



Grid Resource Bazaar

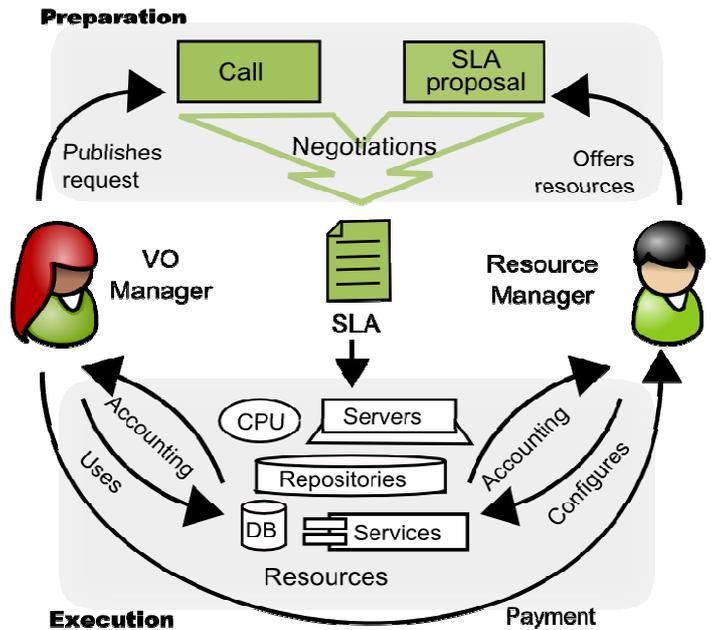
<http://grid.cyfronet.pl/bazaar>

Resource Allocation Process

On the global computational market, that EGEE (in the future EGI) infrastructure grows to be, there are hundreds of actors providing and using computational resources. Due to a large number of mutual interactions required, resources management requires specialized solutions, that make the process effective and traceable. In Bazaar Project we defined a process of resource allocation to formalize management of resources, based on two terms:

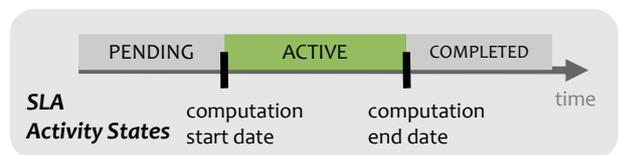
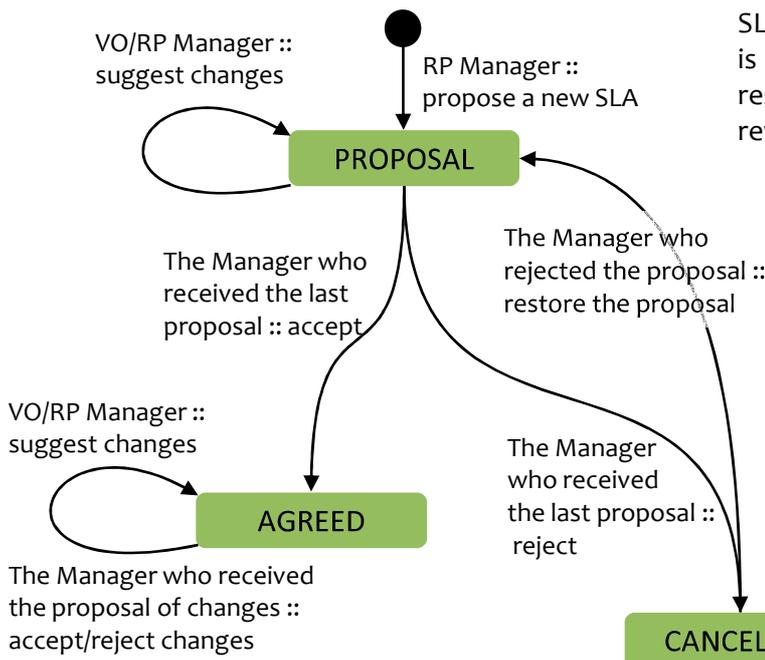
Call - a specification of demands for computational resources by Virtual Organizations,

SLA - an agreement between a Resource Provider and a VO about details of services supplied.



Picture above presents the process of resource allocation of a single VO and a single administrative domain. In preparatory stage, partners negotiate an SLA (according to formalized procedure). Next, an SLA is implemented in the configuration of resources. The resources are used according to the same SLA and a reward for the service delivery is provided accordingly.

