Operations Portal

Cyril L'Orphelin
CCIN2P3/CNRS
cyril.lorphelin@cc.in2p3.fr

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Outlines

• Introduction
• On-going and recent work
  ○ Vo ID cards
  ○ SOMBO
  ○ EOSC Metrics
  ○ API
• Future work
The Operations Portal is the central portal for operations management of the EGI federated infrastructure.

The Operations Portal provides tools supporting the daily running of operations of the EGI e-infrastructure: Infrastructure oversight, security operations, VO management, broadcast, metrics ...

- **Url**: [https://operations-portal.egi.eu](https://operations-portal.egi.eu)
- **Support**: [cic-information@cc.in2p3.fr](mailto:cic-information@cc.in2p3.fr)
- Hosted at IN2P3 Computing Center, Villeurbanne, France
- Operational since October 2004, under Apache 2 License
The **VO ID Card**

- records the life cycle of a given VO
- gives general information about the VO: homepage, description ...
- gives administrative information: contacts, mailing lists ...
- gives information about core services of the VO

This feature is an historical feature of the Operations Portal and it was necessary to make a refactoring job around this feature.
VO ID CARDS

Done ✔

- new ergonomics
- simplification of the workflow for users: mandatory sections are the 3d first sections then you can skip all the rest to register your VO
- removal of useless fields, add new one (evolution of the procedures)
- integration of new registries: CoManage and any external registry (different from VOMS or Perun)

Next steps:

- Fix remaining bugs linked with registration
- Replace current use of xml feed by the use of API
• This tool is the link between Marketplace, service providers, service requesters and shifters/operators.
  ○ Facilitate the daily work of shifter
  ○ Improve the communication between all parties
  ○ Facilitate the negotiation, sign and update of SLA/OLA
• Monitor the service delivery
• Facilitate the collection of statistics for reporting
SOMBO: architecture

EOSC MARKETPLACE

JIRA

S.O.M.B/O
Service Order Management Back Office

Resource providers
SOMBO : features

- List of all service orders per status (on-going, accepted, rejected), dashboard for Operators/shifters
- Access to the details of the service orders: possibility to update some fields and to exchange comments with user requesting resources
- Manage service orders: assign a service order to different resource providers and negotiate with these providers (exchange of information, validation or rejection of the resource request)
- Generate OLAs and SLA documents for EGI cases
- Exchange comments, feedback with the requestor
- Add internal comment/note between operators/shifters
### Pending orders

<table>
<thead>
<tr>
<th>id</th>
<th>service</th>
<th>status</th>
<th>created</th>
<th>updated</th>
<th>assignee</th>
<th>Project Summary</th>
<th>Ci-DisplayName</th>
<th>Project status</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOSCSOPR-736</td>
<td>EGI Cloud compute</td>
<td>New</td>
<td>2020-10-16T12:34</td>
<td>2020-10-16T12:34</td>
<td>Unassigned</td>
<td>Project, Agnieszka Pulapa, Xc</td>
<td>Agnieszka Pulapa</td>
<td>Active</td>
<td>Actions</td>
</tr>
</tbody>
</table>

Showing 1 to 5 of 100 entries

### Orphan Projects

![Project Status Pie Chart](image)
Access type: opportunistic
Start date: 07/10/2020
End date: 09/10/2020
Service Area: Processing & Analysis
Service Option: EGI Cloud compute
Service: General purpose

<table>
<thead>
<tr>
<th>Request</th>
<th>Value</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of CPU Cores</td>
<td>1</td>
<td>100%</td>
</tr>
<tr>
<td>Amount of RAM per CPU core</td>
<td>2</td>
<td>100%</td>
</tr>
<tr>
<td>Local disk</td>
<td>10 Gb</td>
<td>10%</td>
</tr>
<tr>
<td>Number of VM instances</td>
<td>1</td>
<td>100%</td>
</tr>
<tr>
<td>Start of service</td>
<td>07/10/2020</td>
<td></td>
</tr>
</tbody>
</table>

