Jura

NorduGrid 2011
Kiev, Ukraine

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NIIF
- Accounting agreement
- APEL integration
Accounting agreement
Status

- Status: draft
- Last update: 1 weeks ago
- Current version: https://twiki.cern.ch/twiki/pub/EMI/ComputeAccounting/EMI_compute_usage_record_0.3.rtf
<table>
<thead>
<tr>
<th>OGFUR Par.</th>
<th>BaseTag</th>
<th>APEL</th>
<th>ARC</th>
<th>DGAS</th>
<th>UNICORE</th>
<th>Semantic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Properties</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.1</td>
<td>RecordIdentity</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>OGF UR: GRID-wide unique identifier for the record</td>
</tr>
<tr>
<td>11.2</td>
<td>JobIdentity</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>OGF UR: Global job identifier as assigned by metascheduler or federation scheduler</td>
</tr>
<tr>
<td>11.2</td>
<td>LocalJobId</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>OGF UR: Local job identifier as assigned by the batch queue</td>
</tr>
<tr>
<td>11.2</td>
<td>ProcessId</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>OGF UR: Local PID of the Job</td>
</tr>
<tr>
<td>11.3</td>
<td>UserIdentity</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>OGF UR: Local identity for the user</td>
</tr>
<tr>
<td>11.3</td>
<td>LocalUserId</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>OGF UR: Global GRID level user name</td>
</tr>
<tr>
<td>11.3</td>
<td>GlobalUserName</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>
- New EMI specific elements:
  - UserIdentity | VirtualOrganization
  - UserIdentity | ProjectName
  - UserIdentity | Group
  - UserIdentity | LocalGroupId
  - SiteName

- Others (23) elements: similar as before

- Conclusion: no big modification need for a new UR
JURA status
What happened in the last half year?

- New command line parameters
  - Topic can be added for the URL
  - Output directory for a generated APEL records
  - For example:
    ```
    ./jura -u host1
    -u host2 -t topic_name -o dir_path
    -u host3 log_path
    ```
How works now the JURA?

- Arex's logs
- JURA
- Publish to SGAS
- SSM client
- Apel records
Published entries 1/2

- LocalJobID
- LocalUserID
- GlobalUserName
- WallDuration
- CpuDuration
- StartTime
- EndTime
- Site
- SubmitHost
Published entries 2/2

- MemoryReal
- NodeCount
- Processors

Default values:
  - ScalingFactorUnit = custom
  - ScalingFactor = 1
  - UserFQAN = None
Future development

- Accounting record publish directly to the Apel

Publish to SGAS

Arex's logs

JURA

Publish to Apel
Thank you for attention!