

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