

*** 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
 - PSNC
 - Cyfronet
 - LRZ
 - SARA
 - ?
- 1) [...] collect documents that must be signed by end-users and approved by resource providers (if needed) to proceed with the remote access for basic application testing
- 2) [...] enable the access to preproduction machines, e.g create physical accounts, provide access tools, etc.
 - a set of MAPPER users for now is limited (around 10 users)
- 3) [...] install new software components:

- on a head node: QosCosGrid-Computing
 - on working nodes: MUSCLE library
- 4) [...] monitor and check the availability of new software components
 - 5) [...] support end-users requests and report problems to the mailing list
 - 6) [...] participate in testing efforts