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Setup Instructions for New Team Members

Accounts, Group Memberships, Certificates, Etc.

Computing account at FNAL*

- ♦ to get this, follow the instructions at http://www.uscms.org/uscms_at_work/computing/getstarted/getaccount_fermilab.shtml [↗](#)
- ♦ When using the FNAL service now mask should not select Computing/IT professional access only . Although this is technically correct, this will end up requesting a service provider account at FNAL, as if you would run SAM or jobsub.

Computing account at CERN*

- ♦ to get this, follow the instructions here: <https://twiki.cern.ch/twiki/bin/view/CMSPublic/WorkBookGetAccount>
- ♦ Remember that you must be in the 'zh' group (CMS Computing Group) in order to access some of the services.
- ♦ If you will be Working at CERN, follow the steps to get registered at CERN here: http://www.uscms.org/uscms_at_work/working_cern/registration.shtml [↗](#)
- ♦ **remember to CC** cms-comp-ops-workflow-team@cernNOSPAMPLEASE.ch telling that you need access **if you are going to be part of the Workflow Team**

CERN user certificate* installed on your web browser

- ♦ to get this, go to <https://ca.cern.ch/ca/> [↗](#) and click on "New User Certificate"

CMS VO Registration*

- ♦ go to the CMS VOMRS server [↗](#), and follow the instructions
- ♦ Select all the necessary roles for your functions (Ask Jen Adelman-McCarthy or David Mason)
 - ◊ You need at least be in:
 - /cms/uscms
 - /cms/TEAM

CMS hypernews account* and subscribe to the hn-cms-comp-ops mailing list

- ♦ to get this, go to <https://hypernews.cern.ch/HyperNews/CMS/add-member.pl> [↗](#)
- ♦ to subscribe to the hn-cms-comp-ops mailing list, go to <https://hypernews.cern.ch> [↗](#), log in to CMS HyperNews, and click on "Subscribe to Forums," and subscribe to the "Computing Operations", "Computing Project Announcements", "CERN Computing Announcements" hypernews
- ♦ Site Support team members should subscribe to both hn-cms-comp-ops and hn-cms-t2

Elog account*

- ♦ to get this, go to <https://cmslogbook.cern.ch/elog/Workflow+processing/?cmd=New+user> [↗](#)
- ♦ Write an e-mail to cms-voc@cernNOSPAMPLEASE.ch describing shortly who why you want access to the "Workflow Processing" e-log.

TWiki registration*

- ♦ go to <https://twiki.cern.ch/twiki/bin/view/Main/WebHome> and select Registration

Github account*

- ♦ Go to <https://github.com/> and create a new GH account if not already created and share it with your supervisor to be a contributor to the project.

Getting access to cmst1 account*

- ♦ Send an email to Sharad and Alan providing your CERN AFS/Nice username **with CC to cms-comp-ops-workflow-team@cern.ch**. Since you need to:
 - ♦ be added to the AFS cmst1:users
 - ♦ be added to the cms-comp-ops-workflow-team egroup
 - ♦ be added to the cmst1.pp puppet manifest

Subscribe to E-groups*

- ♦ to do this, go to <https://e-groups.cern.ch/> and log in with your CERN username and password
- ♦ search for and subscribe to these e-groups:
 - ♦ cms-comp-ops
 - ♦ cms-comp-ops-workflow-team

Become a member of the zh:lcg_writers afs group (for site support team members)

- ♦ Search and apply for this e-group: cms-afs-lcg-writers, it synchronized to the afs group once per day
- ♦ You need to be a member of this afs group in order to have permission to edit files which you will need work on them
- ♦ You can check members of this group by using this command: pts membership zh:lcg_writers
- ♦ Note, when you get the membership, do not forget to renew your afs token by using this command: kinit

Become a member of the cmsdataops account at FNAL

- ♦ to do this, contact Jen Adelman-McCarthy requesting to be added to the cmsdataops account at fnal

Make sure you appear in SiteDB

- ♦ to do this, go to <https://cmsweb.cern.ch/sitedb/prod/people/> and search for your name
- ♦ if not, contact the site support team
- ♦ Request the following roles to the workflow team group: dbs:operator and reqmgr:admin and ProductionOperator:DataOps group.

GGUS account*

- ♦ Go to <https://ggus.eu/>
- ♦ Load your certificate information.

- ◆ Use Registration link on the left side panel and select Support access (So you can update tickets).

Proxy-ssh and SSH tunnels* to several machines at FNAL and CERN

- ◆ In order to access the WMAgent instances and for some monitoring plots to show up, you will need to create ssh tunnels to several machines.
 - ◆ Follow the instructions [HERE](#)
 - ◆ If you would monitoring the agent machines, you should also be enroled in the cmst1 group. Ask who owns the cmst1 password to add you.

Proxy certificate*: installing your cert in remote machines and getting a proxy

- ◆ A proxy certificate is needed for any operation that uses ssl (authentication X509). These operations are: move files within the grid, to assign jobs, and to access to cmsweb.
 - ◆ This needs to be re-done once your proxy expires (usually 1 or 2 days)
 - ◆ export your myCert.p12 from your browser to your home area [do cd ~ in shell to find out where is it]
 - ◆ once a year you will need to renew your proxy.
- ◆ unpack it by doing the following:

```
cd ~ # this moves to your home area
openssl pkcs12 -in myCert.p12 -out myPublicCert.pem -clcerts -nokeys # this creates:
openssl pkcs12 -in myCert.p12 -out myPrivKey.pem -nocerts #this creates : myPrivKey.
[enter a new password to protect your private key]
```

◇ more info: http://en.wikipedia.org/wiki/Public-key_cryptography

- ◆ now move these to your afs space:

```
◇ from local machine do:
ssh lxplus.cern.ch
```

```
then in lxplus or cmspc do:
mkdir .globus [this is the standard place for voms certificates]
```

```
from local machine do:
cd ~
scp ~/myPrivKey.pem lxplus7.cern.ch:~/.globus/userkey.pem
scp ~/myPublicCert.pem lxplus7.cern.ch:~/.globus/usercert.pem
```

1. now you need to change permissions on the files:

```
chmod 400 userkey.pem # owner read only
chmod 600 usercert.pem # owner R&W
```

- ◆ you are now ready to get your proxy:
 - ◇ lxplus (new SL6 machines)

```
voms-proxy-init -voms cms
```

- ◇ lxplus5 (old SL5 machines):

```
source /afs/cern.ch/cms/LCG/LCG-2/UI/cms_ui_env.sh voms-proxy-init -voms cms
◇ cmspc:
```

```
source /uscst1/prod/grid/gLite_SL5.sh voms-proxy-init -voms cms
```

- **Access to the T&I Services: ACDC Console**

- ◆ ACDC Console is behind CERN firewall, so one needs to tunnel into CERN network to access. Please follow the following instructions to do so:

- ◇ For Firefox;

- Download the FoxyProxy extension:
<https://addons.mozilla.org/en-US/firefox/addon/foxyproxy-standard/>
- Configure it w/ the following settings:
 - Proxy Type: SOCKS5
 - Proxy IP address or DNS name: localhost
 - Port: 8090
- Open up your terminal and run the following command:
 - `ssh -ND 8090 haozturk@lxplus.cern.ch`
- Now, you should be able to access to the console:
<https://wfrecovery.cern.ch/>

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