

# Shapefile Extension

The Shapefile Extensions provides the support for ESRI shapefiles files. A ESRI 'shapefile' is a bundle of files with the same base name but with different extensions - \*.shp, \*.dbf, \*.prf, \*.shx, \*.shp.xml, etc. When a shapefile is uploaded in the ScienceBase Catalog UI, this extension is created as well as a corresponding spatial service.

## Properties

Property	Type	Description
<b>className</b>	String	= "gov.sciencebase.catalog.item.facet.ShapefileFacet" A discriminator used by the system to identity the extension type
<b>name</b>	String	name of the shapefile
<b>geometryType</b>	String	The type of geometry, e.g. "MultiLineString"
<b>nativeCrs</b>	String	the project of the geometry in the shapefile
<b>files</b>	List<ItemFile>	the files in the extension
<b>boundingBox</b>	Map<String, Double>	the bounding box, see example for details

## Example

```
{
  className: "gov.sciencebase.catalog.item.facet.ShapefileFacet",
  name: "shoreline_aoil",
  geometryType: "MultiLineString",
  nativeCrs: "EPSG:26911",
  files: [
    {
      name: "shoreline_aoil.shp",
      title: "",
      contentType: "x-gis/x-shapefile",
      contentEncoding: null,
      pathOnDisk: "__disk__47/5c/75/475c75b8be6c7e33d8b2d65d361d46c1ead05e15",
      processed: false,
      processToken: null,
      imageWidth: null,
      imageHeight: null,
      size: 1362612,
      dateUploaded: "2015-06-26T16:11:15Z",
      uploadedBy: "mpal@usgs.gov",
      originalMetadata: false,
      useForPreview: false,
      s3Object: null,
      url: "https://www.sciencebase.gov/catalog/file/get/558d79b7e4b0b6d21dd6577a?f=__disk__47%2F5c%2F75%2F475c75b8be6c7e33d8b2d65d361d46c1ead05e15"
    },
    {
      name: "shoreline_aoil.dbf",
      title: "",
      contentType: "application/octet-stream",
      contentEncoding: null,
      pathOnDisk: "__disk__47/8f/bb/478fbb4d5340edf31a2e313a8469ee47949d1ce8",
      processed: false,
      processToken: null,
      imageWidth: null,
      imageHeight: null,
      size: 1246,
      dateUploaded: "2015-06-26T16:11:15Z",
      uploadedBy: "mpal@usgs.gov",
      originalMetadata: false,
      useForPreview: false,
      s3Object: null,
      url: "https://www.sciencebase.gov/catalog/file/get/558d79b7e4b0b6d21dd6577a?f=__disk__47%2F8f%2Fbb%2F478fbb4d5340edf31a2e313a8469ee47949d1ce8"
    }
  ]
}
```

```
    },
    {
      name: "shoreline_aoil.shx",
      title: "",
      contentType: "x-gis/x-shapefile",
      contentEncoding: null,
      pathOnDisk: "__disk__3d/64/42/3d644253f5c5b4816ff1d37d6fca2307dfda7a47",
      processed: false,
      processToken: null,
      imageWidth: null,
      imageHeight: null,
      size: 756,
      dateUploaded: "2015-06-26T16:11:15Z",
      uploadedBy: "mpal@usgs.gov",
      originalMetadata: false,
      useForPreview: false,
      s3Object: null,
      url: "https://www.sciencebase.gov/catalog/file/get/558d79b7e4b0b6d21dd6577a?f=__disk__3d%2F64%2F42%2F3d644253f5c5b4816ff1d37d6fca2307dfda7a47"
    },
    {
      name: "shoreline_aoil.prj",
      title: "",
      contentType: "text/plain",
      contentEncoding: null,
      pathOnDisk: "__disk__d9/71/00/d971007e9ca41e9b79884dae64182d0d1144a47c",
      processed: false,
      processToken: null,
      imageWidth: null,
      imageHeight: null,
      size: 542,
      dateUploaded: "2015-06-26T16:11:15Z",
      uploadedBy: "mpal@usgs.gov",
      originalMetadata: false,
      useForPreview: false,
      s3Object: null,
      url: "https://www.sciencebase.gov/catalog/file/get/558d79b7e4b0b6d21dd6577a?f=__disk__d9%2F71%2F00%2Fd971007e9ca41e9b79884dae64182d0d1144a47c"
    },
    {
      name: "shoreline_aoil.shp.xml",
      title: "",
      contentType: "application/fgdc+xml",
      contentEncoding: null,
      pathOnDisk: "__disk__1c/e9/f7/1ce9f7422d54646a264c18bc811484ac6e61b870",
      processed: false,
      processToken: null,
      imageWidth: null,
      imageHeight: null,
      size: 8246,
      dateUploaded: "2015-06-26T16:11:15Z",
      uploadedBy: "mpal@usgs.gov",
      originalMetadata: true,
      useForPreview: false,
      s3Object: null,
      url: "https://www.sciencebase.gov/catalog/file/get/558d79b7e4b0b6d21dd6577a?f=__disk__1c%2Fe9%2Ff7%2F1ce9f7422d54646a264c18bc811484ac6e61b870"
    },
    {
      name: "shoreline_aoil.cpg",
      title: "",
      contentType: "text/plain",
      contentEncoding: null,
      pathOnDisk: "__disk__47/f6/5f/47f65f2be67724d1e2cab98460e2348df9cb92bc",
      processed: false,
      processToken: null,
      imageWidth: null,
      imageHeight: null,
      size: 5,
      dateUploaded: "2015-06-26T16:11:15Z",
      uploadedBy: "mpal@usgs.gov",
```

```
originalMetadata: false,
useForPreview: false,
s3Object: null,
url: "https://www.sciencebase.gov/catalog/file/get/558d79b7e4b0b6d21dd6577a?f=__disk__47%2Ff6%2F5f%
2F47f65f2be67724d1e2cab98460e2348df9cb92bc"
}
],
boundingBox: {
  minY: 34.34809237150859,
  minX: -120.43213807117574,
  maxY: 34.49032608137047,
  maxX: -119.45769686751457
},
}
```