Table of Contents

Core Commands

List

List all command names.

Short Name	Long Name	Description
-d	--description	Include the description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc list
```

```
carto map
filter cql2xml
geometry convert
geometry dd2pt
geometry geohash bounds
geometry geohash decode
geometry geohash encode
geometry geohash neighbors
geometry greatcirclearc
geometry offset
...
```

List all commands names with a short description.

```
geoc list -d
```

```
carto map = Create a cartographic map
filter cql2xml = Convert a CQL statement to an OCG XML Filter
geometry convert = Convert a geometry from one format to another
geometry dd2pt = Convert a decimal degrees formatted string into a Point
geometry geohash bounds = Calculate the geohashes for the given bounds
geometry geohash decode = Decode a GeoHash to a Geometry.
geometry geohash encode = Encode a Geometry as a GeoHash
geometry geohash neighbors = Get a geohash's neighbors
geometry greatcirclearc = Create a great circle arc.
geometry offset = Create a Geometry offset from the input Geometry
...
```

Version

Get the current version.

Short Name	Long Name	Description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc version
```

```
0.22.0-SNAPSHOT
```

Help

You can get help from any subcommand.

```
geoc vector buffer --help
```

```
geoc vector buffer: Buffer the features of the input Layer and save them to the output
Layer
 --help                     : Print the help message (default: true)
 --web-help                 : Open help in a browser (default: false)
 -c (--capstyle) VAL        : The cap style (default: round)
 -d (--distance) VAL        : The buffer distance
 -i (--input-workspace) VAL : The input workspace
 -l (--input-layer) VAL     : The input layer
 -o (--output-workspace) VAL : The output workspace
 -q (--quadrantsegments) N  : The number of quadrant segments (default: 8)
 -r (--output-layer) VAL    : The output layer
 -s (--singlesided)         : Whether buffer should be single sided or not
                              (default: false)
```
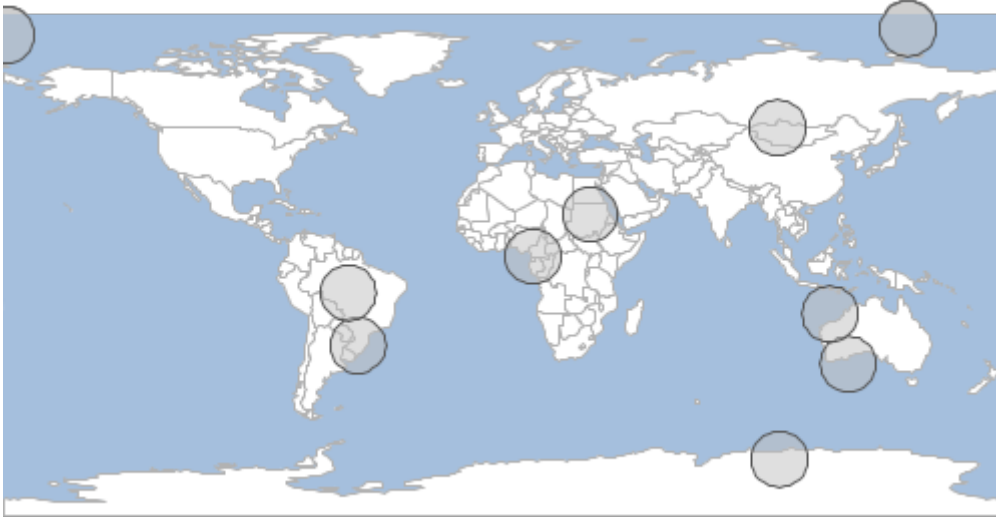
Pipe

Combine multiple commands together with a pipe.

Short Name	Long Name	Description
-c	--commands	Commands separate by pipe
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc pipe -c vector randompoints -n 10 -g -180,-90,180,90 | vector buffer -d 10
```

```
"id:Integer","the_geom:Polygon:EPSG:4326"
"0","POLYGON ((-42.436061639517646 -29.097687392121713, -42.62820883548534
-31.048590612282997, -43.19726631440478 -32.92452171577261, -44.12136551649219
-34.65338972231773, -45.36499382765217 -36.16875520398719, -46.880359309321626
-37.41238351514717, -48.60922731586675 -38.33648271723458, -50.48515841935637
-38.90554019615402, -52.436061639517646 -39.09768739212171, -54.386964859678926
-38.90554019615402, -56.262895963168546 -38.33648271723458, -57.991763969713666
-37.41238351514717, -59.50712945138312 -36.16875520398719, -60.7507577625431
-34.65338972231773, -61.674856964630514 -32.92452171577261, -62.243914443549954
-31.048590612283, -62.436061639517646 -29.097687392121713, -62.243914443549954
-27.14678417196043, -61.674856964630514 -25.270853068470817, -60.7507577625431
-23.541985061925693, -59.50712945138312 -22.026619580256238, -57.991763969713666
-20.78299126909626, -56.262895963168546 -19.85889206700885, -54.38696485967893
-19.289834588089413, -52.436061639517646 -19.097687392121713, -50.48515841935637
-19.28983458808941, -48.60922731586675 -19.858892067008846, -46.880359309321626
-20.782991269096257, -45.36499382765217 -22.026619580256238, -44.12136551649219
-23.541985061925693, -43.197266314404786 -25.27085306847081, -42.628208835485346
-27.14678417196043, -42.436061639517646 -29.097687392121713))"
...
```

Shell

Run commands in an interactive shell.

Short Name	Long Name	Description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc shell
```

```
Last login: Wed Oct  5 18:18:54 on ttys002
[jericks@Jareds-MacBook-Pro-2 ~ % geoc shell

                       _            _ _
  __ _  ___  ___   ___| |__   ___  | | |
 / _` |/ _ \/ _ \ / __| '_ \ / _ \ | | |
| (_| |  __/ (_) | (__| | | |  __/ | | |
 \__, |\___|\___/ \___|_| |_|\___| |_|_|
  __/ |
 |___/

geoc> ▏
```

You can now type commands in the interactive shell.

If you hit the **tab** key you can get command line completion.

You can use the tab key again to cycle through the suggested values and hit the **return** key to select one.

```
Last login: Wed Oct  5 18:18:54 on ttys002
[jericks@Jareds-MacBook-Pro-2 ~ % geoc shell


          _                   _   _
     __ _| | _____   ____ _  | |_| |__  ___| | |
    / _` | |/ / _ \ / / _` | / __| '_ \ / _ \ | |
   | (_| |   <  __/ / / (_| | \__ \ | | |  __/ | |
    \__, |_|\_\___| \/ \__,_| |___/_| |_|\___|_|_|
       _/ |
      |___/

[geoc> █
carto        geometry    map         proj        shell       tile        version
filter       list        pipe        raster      style       vector
```

In this example, we are looking for the vector contains command, so after typing vector c and hitting tab, we get a list of all vector commands that begin with the letter c.

```
[geoc> vector c
centroid          contains          coordinates       create
clip              convexhull        copy
compareschemas    convexhulls       count
```

Once we have found our command, the shell will also provide completion for options.

```
[geoc> vector buffer -
--capstyle          --output-workspace    -i
--distance          --quadrantsegments    -l
--help              --singlesided         -o
--input-layer       --web-help            -q
--input-workspace   -c                    -r
--output-layer      -d                    -s
```