**Generic provider:**
Email: support@igi.eu
Site: https://www.egi.eu/services/cloud-compute/

<table>
<thead>
<tr>
<th>Id</th>
<th>Resource center</th>
<th>Contact</th>
<th>Resources Type</th>
<th>Start</th>
<th>End</th>
<th>Ava</th>
<th>Rel</th>
<th>Validation</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1158</td>
<td>T2-Korea</td>
<td><a href="mailto:gd@iri.ac.kr">gd@iri.ac.kr</a></td>
<td>Number of CPU Cores: 2</td>
<td>07/10/2020</td>
<td>08/10/2020</td>
<td>99%</td>
<td>99%</td>
<td>validated by Cyril Lopaschin</td>
<td>2020-10-27 10:38:07</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Amount of RAM per CPU core: 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Local disk: 1</td>
<td></td>
<td></td>
<td>10%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Number of VM instances: 1</td>
<td></td>
<td></td>
<td>99%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1164</td>
<td>ROC_Canada_SERVICES</td>
<td><a href="mailto:roc@bwh.gov.ca">roc@bwh.gov.ca</a></td>
<td>Number of CPU Cores: 0</td>
<td>07/10/2020</td>
<td>08/10/2020</td>
<td>99%</td>
<td>99%</td>
<td>waiting for validation</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Amount of RAM per CPU core: 2</td>
<td></td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
EOSC METRICS

Google Analytics
Marketplace

Google Analytics
EOSC Portal

JIRA
EOSCSO queue

JIRA API

JIRA
EOSCPR queue

Google API

Reports for EC

03/11/2020
## EOSC Portal Metrics

### Service and providers

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>260</td>
<td>Number of services in the EOSC Marketplace</td>
<td>Total number at the report time</td>
</tr>
<tr>
<td>121</td>
<td>Number of request from providers about new service</td>
<td>Total number of services providers published during the period</td>
</tr>
</tbody>
</table>

### Visitors and views

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,372</td>
<td>Number of visitors of EOSC Portal</td>
<td>average/month</td>
</tr>
<tr>
<td>7,853</td>
<td>Number of page views for EOSC Portal</td>
<td>average/month</td>
</tr>
<tr>
<td>6,246</td>
<td>Number of unique page views for EOSC Portal</td>
<td>average/month</td>
</tr>
</tbody>
</table>

**Top 10 EOSC Portal Visitors / country**

- Italy
- Germany
- Belgium
- France
- Spain
- Netherlands
- United Kingdom
- United States
- Ukraine
- Greece
Context
- different urls of the operations Portal are used programmatically
  - without harmonization
  - without control (http access)
  - without a central place referring all these urls

Solution
- Replace all these urls by API calls
  - concentrated in one place
  - with a token access policy (requires a validation)
  - with documentation
Operations Portal API

[Base URL: https://apsportal/api]

You are logged in the Operations Portal. Your account does not have a valid API token; you must click on the Ask for a token button, or use a valid token from another account. If you already have a valid token, click on the Authorize button on the right, and set your token’s value. Then you can use the interface below to request the API.

Terms of service
Contact the developer
Apache 2.0
Find out more about Swagger

<table>
<thead>
<tr>
<th>Scheme</th>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTPS</td>
<td>POST /token/user/{userId}/[format]</td>
<td>Creates token for a given User</td>
</tr>
<tr>
<td>HTTPS</td>
<td>PUT /token/user/{userId}/[format]</td>
<td>Modifies token for a given User</td>
</tr>
<tr>
<td>HTTPS</td>
<td>DELETE /token/user/{userId}/[format]</td>
<td>Revokes token for a given User</td>
</tr>
</tbody>
</table>

lavoisier
Manages Lavoisier calls from API

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET /lavoisier/{view}/{operation}/[format]</td>
<td>Fetches a lavoisier view with given operation and format.</td>
</tr>
</tbody>
</table>

VO
Manages VO related calls from API

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET /vo/aup/{voName}/[format]</td>
<td>Fetches for a given VO name and format the Acceptable Use Policy (AUP).</td>
</tr>
</tbody>
</table>
Next steps

VO ID CARD
- Fix last bugs and replace existing urls for xml feed by API urls

EOSC METRICS
- Validate metrics with the existing reports

API
- Add new methods and related documentation

SOMBO
- Complete the current features (feedback from shifters)
- Add a resource provider dashboard
- Add reports about service usages (monitoring and accounting)
Thank you for your attention.

Questions?