
The Resource Selection Service (ReSS) Activity

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The Resource Selection Activity

- The Resource Selector is a component of the OSG Job Management Infrastructure.
 - The project started in Sep 2005 with a planned duration of 9 months
 - Sponsored by PPDG as a DZero contribution to the Common Project
 - People: Fermilab, OSG TG-MIG group, PPDG, CEMon gLite
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The Resource Selection Activity

Motivations

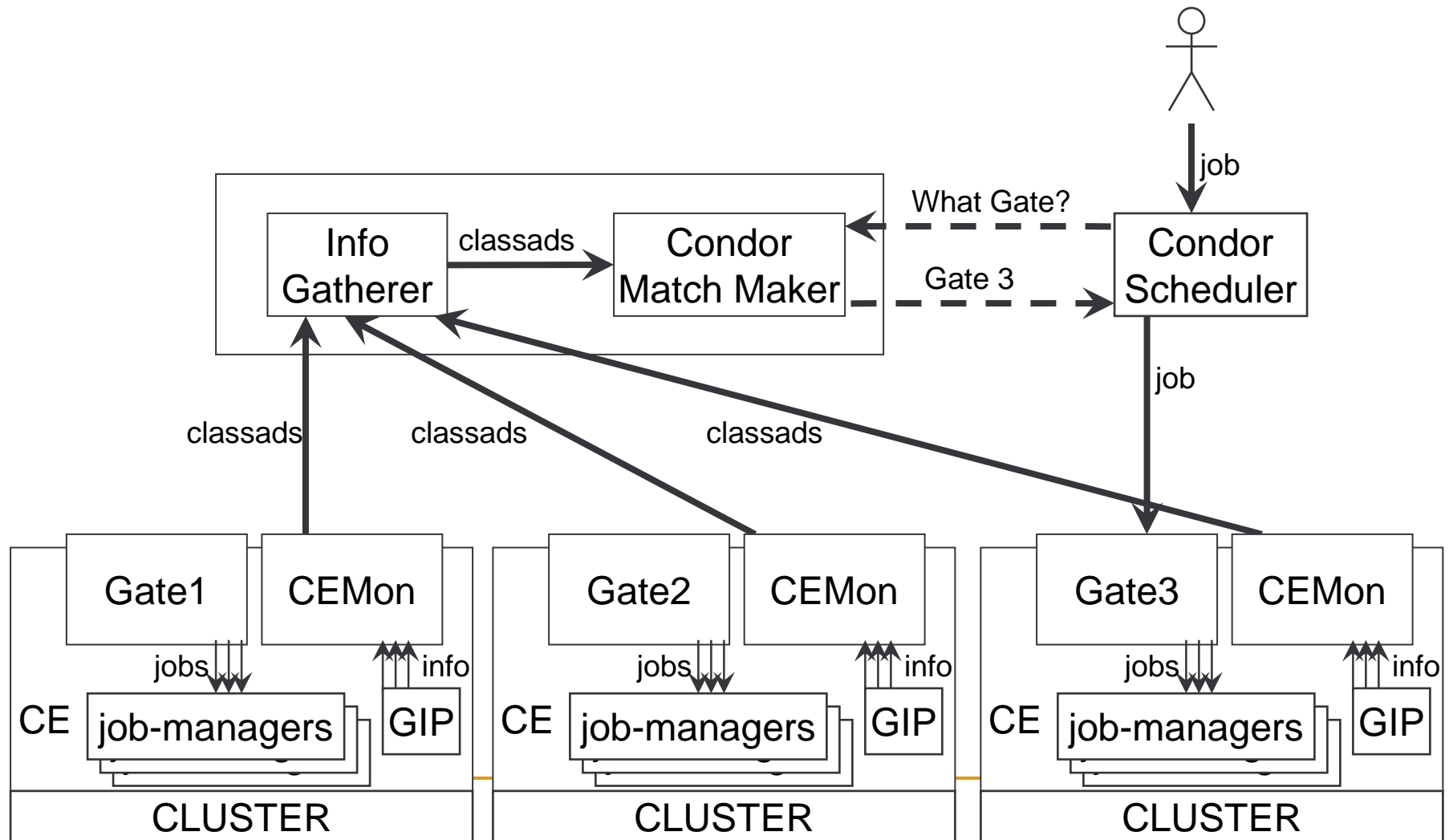
- A Resource Selector allows...
 - ...expressing requirements on the resources in the job description
 - without a Resource Selector, the user is responsible for selecting the resource for the job
 - ...the user to refer to *abstract* characteristics of the resources in the job description
 - without a Resource Selector, the user must use *concrete* resource attribute values in the job description (e.g. to initialize the job environment)
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The Resource Selection Activity

Deliverables

- The Resource Selection Activity has two major goals
 1. Enable OSG resource usage by DZero. Jobs will be prepared and data will be handled by the SAM-Grid.
 2. Develop and deploy a Resource Selection Service that VOs with requirements on job management similar to DZero can use.
 - We are interested in working with other VOs, such as ATLAS, to investigate (2) and extend the project to address specific needs.
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The Resource Selection Activity Architecture



Examples

From the current ReSS test bed

<http://osg.ivdgl.org/twiki/bin/view/ResourceSelection/TestBedPrototype>

Conclusions

- We plan to deploy the infrastructure for production in OSG v0.6.0 (July 2006)
 - We are interested in working with ATLAS and other VOs to understand if the current infrastructure can be used in a broader scope
 - More info at <http://osg.ivdgl.org/twiki/bin/view/ResourceSection/>
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