



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'projsync.1' command

\$ man projsync.1

PROJSYNC(1) PROJ PROJSYNC(1)

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 `projjsync` 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 an 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.

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 sub?

mitted to. Bugs specific to resource files should be submitted to

<https://github.com/OSGeo/PROJ-data/issues>

HOME PAGE

<https://proj.org/>

AUTHOR

Even Rouault

COPYRIGHT

1983-2021

8.2.0

Nov 1, 2021

PROJSYNC(1)