg/ instead
 - Can *mostly* copy old config.ini, need minor changes
- Old VDT used to use “daemon” user for many services
- Following standard RPM practice, services create user if not already on system



Documentation

- All new documentation:

<https://twiki.grid.iu.edu/bin/view/Documentation/Release3/>

- Documentation is evolving
- Please holler when there are gaps and be patient with us



Open Science Grid

OSG Support

- Ask us directly:
goc@opensciencegrid.org
- OSG mailing lists:
 - osg-sites
 - osg-general
 - ...



Questions?

- I kept this purposefully short because I'm not sure what you want to know
- Please ask me questions now or after the meeting.
- Email:

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