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 ((187.1102908686007 -43.54337817255632, 186.91814367263302
-45.494281392717596, 186.3490861937136 -47.370212496207216, 185.42498699162616
-49.09908050275234, 184.1813586804662 -50.61444598442179, 182.66599319879674
-51.85807429558177, 180.9371251922516 -52.782173497669184, 179.061194088762
-53.351230976588624, 177.1102908686007 -53.54337817255632, 175.15938764843943
-53.351230976588624, 173.28345654494981 -52.782173497669184, 171.5545885384047
-51.85807429558177, 170.03922305673524 -50.61444598442179, 168.79559474557527
-49.09908050275234, 167.87149554348784 -47.370212496207216, 167.3024380645684
-45.4942813927176, 167.1102908686007 -43.54337817255632, 167.3024380645684
-41.59247495239503, 167.87149554348784 -39.71654384890542, 168.79559474557527
-37.9876758423603, 170.03922305673524 -36.47231036069084, 171.5545885384047
-35.22868204953086, 173.28345654494981 -34.304582847443456, 175.15938764843943
-33.735525368524016, 177.1102908686007 -33.54337817255632, 179.061194088762
-33.73552536852401, 180.9371251922516 -34.30458284744345, 182.66599319879674
-35.22868204953086, 184.1813586804662 -36.47231036069084, 185.42498699162616
-37.9876758423603, 186.3490861937136 -39.71654384890541, 186.91814367263302
-41.5924749523903, 187.1102908686007 -43.54337817255632))"
...
```
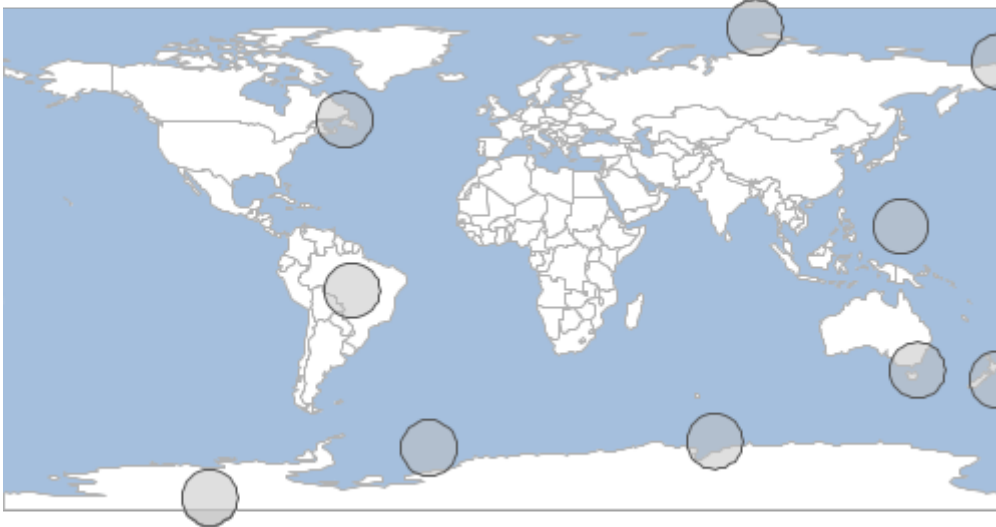
Shell

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
```

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
```