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 ((-75.49131912650618 42.16006141095295, -75.68346632247388
40.20915819079167, -76.25252380139332 38.33322708730205, -77.17662300348073
36.60435908075693, -78.42025131464071 35.08899359908747, -79.93561679631016
33.84536528792749, -81.66448480285528 32.92126608584008, -83.5404159063449
32.35220860692064, -85.49131912650618 32.16006141095295, -87.44222234666746
32.35220860692064, -89.31815345015708 32.92126608584008, -91.0470214567022
33.84536528792749, -92.56238693837166 35.08899359908747, -93.80601524953164
36.60435908075693, -94.73011445161904 38.33322708730205, -95.29917193053849
40.20915819079166, -95.49131912650618 42.16006141095295, -95.29917193053849
44.110964631114236, -94.73011445161904 45.98689573460385, -93.80601524953164
47.71576374114897, -92.56238693837166 49.231129222818424, -91.04702145670221
50.474757533978405, -89.31815345015708 51.39885673606581, -87.44222234666746
51.96791421498525, -85.49131912650618 52.16006141095295, -83.5404159063449
51.96791421498526, -81.66448480285528 51.39885673606582, -79.93561679631017
50.474757533978405, -78.42025131464071 49.231129222818424, -77.17662300348073
47.71576374114897, -76.25252380139332 45.986895734603856, -75.68346632247388
44.110964631114236, -75.49131912650618 42.16006141095295))"
...
```
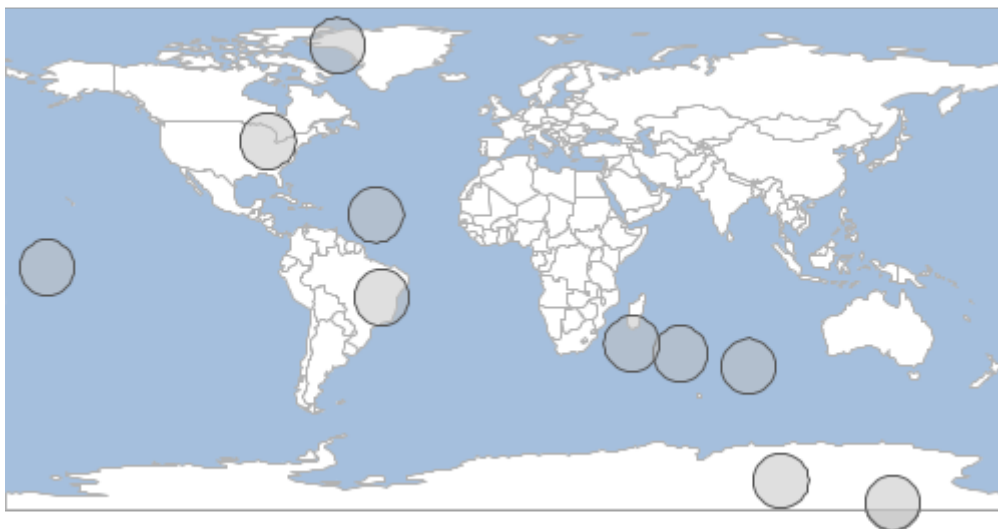
Shell

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
```