

# 3d Brain Atlas Reconstructor on-line service

## Service methods:

### getReconstruction

Returns a model of a given structure from selected dataset as a zip file containing the reconstruction and short description.

syntax::

```
getReconstruction?cafDatasetName=<dataset name>  
                ;structureName=<structure name>  
                [;qualityPreset=(low|medium|high) ]  
                [;outputFormat=(vrml|x3d) ]
```

### required arguments

- cafDatasetName::

The name of the selected CAF dataset. The list of available CAF datasets is located at the end of this page.

- structureName::

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

### optional arguments

- qualityPreset::

Sets predefined quality preset, possible values are 'low', 'medium' and 'high' the default value is 'low'

- outputFormat::

Defines format of the reconstruction. Possible formats are 'vrml' and 'x3d' with the default value 'vrml'.

### examples

- [http://212.87.16.231:8080/getReconstruction?cafDatasetName=whs\\_0.51&structureName=thalamus](http://212.87.16.231:8080/getReconstruction?cafDatasetName=whs_0.51&structureName=thalamus)
- [http://212.87.16.231:8080/getReconstruction?cafDatasetName=whs\\_0.51&structureName=thalamus&qualityPreset=low](http://212.87.16.231:8080/getReconstruction?cafDatasetName=whs_0.51&structureName=thalamus&qualityPreset=low)