

Table of Contents

Core Commands	1
List	1
Version	2
Help	2
Pipe	3
Shell	4

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

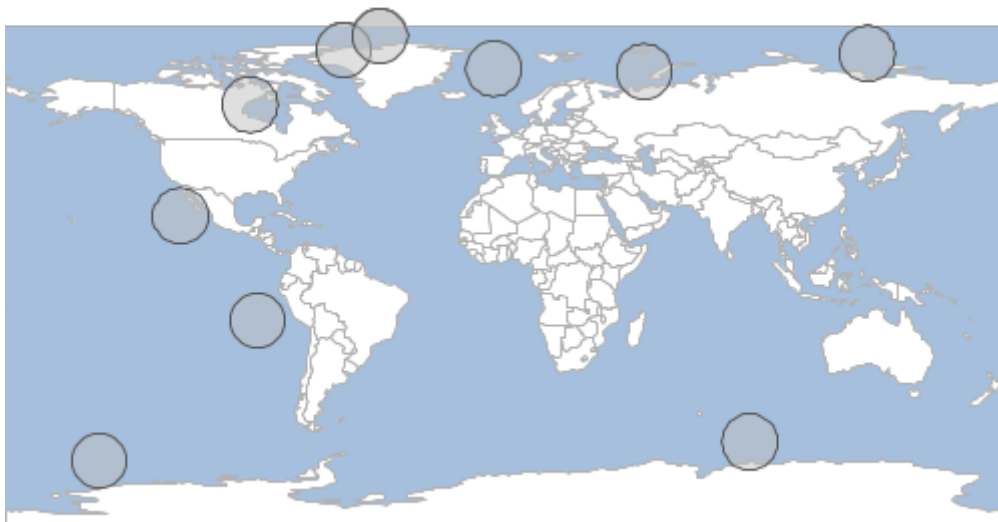
Combine multiple commands together with a pipe.

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 ((-79.35740042746062 -15.799047702193235, -79.54954762342831
-17.749950922354518, -80.11860510234774 -19.625882025844135, -81.04270430443516
-21.354750032389255, -82.28633261559514 -22.87011551405871, -83.80169809726459
-24.113743825218688, -85.53056610380972 -25.037843027306103, -87.40649720729934
-25.60690050622554, -89.35740042746062 -25.799047702193235, -91.3083036476219
-25.60690050622554, -93.18423475111152 -25.037843027306103, -94.91310275765665
-24.11374382521869, -96.4284682393261 -22.87011551405871, -97.67209655048607
-21.354750032389255, -98.5961957525735 -19.625882025844135, -99.16525323149293
-17.74995092235452, -99.35740042746062 -15.799047702193237, -99.16525323149293
-13.848144482031952, -98.5961957525735 -11.972213378542339, -97.67209655048607
-10.243345371997215, -96.4284682393261 -8.72797989032776, -94.91310275765665
-7.484351579167782, -93.18423475111152 -6.560252377080371, -91.3083036476219
-5.991194898160932, -89.35740042746062 -5.799047702193235, -87.40649720729934
-5.991194898160931, -85.53056610380972 -6.560252377080369, -83.8016980972646
-7.484351579167781, -82.28633261559514 -8.727979890327758, -81.04270430443516
-10.243345371997213, -80.11860510234776 -11.972213378542332, -79.54954762342831
-13.848144482031948, -79.35740042746062 -15.799047702193235)))"
```

...



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



```
jericks — java ◀ geoc shell — 80x24
~ — java ◀ geoc shell
Last login: Wed Oct 5 18:18:54 on ttys002
jericks@Jareds-MacBook-Pro-2 ~ % geoc shell

geoc

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 — 80x24
~ — java ◀ geoc shell
Last login: Wed Oct 5 18:18:54 on ttys002
[jericks@Jareds-MacBook-Pro-2 ~ % geoc shell]

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.



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



```
jericks — java ◀ geoc shell — 80x24
~ — java ◀ geoc shell
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
```