

OGC Web Service Extension

ScienceBase connects to a number of different Open Geospatial Consortium web services that require several distinct attributes that describe aspects of the services and how they can be connected to and interacted with in ScienceBase. These attributes are contained within a generalized OGC extension that is further classified with a Web Service Type list.

Properties

Property	Type	Description
className	String	= "gov.sciencebase.catalog.item.facet.OGCFacet" A discriminator used by the system to identify the extension type
type	String	The type of OGCFacet, this can be "WMS" or "WFS"
layers	String	A comma separated set of layers.
crs	String	The supported projections of the service.
serviceVersion	String	The service version of the service.
capabilitiesUrl	String, URI	The capabilities URL of the service - includes the 'request' and 'service' params
serviceCapabilitiesUrl	String, URI	The base URL of the service - like the capabilitiesUrl but without any params
serviceMapUrl	String, URI	
serviceFeatureInfoUrl	String, URI	
serviceLegendUrl	String, URI	
boundingBox	Map<String, Double>	the bounding box, see example for details
featureTypes	Map<String, Map>	WFS-only: the types of features in the WFS service
totalFeatureCount	Integer	WFS-only: the number of features in the WFS service
processingStatus	String	system field to indicate status of processing the service

Example

```
{
  className: "gov.sciencebase.catalog.item.facet.OGCFacet",
  type: "WMS",
  layers: "5, 9, 13, 17",
  crs: "EPSG:102113, EPSG:3785",
  serviceVersion: "1.1.1",
  capabilitiesUrl: "http://cida.usgs.gov/arcgis/services/GLRI68_Phragmites_lidar/MapServer/WMServer?
request=GetCapabilities&service=WMS",
  serviceCapabilitiesUrl: "http://cida.usgs.gov/arcgis/services/GLRI68_Phragmites_lidar/MapServer/WmsServer?",
  serviceMapUrl: "http://cida.usgs.gov/arcgis/services/GLRI68_Phragmites_lidar/MapServer/WmsServer?",
  serviceFeatureInfoUrl: "http://cida.usgs.gov/arcgis/services/GLRI68_Phragmites_lidar/MapServer/WmsServer?",
  serviceLegendUrl: "",
  boundingBox: {
    maxY: 45.564997,
    maxX: -76.099956,
    minX: -87.927038,
    minY: 41.373786
  }
}
```