
DOSAR VO Services Status

DOSAR III Workshop

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VOMS Service

- Virtual Organization Membership Services
 - Manages list of members in the VO
 - Hosted on thegrid.dpcc.uta.edu
 - Provides list to gatekeepers or GUMS hosts
 - Gatekeepers use mapping service to map incoming requests to a local account
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VOMS Service details

- VOMS is web-service

<https://thegrid.dpcc.uta.edu:8443/edg-voms-admin/dosar/index.html>

- VOMS installed using VDT 1.3.6 components

- Apache
- Tomcat 4
- VOMS admin
- MySQL

- Managed by Patrick McGuigan
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VOMS Service operations

- Users generate request with their certificate within the web-service
 - Users confirm the request is made
 - Currently, users **MUST** notify VOMS-administrator that request was made
 - Members wait until VOMS administrator approves request
 - We are not using Roles yet
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VOMS Service Flat Mapping

- Single grid-mapfile:
 - Generated by edg-mkgridmap per gatekeeper
 - VOMS server provides DN's to gatekeeper
 - A DN is mapped to ONE local account
 - In default OSG configuration no DOSAR members are mapped to local dosar account
 - No PRIMA call-out
 - Using voms-proxy-init does not help!
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VOMS Service Dynamic Mapping

- Based on PRIMA/GUMS
 - GUMS maintains possible mappings in DB
 - PRIMA allows the gatekeeper to read credential generated from voms-proxy-init, query GUMS
 - Mapping is based on DN, VO, and role
 - A DN can be mapped to multiple local accounts based on proxy
 - Using voms-proxy-init is required
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VOMS Service issues

- Access to OSG sites
 - Minimum requirements:
 - Local dosar account
 - Our VOMS is contacted for user list
 - Accounting issues (credit for dosar work):
 - Users only in DOSAR VO can suffice with sites having above and using flat mapping
 - Users in multiple VO's need to use sites with GUMS/PRIMA enabled
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VOMS Service recommendations

- DOSAR Sites:
 - ❑ Should have local dosar account
 - ❑ Should have VOMS server as part of mapping system
 - ❑ Should be prepared to move to Full Privilege Model
 - Other OSG sites
 - ❑ Need to identify sites providing good/better/bad service to our VO
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VOMS Server

The screenshot shows a Mozilla Firefox browser window titled "Virtual Organization Membership Service - Mozilla Firefox". The address bar displays the URL "https://thegrid.dpcc.uta.edu:8443/edg-voms-admin/dosar/index.html". The browser's menu bar includes "File", "Edit", "View", "Go", "Bookmarks", "Tools", and "Help". The page content features the Data GRID logo on the left and the title "Virtual Organization Membership Service" on the right. Below the title is a navigation bar with "VOMS" and a slash. The main content area is divided into a left sidebar and a main text area. The sidebar contains sections for "User access", "Administration", "Configuration", and "Sibling VOs", each with several links. The main text area has a large heading "Welcome to the DOSAR VOMS service!" followed by three paragraphs of introductory text. At the bottom of the page, there is a copyright notice. The browser's status bar at the bottom shows "Done" on the left and "thegrid.dpcc.uta.edu:8443" on the right.

Virtual Organization Membership Service - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

https://thegrid.dpcc.uta.edu:8443/edg-voms-admin/dosar/index.html

Getting Started Latest Headlines Panda monitor front pa... National Weather Servi...

Data GRID

Virtual Organization Membership Service

VOMS /

User access
[Your Information](#)
[Request Membership](#)
(new user registration)

Administration
[Administrate VOMS](#)
[Historical Information](#)
[Request Handling](#)

Configuration
[Grid Configuration](#)

Sibling VOs
[Other VOs on this server](#)

Welcome to the DOSAR VOMS service!

If you are interested in requesting membership in the Distributed Organization for Scientific and Academic Research Organization Virtual Organization, follow the Request Membership link on the left.

