

Date: 7 Jul 2011

EGI response to:

*** MAPPER/PRACE/EGI Task Force - step by step approach ***

A list of actions required on the MAPPER side

0) [...] provide detailed descriptions of applications, tools and core services which will be used for MAPPER demonstrations

- on a head node: QosCosGrid-Computing (a new OGF BES compliant service offering Advance Reservation features, integration via OGF DRMAA + AR APIs with the underlying queuing systems)

- on working nodes: MUSCLE library, two multi-scale application packages involved in the 1st MAPPER review

1) [...] All application and middleware developers have to have valid X.509 certificates

(accepted at least on one production machine that will be used for demonstrations)

2) [...] collect relevant information for account creation on the MAPPER wiki (DN, first/second name, institution, etc.)

3) [...] official documents from resource providers must be signed by end-users

4) [...] two complementary groups of end-users must be defined to deal with:

a) application tools - WP7/8

b) core infrastructure services - WP4/5/6

5) [...] start deploying individual software components in the user space, if an additional support for software deployment is needed, contact local admin

6) [...] add Nagios monitoring probes for new software components that are successfully deployed

7) [...] test all software components individually

8) [...] test integration and interactions among:

a) loosely and tightly coupling mechanisms

b) service chain invocation and integration

c) lib 2 lib

d) apps 2 middleware using advance reservation (QosCosGrid - Computing)

e) middleware 2 middleware via Interoperability services: QosCosGrid-Broker

and Application Hosting Environment

9) [24th November 2011] start testing complete two scenarios for the 1st MAPPER review

A list of actions required on the PRACE and EGI sides

0) [...] identify a list of machines that will be used for the first review

This decision depends on the flavour of middleware that your software (the workflow manager) can interact with. EGI Machines run gLite, ARC or UNICORE middleware. Which one is your workflow manager compatible with?

Once we know the possible middleware flavour(s) we can:

1) Give you access to a Virtual Organisation that has machines with this flavour

OR

2) Setup a new Virtual Organisation to collect machines from the infrastructure with this middleware.

- 1) [...] collect documents that must be signed by end-users to proceed with the remote access

End users do not have to sign any paper. Every Virtual Organisation has its own "Acceptable Use Policy". The users accept this with a click when they join the Virtual Organisation. Once we know which Virtual Organisation will be used (Point 1 or 2 above) we will know what Acceptable Use Policy the users will have to accept.

- 2) [...] enable the access to preproduction machines, e.g create needed accounts, provide access tools

Users do not have accounts on production machines. They join Virtual Organisations with Personal User Certificates. Certificates can be obtained from National CAs – www.iqtf.net)

The type of user interfaces that we can provide depend on several factors:

- 1) What interfaces are provided by your software? (the workflow environment where the multiscale applications will be defined and executed)
- 2) What type of persons should be served? The application developers (who define the multi-scale workflows) or end-users (who will run these workflows with their own input)?
- 3) What type of middleware you will use from EGI? (See decision point above)

- 3) [...] install new software components:

- on a head node: QosCosGrid-Computing
- on working nodes: MUSCLE library

Please send us the links of the installation manuals and the installation packages.

We involve technical experts to see the options we have for the installation.

Generally speaking, every EGI machine has a "middleware area" that cannot be touched by users and where the middleware services reside, and a "user area" where the users (typically a few "software manager" of the Virtual Organisation) can install custom software.

- 4) [...] monitor and check the availability of new software components

Could you clarify what this point means?

- 5) [...] support end-users requests and report problems to responsible end-users

This can be done through the support staff that VOs and sites have in the EGI Helpdesk.

- 6) [...] participate in testing efforts

This will be done once the above points are clarified.