

NAME

projsync – Downloading tool of resource files

SYNOPSIS**projsync**

```
[--endpoint URL]
[--local-geojson-file FILENAME]
([--user-writable-directory] | [--system-directory] | [--target-dir DIRNAME])
[--bbox west_long,south_lat,east_long,north_lat]
[--spatial-test contains|intersects]
[--source-id ID] [--area-of-use NAME]
[--file NAME]
[--all] [--exclude-world-coverage]
[--quiet | --verbose] [--dry-run] [--list-files]
[--no-version-filtering]
```

DESCRIPTION

projsync is a program that downloads remote resource files into a local directory. This is an alternative to downloading a proj-data-X.Y.Z archive file, or using the on-demand networking capabilities of PROJ.

The following control parameters can appear in any order:

--endpoint URL

Defines the URL where to download the master **files.geojson** file and then the resource files. Defaults to the value set in proj-ini

--local-geojson-file FILENAME

Defines the filename for the master GeoJSON files that references resources. Defaults to **\${endpoint}/files.geojson**

--user-writable-directory

Specifies that resource files must be downloaded in the user writable directory. This is the default.

--system-directory

Specifies that resource files must be downloaded in the **\${installation_prefix}/share/proj** directory. The user launching projsync should make sure it has writing rights in that directory.

--target-dir DIRNAME

Directory into which resource files must be downloaded.

--bbox west_long,south_lat,east_long,north_lat

Specify an area of interest to restrict the resources to download. The area of interest is specified as a bounding box with geographic coordinates, expressed in degrees in a unspecified geographic CRS. *west_long* and *east_long* should be in the **[-180,180]** range, and *south_lat* and *north_lat* in the **[-90,90]**. *west_long* is generally lower than *east_long*, except in the case where the area of interest crosses the antimeridian.

--spatial-test contains|intersects

Specify how the extent of the resource files are compared to the area of use specified explicitly with **--bbox**. By default, any resource files whose extent intersects the value specified by **--bbox** will be selected. If using the **contains** strategy, only resource files whose extent is contained in the value specified by **--bbox** will be selected.

--source-id ID

Restrict resource files to be downloaded to those whose *source_id* property contains the ID value. Specifying **?** as ID will list all possible values.

--area-of-use NAME

Restrict resource files to be downloaded to those whose *area_of_use* property contains the NAME value. Specifying **?** as NAME will list all possible values.

--file NAME

Restrict resource files to be downloaded to those whose name property contains the NAME value. Specifying ? as NAME will list all possible values.

--all Ask to download all files.**--exclude-world-coverage**

Exclude files which have world coverage.

-q / --quiet

Quiet mode

--verbose

New in version 8.1.

Verbose mode (more than default)

--dry-run

Simulate the behavior of the tool without downloading resource files.

--list-files

List file names, with the source_id and area_of_use properties.

--no-version-filtering

New in version 8.1.

By default, projsync only downloads files that are compatible of the PROJ_DATA.VERSION metadata of **proj.db**, taking into account the **version_added** and **version_removed** properties of entries in **files.geojson**. When specifying this switch, all files referenced in **files.geojson** will be candidate (combined with other filters).

At least one of *--list-files*, *--file*, *--source-id*, *--area-of-use*, *--bbox* or *--all* must be specified.

Options *--file*, *--source-id*, *--area-of-use* and *--bbox* are combined with a AND logic.

EXAMPLES

1. Download all resource files

```
projsync --all
```

2. Download resource files covering specified point and attributing to an agency

```
projsync --source-id fr_ign --bbox 2,49,2,49
```

SEE ALSO

cs2cs(1), **cct(1)**, **geod(1)**, **gie(1)**, **proj(1)**, **projinfo(1)**

BUGS

A list of known bugs can be found at <https://github.com/OSGeo/PROJ/issues> where new bug reports can be submitted to. Bugs specific to resource files should be submitted to <https://github.com/OSGeo/PROJ-data/issues>

HOME PAGE

<https://proj.org/>

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