

GET

GET: Retrieve an Individual Item Document

You can easily retrieve all of the information on an item in JSON, XML, or ATOM format using REST Services with a tool such as the RESTClient plugin for Firefox (<https://addons.mozilla.org/en-US/firefox/addon/restclient/>) or in Groovy using a library like HTTPBuilder (<http://groovy.codehaus.org/modules/http-builder/>) or using the URL and JSON objects that Groovy provides.

Get requests are simple, you just send a get request to the specific URL of the item you are requesting. Eg. <http://www.sciencebase.gov/catalog/item/<itemId>> where itemId is the SB2 item ID of the requested item. (example: if the itemId is 4f4e4b24e4b07f02db6aea14 the URL is: <https://www.sciencebase.gov/catalog/item/4f4e4b24e4b07f02db6aea14>)

GET: an individual item (JSON)

To get an item's SB JSON you need to add the `format` argument in the URL and set it equal to `json`. Following on the example above, if you want the SB JSON of the item with itemId equal to 4f4e4b24e4b07f02db6aea14 the URL will be: <https://www.sciencebase.gov/catalog/item/4f4e4b24e4b07f02db6aea14?format=json>

GET: an individual item (JSONP)

To get an item's SB JSON in JSONP format (JSON wrapped in a javascript function <http://en.wikipedia.org/wiki/JSONP>) you again need to add the `format` argument in the URL, but this time set it equal to `jsonp`. (example with itemId equal to 4f4e4b24e4b07f02db6aea14, the URL will be: <https://www.sciencebase.gov/catalog/item/4f4e4b24e4b07f02db6aea14?format=jsonp>). By default the returned function is called `get.SBJSON`. If you want to use a different function name you need to add the `jsonp` or `callback` argument in the url. For example, if I want to set the function name equal to `parseResponse` you first need the `format=jsonp` argument and then you also need a `jsonp=parseResponse` argument. If the itemId is 4f4e4b24e4b07f02db6aea14 the URL will be: <https://www.sciencebase.gov/catalog/item/4f4e4b24e4b07f02db6aea14?format=jsonp&jsonp=parseResponse>

GET specific fields of an item

You can also limit the number of fields returned from a GET on an item by adding the query to the URL like this: `?fields=title,subtitle,body`". This is just like specifying the fields you want returned on a search, see [Creating Queries for ScienceBase - Old 3/10/14](#).

Default Fields

identifiers,title,subTitle,alternateTitles,summary,body,purpose,rights,provenance,materialRequestInstructions,hasChildren,parentId,contacts,webLinks,browseCategories,browseTypes,systemTypes,tags,dates,spatial,extents,facets,files,distributionLinks,previewImage,locked

Other Fields

relationships,usgscitation

Example Output

For more information on the returned fields see [ScienceBase Item Core Model](#).

