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)
```
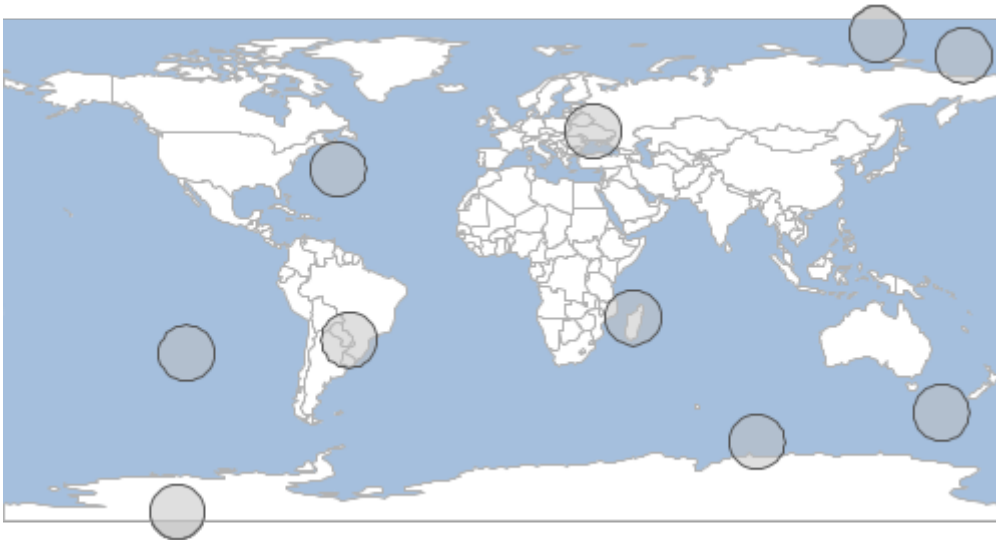
Pipe

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 ((-107.39847172300026 -87.13469443143255, -107.59061891896795
-89.08559765159383, -108.15967639788738 -90.96152875508345, -109.0837755999748
-92.69039676162858, -110.32740391113478 -94.20576224329803, -111.84276939280423
-95.449390554458, -113.57163739934936 -96.37348975654541, -115.44756850283898
-96.94254723546486, -117.39847172300026 -97.13469443143255, -119.34937494316154
-96.94254723546486, -121.22530604665116 -96.37348975654541, -122.95417405319628
-95.449390554458, -124.46953953486573 -94.20576224329803, -125.71316784602571
-92.69039676162858, -126.63726704811313 -90.96152875508345, -127.20632452703256
-89.08559765159383, -127.39847172300026 -87.13469443143255, -127.20632452703256
-85.18379121127127, -126.63726704811313 -83.30786010778165, -125.71316784602571
-81.57899210123654, -124.46953953486573 -80.06362661956707, -122.95417405319628
-78.8199983084071, -121.22530604665116 -77.89589910631969, -119.34937494316154
-77.32684162740024, -117.39847172300026 -77.13469443143255, -115.44756850283898
-77.32684162740024, -113.57163739934936 -77.89589910631969, -111.84276939280424
-78.8199983084071, -110.32740391113478 -80.06362661956707, -109.0837755999748
-81.57899210123652, -108.1596763978874 -83.30786010778165, -107.59061891896795
-85.1837912112726, -107.39847172300026 -87.13469443143255))"
...
```

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.

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

                        ~ — java ‹ geoc shell                        +

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
```