

Raster Extension

The Raster Extensions supports raster image files such as GeoTIFFs. With this extension, a spatial service will be enabled for the GeoTIFF. This extension is created with a raster file is uploaded to an Item.

Properties

Property	Type	Description
className	String	= "gov.sciencebase.catalog.item.facet.RasterFacet" A discriminator used by the system to identity the extension type
name	String	name of the raster image
rasterType	String	Type of raster file, e.g. "GeoTIFF"
nativeCrs	String	The projection used in the raster image
files	List<ItemFile>	The files in this extension
capabilitiesUrl	String, URI	The capabilities URL of the service - includes the 'request' and 'service' params
boundingBox	Map<String, Double>	the bounding box, see example for details

Example

```
{
  className: "gov.sciencebase.catalog.item.facet.RasterFacet"
  name: "sample_raster_aerial",
  rasterType: "GeoTIFF",
  nativeCrs: "EPSG:4326",
  files: [
    {
      name: "sample_raster_aerial.tfw",
      title: null,
      contentType: "text/plain; charset=ISO-8859-1",
      contentEncoding: null,
      pathOnDisk: "__disk__91/dc/89/91dc89ee484f4c9ed3e274a126f685ff4351644c",
      processed: false,
      processToken: null,
      imageWidth: null,
      imageHeight: null,
      size: 83,
      dateUploaded: "2014-12-30T20:57:50Z",
      uploadedBy: "wilsonl@usgs.gov",
      originalMetadata: false,
      useForPreview: false,
      s3Object: null,
      url: "https://www.sciencebase.gov/catalog/file/get/54a30ab9e4b038086b675024?f=__disk__91%2Fdc%2F89%2F91dc89ee484f4c9ed3e274a126f685ff4351644c"
    },
    {
      name: "sample_raster_aerial.tif",
      title: null,
      contentType: "image/tiff",
      contentEncoding: null,
      pathOnDisk: "__disk__13/5c/23/135c23f6c276ca4d3f62298f3763063c5de81f4b",
      processed: false,
      processToken: null,
      imageWidth: null,
      imageHeight: null,
      size: 8539859,
      dateUploaded: "2014-12-30T20:57:58Z",
      uploadedBy: "wilsonl@usgs.gov",
      originalMetadata: false,
      useForPreview: false,
      s3Object: null,
      url: "https://www.sciencebase.gov/catalog/file/get/54a30ab9e4b038086b675024?f=__disk__13%2F5c%2F23%
```

```
2F135c23f6c276ca4d3f62298f3763063c5de81f4b"
  },
  {
    name: "sample_raster_aerial.tif.aux.xml",
    title: null,
    contentType: "application/xml",
    contentEncoding: null,
    pathOnDisk: "__disk__4e/17/97/4e179714535f24231a7ddc20fea46d8879e52ba5",
    processed: false,
    processToken: null,
    imageWidth: null,
    imageHeight: null,
    size: 5679,
    dateUploaded: "2014-12-30T20:57:50Z",
    uploadedBy: "wilsonl@usgs.gov",
    originalMetadata: false,
    useForPreview: false,
    s3Object: null,
    url: "https://www.sciencebase.gov/catalog/file/get/54a30ab9e4b038086b675024?f=__disk__4e%2F17%2F97%
2F4e179714535f24231a7ddc20fea46d8879e52ba5"
  },
  {
    name: "sample_raster_aerial.tif.ovr",
    title: null,
    contentType: "image/tiff",
    contentEncoding: null,
    pathOnDisk: "__disk__d9/d7/b5/d9d7b5841a04b7ea71572829de6794fdbfa0a827",
    processed: false,
    processToken: null,
    imageWidth: null,
    imageHeight: null,
    size: 3161824,
    dateUploaded: "2014-12-30T20:57:54Z",
    uploadedBy: "wilsonl@usgs.gov",
    originalMetadata: false,
    useForPreview: false,
    s3Object: null,
    url: "https://www.sciencebase.gov/catalog/file/get/54a30ab9e4b038086b675024?f=__disk__d9%2Fd7%2Fb5%
2Fd9d7b5841a04b7ea71572829de6794fdbfa0a827"
  },
  {
    name: "sample_raster_aerial.tif.xml",
    title: null,
    contentType: "application/fgdc+xml",
    contentEncoding: null,
    pathOnDisk: "__disk__b7/b8/42/b7b8426791d019cae2c132b76e54fe43801bc050",
    processed: false,
    processToken: null,
    imageWidth: null,
    imageHeight: null,
    size: 7219,
    dateUploaded: "2014-12-30T20:57:50Z",
    uploadedBy: "wilsonl@usgs.gov",
    originalMetadata: true,
    useForPreview: false,
    s3Object: null,
    url: "https://www.sciencebase.gov/catalog/file/get/54a30ab9e4b038086b675024?f=__disk__b7%2Fb8%2F42%
2Fb7b8426791d019cae2c132b76e54fe43801bc050"
  }
],
  boundingBox: {
    maxY: 34.938361385202164,
    maxX: -106.049857991508,
    minX: -106.07135965712412,
    minY: 34.92420101690757
  }
}
```