

Increasing the Number of Opportunistic Resources for VOs

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OSG User Support



Purpose

- Opportunistic VOs looking for cycles
 - _ 51 VOs / 8 new
 - Can take a long time to get new VOs accepted on enough sites
- Why we ask sites to support more VOs
 - no automatically support for VOs
- What can OSG do better?



In a perfect world...

- 1) New VO is created
- 2) The VO is added to the VO package
- 3) Sites install the VO package
- 4) Sites set VO as supported to GUMS or edgmkgridmap
- 5) Sites add accounts / directories / priorities / ...
- 6) Support is advertised in BDII/ReSS
- 7) The VO finds out where they are supported
- 8) The VO verifies the sites
- 9) Verified sites are added to workload management system
- 10) Jobs start flowing!

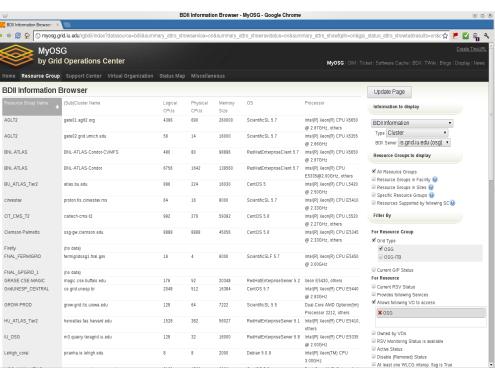


Which sites support the my VO?

Query ReSS or BDII

AGLT2
BNL-ATLAS
cinvestav
CIT_CMS_T2
CIT_CMS_T2
FNAL_FERMIGRID

gate02.grid.umich.edu/
gridgk01.racf.bnl.gov/
proton.fis.cinvestav.n
cit-gatekeeper2.ultral
cit-gatekeeper.ultrali
d0cabosg1.fnal.gov/jok





Compare list of potential VOs with list of sites the VO is already running on

```
condor status -any \
              -pool glidein-1.t2.ucsd.edu \
              -constraints 'stringListMember("OSGVO",Glidein_Supported_VOs)' \
              -format '%s\n' GLIDEIN_ResourceName \
 | sort | uniq
AGLT2
cinvestav
Firefly
FNAL FERMIGRID
GridUNESP_CENTRAL
GROW-PROD
MWT2 IU
```



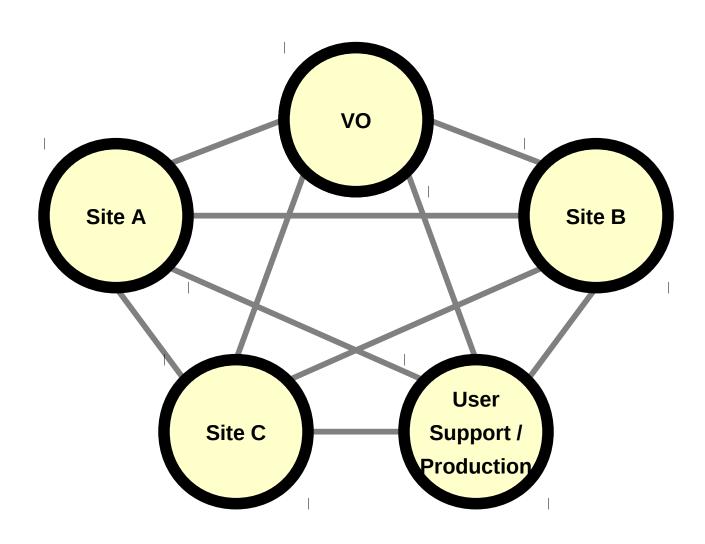
Sites advertise support for my VO is supported, but do they work?

Advertised support is **not** verified by the infrastructure

 Good idea to at least run simple globusjob-run jobs to verify the site before adding it to workload management system



What about sites which do not support my VO – can I convince them to support us?





User Support / VO Forum

The goal of User Support is to enable new communities to quickly adopt the OSG DHTC model and to improve productivity for all VOs as OSG service capabilities evolve.

https://twiki.grid.iu.edu/bin/view/VirtualOrganizations/WebHome

user-support@opensciencegrid.org

Call every other Tuesday at 1pm central



Production Calls

OSG Production is the culmination of many OSG efforts including testing, integration, services, support, operations, hardware, software, and security -- VO's get their jobs run, their data analyzed, and in so doing enable the advancement of science.

https://twiki.grid.iu.edu/bin/view/Production/WebHome

Call every Tuesdays 3:00 Central



Wishlist

- Sites to support more VOs by default
 - Use priorities between VOs

- More automatic everything
 - Discovery / job flow
 - VO propagation
 - Site setups