queryReconstruction

Return AJAX data describing reconstructions in the service matching the criteria.

syntax

```
queryReconstruction?cafDatasetName=<dataset identifier>
                    ;structureList=<structure name>
                    ;outputFormats=<output format list>
                   [;resolution=<resolution>]
                   [;pipeline=<pipeline name>]
                   [;switches=<switches list>]
```

Required arguments

- cafDatasetName

  The service identifier of the selected CAF dataset.

- structureName

  Name of structure from hierarchy tree. In practice nearly all names should be fine. Formally name has to point to a root node of a subtree containing at least one node with representation among paths in CAF slides.

- outputFormats

  Nonempty coma-separated list of reconstruction file format descriptors. Allowed format descriptors are:

- exportToVRML:: VRML files,
- exportToX3d:: X3D files,
- exportToPOVRay:: POV-Ray files,
- exportToNiftii:: NIfTI files
- exportToVTKPolydata:: vtk polydata files,
- exportToNumpy:: NumPy? array files,
- exportToVolume:: vtk structured grid files,
- exportScreenshot:: PNG images,
- exportThumbnail:: PNG thumbnails.

Optional arguments

- resolution

  Coronal and anterior-posterior voxel size separated with a coma.

- pipeline

  Service identifier of the pipeline the reconstructions has been generated with.

- switches Nonempty coma-separated list of switches:
  - ♦ brainoutline

match only structures containing the outline of hierarchy tree root structure; forces 'composite' switch,

- composite

  only scene format descriptors ('exportToVRML', 'exportToX3d', 'exportToPOVRay', 'exportScreenshot', 'exportThumbnail') in the 'outputFormats' list.

AJAX data type

```
[{
   String: String,
   String: [Number, Number, String],
   String: String,
   String: Boolean,
   String: String,
   String: Number,
   String: Number | null,
   String: String,
   String: String
 },
 ...]
```

AJAX data description

The data is provided in format:

```
[{
   'groups': <groups>,
   'quality': [<xyres>, <zres>, <pipeline name>],
   'format': <format>,
   'compressed': <compressed>,
   'status': <status>,
   'cacheID': <id>,
   'size': <size>,
   'groupsID': <groups id>,
   'CAFSlideUnits': <unit>
 },
 ...]
```

where:

<groups>
: is a string composed of reconstructed groups names separated with '_' character; if an outline is present in the reconstruction, its name precedes others and is separated with double '_' character,

Examples

- http://service.3dbar.org/queryReconstruction?cafDatasetName=sba_DB08;structureList=Br;outputFormats=exportTo
- http://service.3dbar.org/queryReconstruction?cafDatasetName=whs_0.6.1;structureList=Brain;outputFormats=expor
- http://service.3dbar.org/queryReconstruction?cafDatasetName=sba_DB08;structureList=Amg;switches=brainoutline