

Registering your new certificate with CMS VOMS

NOTE: this page is outdated as the VOMS registration/management system got updated to a new version. A new version of this page is available at: VoRegForExistingMemberNew

In order to access grid resources, you must register your new certificate with CMS VOMS. Follow the steps below.

1. Before you register your new certificate, you should first find out about what existing roles and groups you are a member of. You will perform this step with your old certificate that is already registered in CMS VOMS. When you register your new certificate, you will make a request to join the same groups/roles. Go to <https://lcg-voms.cern.ch:8443/vo/cms/vomrs?path=/RootNode/MemberAction/SetMbrGroupsAndGroupRoles>. Carefully make a list of all the groups/roles you have. We will use this list later when you finish registering your certificate.

The screenshot shows the 'cms VO Registration' interface. On the left is a navigation menu with options like 'Member Info', 'Certificates', and 'Groups and Group Roles'. The main content area is titled 'Select your groups and group roles' and includes a table of available groups and roles.

Group	Group Description	Group role
/cms	all CMS members	
		cmsfrontier
		cmsphedex
		cmsprod
		cmssoft
		cmst0admin
		cmst1admin
		cmst2admin
		cmst3admin
		cmsuser
		hiproduction
		hit1production
		lcgadmin
		pilot
		priorityuser
		production
		t1access
		t1production
/cms/ALARM	CMS alarmer	
/cms/TEAM	CMS operational team members	

2. Before you register your new certificate, you should find out about your VO representative. This person will approve your VOMS registration and the group/roles you have in VOMS. Once you register your new certificate, you will email this person with the roles you need with your new certificate. With your old certificate loaded in your browser, Go to <https://lcg-voms.cern.ch:8443/vo/cms/vomrs?path=/RootNode/MemberAction&action=execute>. Select the output fields: First Name, Last Name, and Rep DN. The example below the user is Mine Altunay Cheung and her representative's DN is Tony Tiradani. For now, just make a note of who is your representative.

cms VO Registration

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Member Info

Select output fields:

First name Last name Office location Organizational id Phone number
 Comments Institute Member DN Member CA Member E-mail
 Status Status Reason Roles Rights Rep DN
 Rep CA Aliases Groups [Roles] VO Exp Date Inst Exp Date
 AUPs Vsn

Results

First name	Last name	Rep DN
Mine	Altunay Cheung	/DC=com/DC=DigiCert-Grid/O=Open Science Grid/OU=

3. Go to

<https://lcg-voms.cern.ch:8443/vo/cms/vomrs?path=/RootNode/MemberAction/MemberDNs/AddDN&action=>
. When your browser asks you to present your certificate, select the certificate that is already registered in the CMS VOMS (e.g., your certificate from the DOEGrids CA). Below is the screen you should be seeing (NB: in this case, the certificate that was already registered in the CMS VOMS is from the CERN CA, as shown in the red text).

cms VO Registration

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- [\[-\] Member Info](#)
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- [\[-\] Certificates](#)
 - [Add Certificate](#)
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Add Certificate

[Show Help](#)

Select output fields:

is Primary Status Serial Number CA Status Reason
 Status Reason Status Mod Date Creation Date First name Last name
 Office location Organizational id Phone number Comments Institute

'ou are logged in as /DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=maltunay/CN=741093/CN=Mine Altunay Cheung
DC=ch/DC=cern/CN=CERN Trusted Certification Authority

4. Do a search for yourself. Simply click on the Search button shown in the previous screen. You can select "is Primary" and "Status". Below is the screen you should be seeing (NB: The Member DN and Member CA should match the red text in the previous screen).

Select output fields:

is Primary Status Serial Number CA Status Reason
 Status Reason Status Mod Date Creation Date First name Last name
 Office location Organizational id Phone number Comments Institute

Results**Choose/modify desired result:**

Member DN	Member CA	is Primary	Status	New DN
/DC=ch /DC=cern /OU=Organic Units/OU=Users /CN=maltunay /CN=741093 /CN=Mine Altunay Cheung	/DC=ch /DC=cern /CN=CERN Trusted Certification Authority	Y	Approved	<input type="text"/>

5. Please enter your new DN in the "New DN" box. You should also select the CA that issued your new DN from the list of CAs. The following screen shows what end user needs to do (NB: in this case, the DN for the new certificate was issued by the DigiCerts CA, and the DigiCerts CA was selected from the drop-down menu).

Choose/modify desired result:

Member CA	is Primary	Status	New DN
/DC=ch /DC=cern /CN=CERN Trusted Certification Authority	Y	Approved	<input type="text" value="/DC=com/DC=DigiCert-Grid/OU=People/CN=Mine Altunay Cheung"/> <input type="text" value="/DC=com/DC=DigiCert-Grid/OU=People/CN=Mine Altunay Cheung"/>

6. Click submit. VOMS-Admin needs to approve your request to add your new certificate to the VOMS.
7. You will receive a new email when that happens.
8. With your newly registered cert loaded in your browser, go to <https://lcg-voms.cern.ch:8443/vo/cms/vomrs?path=/RootNode/MemberAction/SetMbrGroupsAndGroupRoles> one more time. Unlike the screenshot in Step1, you will not have any approved groups/roles associated with this certificates. Select the group and role you want to be a member of, and then click submit button at the left bottom corner of the screen.
9. Email your representative with the role requests you made. If your rep is Tony Tiradani, email him at tiradani AT fnal.gov. If your rep is Patrick Gartung, email him at gartung AT fnal.gov
10. Your group/role requests should be approved by the VOMS Administrator. You will receive an email when that happens. If you do not hear from the VOMS admins, then open a GGUS ticket.

This topic: CMSPublic > VoRegForExistingMember

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