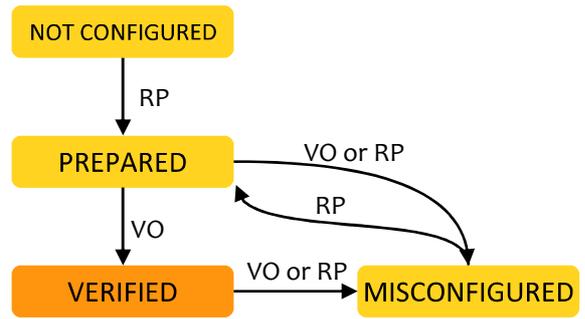
SLA Main States



The model covers all stages of SLA lifetime shown on the figure above. Negotiations of SLA are included in the model. ACCEPTED SLAs can be the subject of renegotiation that both parties can initialize.

SLA Configuration States

Implementation of each SLA is traced in the model by *configuration state*. The VO is notified by this state that configuration can be tested (PREPARED state) and can verify it. In case of any problem in operation, the state can be switched to MISCONFIGURED.



Grid Resource Bazaar

To enable complexity management in the process of resource management, a collaboration tool, called Grid Resource Bazaar, was developed. It implements the model presented above.

- SLAs management including negotiation – Resource Provides can create an SLA as a response to a call. Both partners can negotiate SLA conditions and track SLA changes.



SLAs

On this page you can see all your SLAs that may still require some action to be taken by you. You can sort the following table by each column -- just click on the column name to sort it.

Hide icon meaning:

- You have a new message.
- This SLA needs some attention from your partner.
- Edit an SLA.
- Create a new SLA.
- Restore an SLA.
- Change configuration state to PREPARED
- Change configuration state to VERIFIED
- Change configuration state to MISCONFIGURED

SLAs of your RCs

[Show report](#) [New SLA](#)

SLA	Related call	VO	Site	From/To	State	Activity state	Configuration state	Actions
3	Calice call 1	calice	IFJ-PAN-BG	2009.09.09 2009.12.02	AGREED	ACTIVE	PREPARED	
25	General call for geclipsetutor VO	geclipsetutor	IFJ-PAN-BG	2009.06.01 2010.04.30	AGREED	ACTIVE	PREPARED	
26	General call for ops VO	ops	IFJ-PAN-BG	2009.06.01 2010.04.30	AGREED	ACTIVE	NOT CONFIGURED	

- Notification management - system notifies a user via e-mail and via user interface about actions like resource reconfiguration etc. VO managers can send notifications about an available call to selected Resource Providers.

Sending notification

Here you can prepare your message and send it via e-mail to specified group of users.

Your notification

Title:

Author:

Addressee:

Send notification to:

- EGEE
- RAG
- AsiaPacific
- CentralEurope
 - ROC Manager
 - BMEGrid
 - BUDAPEST
 - BY-UJIP
 - CAMK
 - CYFRONET-LCG2
 - egee.fesb.hr
 - egee.grid.mif.hu
 - egee.irb.hr
 - egee.srce.hr
 - ELTE
 - MPPI-UNIBA
 - GUP-JKU
 - HEPHY-IIRK

[Select all ROCs](#)

Operational Environment

Bazaar web interface is available as a part of EGEE Operations Portal (CIC Portal). It uses EGEE GOC DB for obtaining data for an authentication process. The VO Cards are used to present information about selected Virtual Organization. It is planned to integrate Bazaar with accounting tools.

Functionality

- Calls management - VO managers can perform call creation, edition and management.

Manage call

Here you can change your call properties and requirements. If you want your call to be visible to another people, set field 'Call status' to PUBLISHED. Bold fields are mandatory.

Your call

ELEMENTARY INFORMATION

Call ID: 449

Call name:

Responsible person: Malgorzata Tomanek

VO Name:

Computation start date:

Computation closing date: Unspecified date

Estimated number of CPU/cores:

Estimated storage space [in GB]:

Call status:

Call open from:

Call open to:

Description:

- Feedback - VO managers can assess site's configuration.
- Integration with resources allocation process in EGEE CE ROC and special features for EGEE seed resources operations. The tool is ready to use by all sites and VOs in EGEE.

Contact

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