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# CMS Central Service

## Node access

### Federation

Host	Foreman hostgroup	Remark	DNS alias name	Status
vocms031	vocms/xrootd/redirector	Redirector for transitional federation	cms-xrd-transit.cern.ch	Active
vocms032	vocms/xrootd/redirector	Redirector for transitional federation	cms-xrd-transit.cern.ch	Active
vocms039	vocms/xrootd/monitor	Kibana probe .xml generator, JSON for SSB, cms.allow host for AAA	xrdfedmonitor-cms.cern.ch	Active

### AAA scale test pool

Host	Foreman hostgroup	Remark	Note
vocms0101	vocms/xrootd/htcondor	code/manifests/xrootd/htcondor	HTCondor Master/Collector
vocms0176	vocms/xrootd/htcondor	code/manifests/xrootd/htcondor	Node with N job slots
vocms0178	vocms/xrootd/htcondor	code/manifests/xrootd/htcondor	not configured; Node with N job slots
vocms0179	vocms/xrootd/htcondor	code/manifests/xrootd/htcondor	not configured; Node with N job slots
vocms0191	vocms/xrootd/htcondor	code/manifests/xrootd/htcondor	not configured; Node with N job slots
vocms0187	vocms/xrootd/htcondor	code/manifests/xrootd/htcondor	not configured; Node with N job slots
vocms0188	vocms/xrootd/htcondor	code/manifests/xrootd/htcondor	not configured; Node with N job slots
vocms0102	vocms/xrootd/htcondor	code/manifests/xrootd/htcondor	not configured; Node with N job slots
vocms0103	vocms/xrootd/htcondor	code/manifests/xrootd/htcondor	not configured; Node with N job slots

The access to the xrootd nodes is defined via puppet here [here](#). Changes in this files can be implemented by the members of the cms-service-xrootd-admins [e-group](#). Currently access to the nodes is the following:

- Interactive ssh - members of the cms-service-xrootd [e-group](#).
- sudo - members of the cms-service-xrootd [e-group](#).
- Interactive root - LanDB [e-group](#) responsible of the nodes i.e. members of the cms-service-xrootd-admins [e-group](#).

## Updating Puppet configuration

- Puppet configuration for vocms machines can be found at:  
<https://gitlab.cern.ch/ai/it-puppet-hostgroup-vocms/tree/master/code/manifests/xrootd/>
  - ◆ keep in mind all changes need to be committed first to QA branch, so make sure checkout QA env [and](#) work there to validate things before merging into production.
- Permissions for the hosts can be found at:  
<https://gitlab.cern.ch/ai/it-puppet-hostgroup-vocms/blob/master/data/hostgroup/vocms/xrootd.yaml>
  - ◆ per host access at: <https://gitlab.cern.ch/ai/it-puppet-hostgroup-vocms/tree/master/data/fqdns>
  - ◆ Users in "cms-service-xrootd-admins" group should have access on the repository
    - ◇ RW+ VREF/NAME/ (code|data) / (templates|manifests|files|hostgroup) / (vocms|) xrootd
    - ◇ RW+ VREF/NAME/data/fqdns/vocms0(27|28|37|38).cern.ch.yaml = @cms-service-xrootd-admins
  - ◆ You can check from the following page who is in this e-group (click the "Members" tab)
    - ◇ <https://e-groups.cern.ch/e-groups/Egroup.do?egroupName=cms-service-xrootd-admins>
- to see which hostgroup does the machine belong to, connect with ssh and check "Puppet hostgroup" in the output and also "Puppet environment"

```
[lxplus108:~]$ ssh vocms037
Last login: Wed Oct 11 22:06:41 2017 from lxplus065.cern.ch
* *****
```

```
* Welcome to vocms037.cern.ch, SLC, 6.9
* Archive of news is available in /etc/motd-archive
* Reminder: You have agreed to comply with the CERN computing rules
* https://cern.ch/ComputingRules
* Puppet environment: production, Roger state: production
* Foreman hostgroup: vocms/xrootd/monitor
* VOCMS cluster node
* Responsible: cms-voc@cern.ch
* * WARNING, vocms037.cern.ch has lemon exceptions:
*   exception.Operating_System
* *****
```

- It is "vocms/xrootd/monitor" for the vocms037. Try to find related config files in the repository
  - ◆ Note: with the above hostgroup, puppet will execute vocms.pp, xrootd.pp and monitor.pp
- If you do not have the repository locally yet, clone it using your kerberos credential
  - ◆ `git clone https://:@gitlab.cern.ch/kerberos/it-puppet-hostgroup-vocms`
- Change the files you want to update, and use git commands to add/commit/push it to the repository.

## Adding crontabs without puppet

- cron.d directory can be used for your cron entries, puppet will not override them
- acrontab entries can be added with a user or service account, puppet cannot access/change them

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