

Services status and metrics

<http://voparis-uws.obspm.fr/wadl-v1.0>

Jonathan Normand

Regis Haigron

Pierre Le Sidaner

Observatoire de Paris

WADL as Job Description Langage

WADL was presented first in another talk

- ❑ We need to discover services
- ❑ We need to describe services and their input/output parameters using a simple and standard method

- ❑ **WADL: Web Application Description Language. Has been presented at Interop 2009, with a comparison to WSDL2**

- ❑ **Now we have 5 UWS services described by WADL**
 - **input can be parameters or files**
 - **fulfills all our requirements**
 - **It takes 5 mins to write a wadl for a new service**

Service registration

- ❑ **Service registration can be done using VOResource as it is**

accessUrl should be the WADL one that gives full description on the service usage

Service description

Available WADL can be taken at
<http://voparis-uws.obspm.fr/wadl-v1.0>

Describe method (always the same UWS1.0)
Things that have to be changed are:

- * Service endpoint and input/output parameters

example with :

Service for transformation images PDS to FITS with WCS

Service description

Service endpoint

```
<resources base="http://voparis-uws.obspm.fr/uws-v1.0/pdstoaladin">
```

Entry parameters are define as

```
<param style="query" name="pds" type="xs:anyURI" required="true">  
<doc>PDS file (IMG extension)</doc>  
</param>  
<param style="query" name="geo" type="xs:anyURI" required="true">  
<doc>PDS file (GEO extension)</doc>  
</param>
```

Output parameters as

```
<option value="0" mediaType="image/fits"/>
```

This is a revolution

You describe your service in a WADL

You have a client for free

Download client at
<http://vo-web.obspm.fr/tool.php>

UWS client by R. Haigron

Work on java 7.

Ask R. Haigron for the jar, code can be shared

Configuration Services

	Job	Status
country	5698c59b-8830-4cb4-eded-ce2ae282c224	<input type="button" value="ERROR"/>
euoplanet	9e944581-42fe-07a4-8136-f9c0a5378aa7	<input type="button" value="COMPLETED"/>
euoplanet	5158fa8a-787b-3994-7106-bb0a59d10416	<input type="button" value="COMPLETED"/>
euoplanet	e5e7d777-bb7e-d8d4-2da1-e169751de932	<input type="button" value="COMPLETED"/>

Service:

Id:

Phase:

Start time:

End time:

Duration time:

UWS client by R. Haigron

configuration.

Provide the WADL
description of your
services

Provide your favourite VO
SAMP-compatible
application to display data

WADL files list

Name	File
wcscheck	/home/lesidaner/outils_vo/uwste...
jonathan	/home/lesidaner/outils_vo/uwste...
asposfull	/home/lesidaner/outils_vo/aspos...
astrometry	/home/lesidaner/outils_vo/wadl/a...
astrocheck	/home/lesidaner/outils_vo/wadl/a...
aspos	/home/lesidaner/outils_vo/wadl/a...
euoplanet	/home/lesidaner/outils_vo/wadl/p...

Image viewer:

Table viewer:

Spectrum viewer:

UWS cl

(*) pds

(*) geo

Configuration Services

Service	Job	Status
astrometry	5698c59b-8830-4cb4-eded-ce2ae282c224	<input type="button" value="ERROR"/>
euoplanet	9e944581-42fe-07a4-8136-f9c0a5378aa7	<input type="button" value="COMPLETED"/>
euoplanet	5158fa8a-787b-3994-7106-bb0a59d10416	<input type="button" value="COMPLETED"/>
euoplanet	e5e7d777-bb7e-d8d4-2da1-e169751de932	<input type="button" value="COMPLETED"/>
euoplanet	d81675d6-47fa-5414-19c8-ce6422036784	<input type="button" value="COMPLETED"/>

Service:
 Id:
 Phase:
 Start time:
 End time:
 Duration time:

Parameters
 pds
 geo: <http://voparis-uws.obspm.fr/uws-v1.0/pdstoaladin/d81675d6-47fa-5414-19c8-ce6422036784/parameters/geo>