Response (as formatted JSON)

```
{
  "link": {
    "rel": "self",
    "url": "http://www.sciencebase.gov/catalog/item/1234567890abcdef12345667"
  },
  "id": "4ee16534e4b0f37470fe4alc",
  "oldId": 1810147,
  "oldUuid": "5d2e9bf2-0326-4eff-8eaf-529cdd0e3889",
  "identifiers": [
    {
      "type": "repo",
      "scheme": "sciencebase",
      "key": "ebadf3b6-5074-48e3-beb8-4653ac4bb799"
    }
  ]
}
```

```
],
  title: "Sample Item Title",
  subTitle: "The subtitle",
  summary: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam eu nibh ante, eget interdum
lectus. Curabitur ac malesuada urna.",
  "body": "the abstract of the item",
  "purpose": "the purpose if one has been recorded",
  "rights": "the rights if recorded",
  "provenance": "the provenance if recorded",
  "materialRequestInstructions": "how to request the material - mostly relevant to Physical Collections
/Items",
  "tableOfContents": "",
  "edition": "",
  "alternateTitles": ["My Alternate Title", "My Alternate Title #2"],
  "narratives": [],
  "hasChildren": false,
  "parentId": "4ee13c63e4b0f37470f229a0",
  "contacts": [
    {
      type: "Author",
      name: "John Doe",
      oldPartyId: null,
      highlighted: false
    }
  ],
  webLinks: [
    {
      href: "https://my.usgs.gov/repo/file/download/communities/WaterSMART/Draft/AIR_020107.shp",
      rel: "alternate",
      title: "Download",
      hidden: false
    },
    {
      href: "https://my.usgs.gov/repo/node/browse/communities/WaterSMART/Draft/AIR_020107.shp",
      rel: "via",
      title: "ScienceBase Repository",
      hidden: false
    },
    {
      href: "https://my.usgs.gov/repo/mapping/ows/communities/WaterSMART/Draft/AIR_020107.shp",
      rel: "http://www.sciencebase.gov/vocab/linkRelations/serviceCapabilitiesUrl",
      title: "OGC Service Capabilities URL",
      hidden: true
    },
    {
      href: "https://my.usgs.gov/repo/mapping/ows/communities/WaterSMART/Draft/AIR_020107.shp",
      rel: "http://www.sciencebase.gov/vocab/linkRelations/serviceMapUrl",
      title: "OGC Service Map URL",
      hidden: true
    },
    {
      href: "https://my.usgs.gov/repo/mapping/ows/communities/WaterSMART/Draft/AIR_020107.shp",
      rel: "http://www.sciencebase.gov/vocab/linkRelations/serviceFeatureInfoUrl",
      title: "OGC Service Feature Info URL",
      hidden: true
    }
  ],
  tags: [
    {
      type: "ItemType",
      scheme: "http://www.sciencebase.gov/vocab/category/item/types",
      term: "Online Data",
      categoryId: "4ee13c53e4b0f37470f2278c"
    },
    {
      type: "ItemType",
      scheme: "http://www.sciencebase.gov/vocab/category/item/types/Online%20Data",
      term: "Uploaded Shapefile",
      categoryId: "4ee13c55e4b0f37470f227c9"
    }
  ],
],
```

```
spatial: {
  representationalPoint: [
    1.98616682419483,
    47.1881842414308
  ],
  representationalPointIsDerived: true
},
facets: [
  {
    className: "gov.sciencebase.catalog.item.facet.ShapefileFacet",
    name: "AIR_020107",
    geometryType: "MultiPolygon",
    nativeCrs: "EPSG:5070",
    files: [
      {
        name: "AIR_020107.dbf",
        contentType: "application/octet-stream",
        pathOnDisk: "70/7a/e9/707ae9a005d4e5a9385ca1b0f1bad90771fc075e"
      },
      {
        name: "AIR_020107.shp",
        contentType: "x-gis/x-shapefile",
        pathOnDisk: "f8/4e/60/f84e601c960bda8a0189c191287ccddeb4d0c802"
      },
      {
        name: "AIR_020107.shp.xml",
        contentType: "application/xml",
        pathOnDisk: "0a/dd/8f/0add8f52460e93c3f8832790c7ae539106d890f7"
      },
      {
        name: "AIR_020107.prj",
        contentType: "text/plain",
        contentEncoding: "ISO-8859-1",
        pathOnDisk: "3a/69/7d/3a697d45203a6aded491207f3c9ab3317d440fdb"
      },
      {
        name: "AIR_020107.sbn",
        contentType: "x-gis/x-shapefile",
        pathOnDisk: "75/a7/f0/75a7f0c105c0add90c1ba11a2dc613e6a626d5ce"
      },
      {
        name: "AIR_020107.shx",
        contentType: "x-gis/x-shapefile",
        pathOnDisk: "b4/53/81/b45381fdf20fd8eeff7f2e0671da52c8ba69261c"
      },
      {
        name: "AIR_020107.sbx",
        contentType: "x-gis/x-shapefile",
        pathOnDisk: "5a/31/a3/5a31a38dcb68058ee74e4601c19d5e58bd88c363"
      }
    ]
  }
],
files: [
  {
    name: "AIR_020107.dbf",
    contentType: "application/octet-stream",
    pathOnDisk: "70/7a/e9/707ae9a005d4e5a9385ca1b0f1bad90771fc075e"
  },
  {
    name: "AIR_020107.shp",
    contentType: "x-gis/x-shapefile",
    pathOnDisk: "f8/4e/60/f84e601c960bda8a0189c191287ccddeb4d0c802"
  },
  {
    name: "AIR_020107.shp.xml",
    contentType: "application/xml",
    pathOnDisk: "0a/dd/8f/0add8f52460e93c3f8832790c7ae539106d890f7"
  },
  {
    name: "AIR_020107.prj",

```

```
    contentType: "text/plain",
    contentEncoding: "ISO-8859-1",
    pathOnDisk: "3a/69/7d/3a697d45203a6aded491207f3c9ab3317d440fdb"
  },
  {
    name: "AIR_020107.sbn",
    contentType: "x-gis/x-shapefile",
    pathOnDisk: "75/a7/f0/75a7f0c105c0add90c1ba11a2dc613e6a626d5ce"
  },
  {
    name: "AIR_020107.shx",
    contentType: "x-gis/x-shapefile",
    pathOnDisk: "b4/53/81/b45381fdf20fd8eef7f2e0671da52c8ba69261c"
  },
  {
    name: "AIR_020107.sbx",
    contentType: "x-gis/x-shapefile",
    pathOnDisk: "5a/31/a3/5a31a38dcb68058ee74e4601c19d5e58bd88c363"
  }
],
dates: [type:"Publication Date", dateString:"2007"],
}
```

Notes About GET and the Item collection

- 404 is returned when no matching records found for ID