**MoU – Milestone Report**

M1.4: Strategies for Service Monitoring and Management

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| Abstract  This report describes the strategies for service monitoring and management by the EMI project. |

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# Strategy for service monitoring

The revised EMI Technical development plan [1] lays down the EMI strategy with respect to service monitoring and service remote management.

i) For service monitoring, the short-term plan to follow is to meet the EGI requirement so that every EMI server-side product is delivered together with a monitoring probe. Currently, EGI is requesting external probes for NAGIOS system. Some probes have been developed during the EGEE project or provided by NGIs or other parties. EMI will take over the maintenance of these probes and incorporate them into the EMI software distribution. Furthermore, EMI will develop the probes for the EMI production services that currently have none.

This task, the "NAGIOS probes" task [2] is captured by the EMI technical objective X4 due by October 2011: "X4: Provide and support monitoring probes for EMI services (e.g. Nagios)."

The already available probes will be gradually released together with the EMI Kebnekaise updates while the complete set of probes are expected to be available latest by end of October 2011.  
  
On a middle and longer term, EMI will investigate other alternative technical solutions for service monitoring as long as community requirement is received for those. Currently, only Nagios probes are requested.  
  
ii) The service remote management task has a mandate to deliver a report on different alternatives with respect to service remote management interface with special focus on possible usage of messaging technology. The investigation is due by April 2012:

"I8: Investigate service remote management interface for the compute, data, security and infrastructure area services, including remote configuration change and service management, utilizing the  
messaging system."

When it comes to service remote management EMI is eager to listen to computing centers and NGIs and find out what sort of remote management infrastructure those would like to be delivered. Remote service management is an area where quick ad-hoc solutions are not appreciated and hardly ever reach deployment status. Therefore, EMI's principal strategy concerning remote service management is find out real customer needs and evaluate the eventually required development efforts behind. EMI will do this investigation in cooperation with EGI.

# Strategy for service Management

# References

[1] [https://twiki.cern.ch/twiki/bin/view/EMI/DeliverableDNA132](https://twiki.cern.ch/twiki/bin/view/EMI/DeliverableDNA132" \t "_blank) (should be changed to proper link once the final version is out)

[2] Internal EMI Nagios page: [https://twiki.cern.ch/twiki/bin/view/EMI/NagiosProbes](https://twiki.cern.ch/twiki/bin/view/EMI/NagiosProbes" \t "_blank)