

CIM-based Grid Schema (CGS-WG)**Working Group:**

CIM-based Grid Schema (CGS-WG)

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The CGS working group wants to define a new Grid information model based on the Common Information Model (CIM) that is being standardized by the DMTF (www.dmtf.org) and thus replace the work produced by the Grid Object Specification activity. A common information model is needed as base of interoperability between the object definitions of the different Grid Working Groups and in this community CIM finds more and more interest as a possible solution for satisfying this need.

The results of this working group will help in the creation of an interoperable Grid architecture, and will thus have impact on deployment and operations. Since it is work on a meta information model no special security issues will have to be addressed.

Goals/Milestones:

Goals	The group expects that the following goals will be pursued and met:
	<ul style="list-style-type: none"> The general goal of the CGS-WG is to produce CIM specifications and schemas of classes not yet standardized by the DMTF but urgently needed in the GGF in the frame of OGSA, and to promote these specifications and schemas within the DMTF for their adoption as CIM standards.
	<ul style="list-style-type: none"> The primary goal of the CGS-WG is to produce a CIM-based "Job Submission Information Model" (JSIM) based on OGSA requirements, and to promote this model within the DMTF for their adoption as CIM standards.

	<ul style="list-style-type: none"> Along with this goal the CGS-WG will specify if and how the new CIM classes for representing JSIM should be mapped into XML and LDAP. Future GGF work on CIM will show if these mappings can be reused for other CIM classes. The inherent generalization capabilities will be taken into account.
	<ul style="list-style-type: none"> The secondary goal of the CGS-WG is to determine which other grid-computing resources are required by the OGSA but still lack a CIM specification and schema -- for development in either this or perhaps a future working group.
	<ul style="list-style-type: none"> The CGS-WG will liaise with other OGSA-based working groups for their input.
	In addition, the group may pursue the following goals:
	<ul style="list-style-type: none"> Exploring the possible use of evolving CIM-based Open Source software in Grid computing.
	<ul style="list-style-type: none"> Presenting the results of the WG to the other Grid Working Groups.
Milestones	<ul style="list-style-type: none"> Month 1: establishment of Website and Mailing list
	<ul style="list-style-type: none"> Month 3: first draft of Job Submission Interface specification finished
	<ul style="list-style-type: none"> Month 6: first draft of XML and LDAP mapping specification finished
	<ul style="list-style-type: none"> Month 9: final document on Job Submission Interface specification finished
	<ul style="list-style-type: none"> Month 12: final document on XML and LDAP mapping specification finished
	<ul style="list-style-type: none"> Month 18: Submission of the documents on Job Submission Interface and on its XML/LDAP mappings to GGF recommendation procedure and to DMTF

Web Site:
<http://www.isi.edu/~flon/cgs-wg/index.htm>