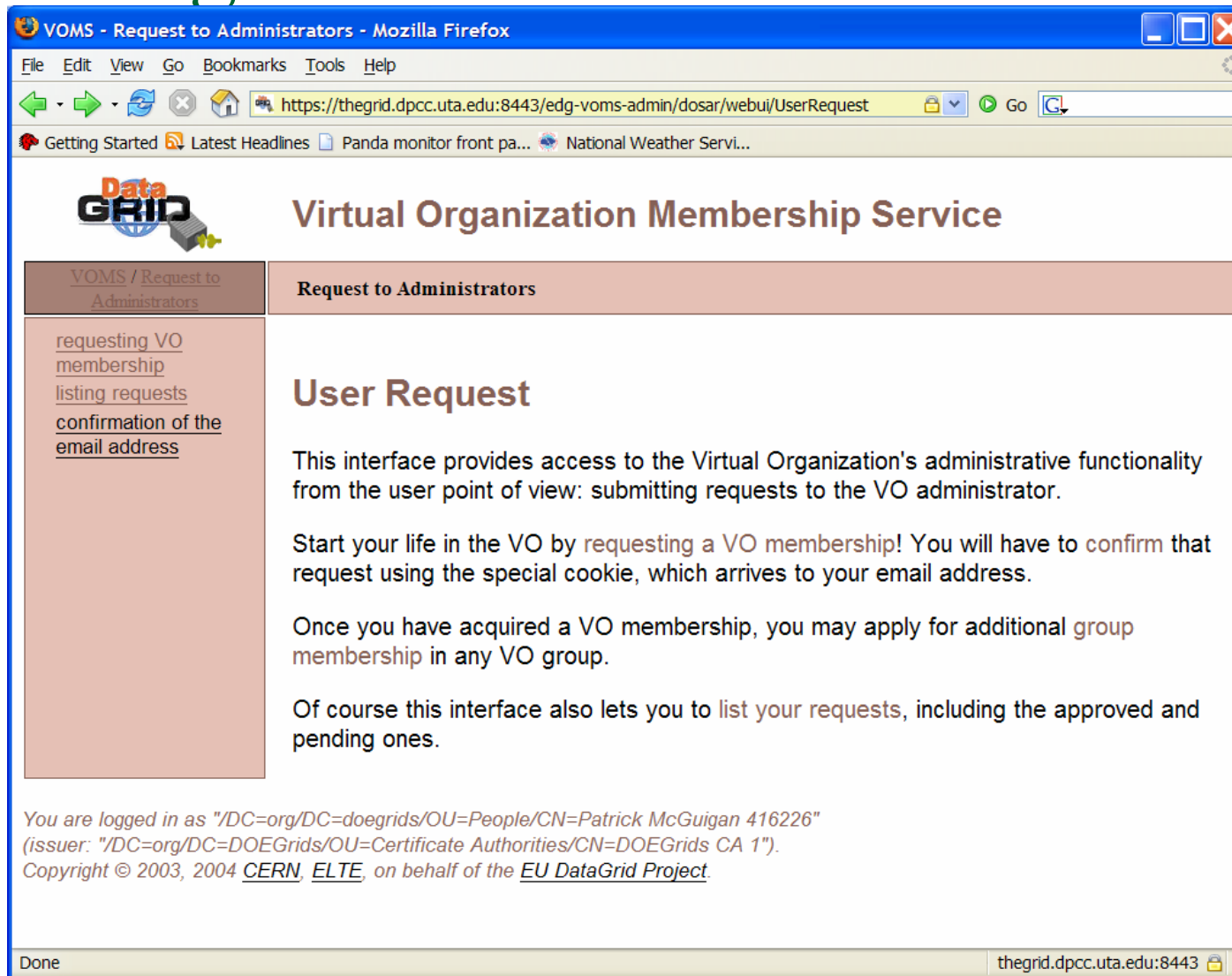
If you need information about configuring your OSG/Grid3 systems to work with this server, follow the Grid Configuration link on the left.

