

VOMRS Groups and Group Roles Assignment.

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(Draft proposal)

Introduction

The Virtual Organization Management Service (VOMRS) allows assigning members of a Virtual Organization to particular groups available within this organization and to specific group roles within the selected group. If the VOMRS is set up in such a way that synchronization with VOMS is turn on then the group and group role assignments are propagated to a relevant VOMS instance. The groups and group roles can be later used by grid user when she/he requests a proxy certificate from VOMS by issuing voms-proxy-init and specifying a group and/or group role. This information is added to proxy certificate as attributes.

Current Implementation

In current VOMRS implementation a person can be assigned/de-assign to/from group and group role by various type VO administrators, namely: VOAdmin , or GroupOwner /GroupManager of this group. A VO member can request to join a particular group or to be assigned to some group role within this group by sending email to a VOAdmin or a relevant GroupOwner/GroupManager. The email addresses of these administrators can be found in VOMRS Web UI under Groups & Group Roles menu.

This procedure creates an additional load on VO administrators because they have to store and be able to access their emails in order to decide what group and group role a VO member wants to be assigned.

Proposed Changes

The new feature that allows a VO member to specify the desired group and group role is requested by Dzero and LCG VO administrators. This permits VO administrators to interfere only when they want to deny member access to a particular group and/or group roles. A member will have a status associated with each group/group role assignment. It will be set to “Approve” during initial request and can be later changed to “Denied” by VO Admin, Group Owner/Group Manager.

This feature will be optional and will be setup during initial configuration and installation of the VOMRS. If this option is turned off the current implementation will be in place (Members are not allowed to do any assignments to group / group roles).

Below is the description of the tasks related to group/group roles assignments relevant to each VOMRS role if the feature is turned on in configuration.

Candidate Tasks

Candidate can select her/his role assignment during Phase II of registration (after she/he has confirmed the email address). The request for approval will be send to Institutional Representative (and cc to VOAdmin). GroupOwner/GroupManager will be notified about the assignment as soon as Candidate is approved by Institutional Representative or VO Admin and become a Member.

Member Tasks

Member can choose group and group role assignment at any time. The changes will take place right away and VOAdmin and GroupOwner/GroupManager will be notified about these changes. The only time a member can not change group/group role assignment is when the status relevant to this group/group role is set to “Denied” by VO administrators. This will prevent member from attempt to de-assign and re-assign himself from/to the group he has been denied access.

Member that has membership status different from “Approve” will not be able to select group, group role assignments.

Group Owner & Group Manager Tasks

Group Owner can create/remove subgroups of the group he is a GroupOwner. He can also assign to a member an administrative role of GroupOwner or GroupManager of any groups/subgroups he owns.

Group Owner and Group Manager can assign/de-assign a member to/from any group role and any groups she/he owns or manages. GroupOwner and Group Manager can deny the member’s selection of group/group role.

VOAdmin Tasks

VOAdmin is a GroupOwner of the top VO group so he has all privileges and responsibilities of a GroupOwner of this groups and subgroups.