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
```

```
0.20.0-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 ((127.31433098180298 30.715828979707837, 127.12218378583529
28.764925759546554, 126.55312630691586 26.888994656056937, 125.62902710482844
25.160126649511817, 124.38539879366846 23.64476116784236, 122.87003331199901
22.401132856682384, 121.14116530545388 21.47703365459497, 119.26523420196426
20.907976175675532, 117.31433098180298 20.715828979707837, 115.3634277616417
20.907976175675532, 113.48749665815208 21.47703365459497, 111.75862865160695
22.40113285668238, 110.2432631699375 23.64476116784236, 108.99963485877753
25.160126649511817, 108.0755356566901 26.888994656056937, 107.50647817777067
28.76492575954655, 107.31433098180298 30.715828979707837, 107.50647817777067
32.666732199869124, 108.0755356566901 34.54266330335874, 108.99963485877753
36.27153130990386, 110.2432631699375 37.78689679157331, 111.75862865160695
39.03052510273329, 113.48749665815208 39.9546243048207, 115.3634277616417
40.52368178374014, 117.31433098180298 40.71582897970784, 119.26523420196426
40.523681783740145, 121.14116530545388 39.954624304820705, 122.870033311999
39.03052510273329, 124.38539879366846 37.78689679157331, 125.62902710482844
36.27153130990386, 126.55312630691584 34.542663303358744, 127.12218378583529
32.666732199869124, 127.31433098180298 30.715828979707837))"
...
```
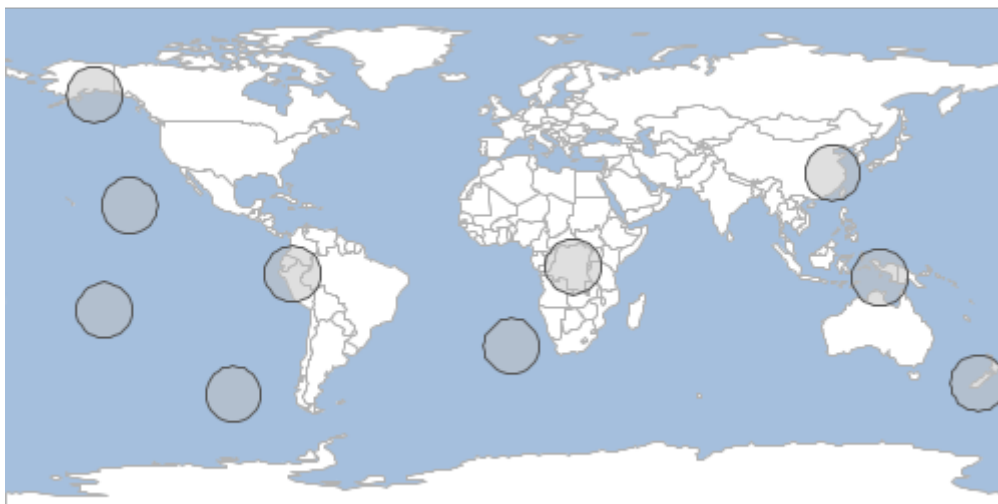
Shell

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
```

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
```

```
● ● ●                    📁 jericks — java ‹ geoc shell — 80×24

                        ~ — java ‹ geoc shell                        +

[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
```