If you would like to view the users of DOSAR, Follow the Adminstrate VOMS link.

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edg-voms-admin interface v0.3.2; implementation v0.7.6.

Done thegrid.dpcc.uta.edu:8443

User Registration



The screenshot shows a Mozilla Firefox browser window titled "VOMS - Request to Administrators". The address bar contains the URL "https://thegrid.dpcc.uta.edu:8443/edg-voms-admin/dosar/webui/UserRequest". The page features the Data GRID logo and the title "Virtual Organization Membership Service". A navigation menu includes "Request to Administrators" and "Request to Administrators". The main content area is titled "User Request" and contains the following text:

[requesting VO membership](#)
[listing requests](#)
[confirmation of the email address](#)

User Request

This interface provides access to the Virtual Organization's administrative functionality from the user point of view: submitting requests to the VO administrator.

Start your life in the VO by **requesting a VO membership!** You will have to **confirm** that request using the special cookie, which arrives to your email address.

Once you have acquired a VO membership, you may apply for additional **group membership** in any VO group.

Of course this interface also lets you to **list your requests**, including the approved and pending ones.

*You are logged in as "/DC=org/DC=doegrids/OU=People/CN=Patrick McGuigan 416226"
(issuer: "/DC=org/DC=DOEGrids/OU=Certificate Authorities/CN=DOEGrids CA 1").
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Done thegrid.dpcc.uta.edu:8443

Required Information

VOMS - requesting VO membership - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

https://thegrid.dpcc.uta.edu:8443/edg-voms-admin/dosar/webui/UserRequest/create

Getting Started Latest Headlines Panda monitor front pa... National Weather Servi...

Once confirmed, your request will automatically be forwarded to the VO manager.

IMPORTANT: By submitting this information you agree that it may be distributed to and stored by VO and site administrators, that action may be taken to confirm the information you provide is correct, that it may be used for the purpose of controlling access to VO resources and that it may be used to contact you in relation to this activity.

DN: /DC=org/DC=doegrids/OU=People/CN=Patrick McGuigan 416226
CA: /DC=org/DC=DOEGrids/OU=Certificate Authorities/CN=DOEGrids CA 1

CA URI:

Family Name:

Given Name:

Institute:

Phone Number:

Email:

comment:

You are logged in as "/DC=org/DC=doegrids/OU=People/CN=Patrick McGuigan 416226"
(issuer: "/DC=org/DC=DOEGrids/OU=Certificate Authorities/CN=DOEGrids CA 1").
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Done thegrid.dpcc.uta.edu:8443

Email address confirmation for VO - Thunderbird

File Edit View Go Message Tools Help

Get Mail Write Address Book Reply Reply All Forward Delete Junk Print Stop

Subject: Email address confirmation for VO
From: mcquigan@cse.uta.edu
Date: 3:25 AM
To: mcquigan@uta.edu

Email address confirmation for VO

A request for a VO membership on dosar has been made using this email address.

Please click on the following URL to confirm this email address,

<https://thegrid.dpcc.uta.edu:8443/edg-voms-admin/dosar/webui/UserRequest/confirm?cookie=fpahi0pezsv7unlo&reqid=16>

For this operation you have to use the same browser that you used for registration to have your certificate available.

If you wish to confirm it any other way, then you need the following information:

Request number : 16
Confirmation cookie: fpahi0pezsv7unlo

Once you have confirmed your email address the following information will be sent to the VO administrator:

Name : McGuigan, Patrick
Email : mcquigan@uta.edu
Institute : UTA
Phone Number : 8172721051
Certificate DN : /DC=org/DC=doe grids/OU=People/CN=Patrick McGuigan 416226
Certificate CA : /DC=org/DC=DOEGrids/OU=Certificate Authorities/CN=DOEGrids CA 1
Comment :

The VO administrator will contact you to confirm account creation.

If you have not made this request please contact the VO registrar as soon as possible.

Thank You,
VO Registration