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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)
```

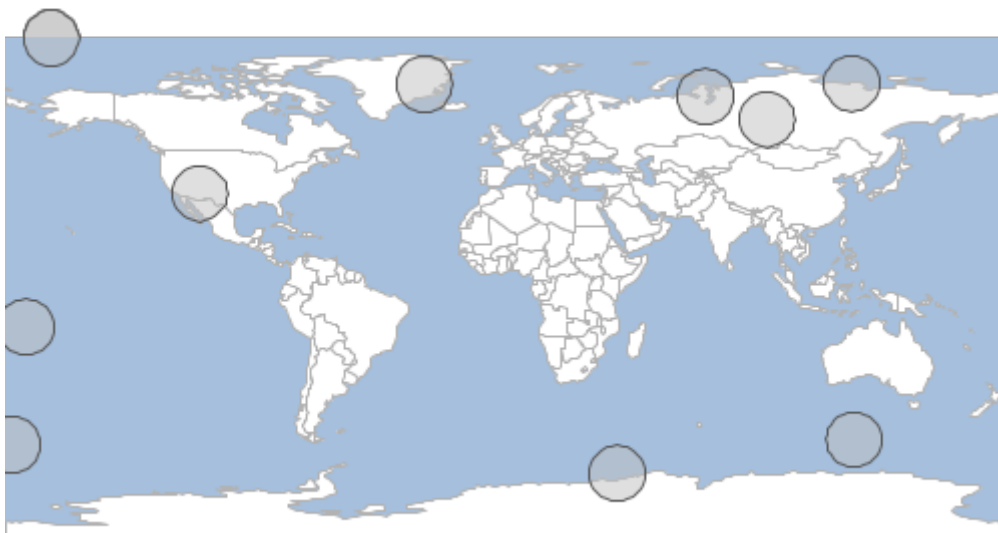
Pipe

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 ((49.96919241084396 -66.8374882626343, 49.77704521487627
-68.78839148279557, 49.20798773595683 -70.6643225862852, 48.28388533869415
-72.39319059283032, 47.040260222709435 -73.90855607449977, 45.52489474103998
-75.15218438565975, 43.79602673449486 -76.07628358774716, 41.92009563100524
-76.64534106666666, 39.96919241084396 -76.8374882626343, 38.01828919068268
-76.64534106666666, 36.14235808719306 -76.07628358774716, 34.41349008064794
-75.15218438565975, 32.898124598978484 -73.90855607449977, 31.654496287818507
-72.39319059283032, 30.73039708573109 -70.6643225862852, 30.161339606811655
-68.78839148279557, 29.96919241084396 -66.8374882626343, 30.161339606811655
-64.88658504247302, 30.73039708573109 -63.010653938983396, 31.654496287818503
-61.281785932438275, 32.898124598978484 -59.76642045076882, 34.41349008064794
-58.52279213960884, 36.14235808719306 -57.598692937521434, 38.01828919068267
-57.029635458601994, 39.96919241084396 -56.837488262634295, 41.92009563100524
-57.02963545860199, 43.79602673449486 -57.59869293752143, 45.52489474103998
-58.52279213960884, 47.040260222709435 -59.76642045076882, 48.28388533869415
-61.281785932438275, 49.20798773595682 -63.01065393898339, 49.77704521487626
-64.886585042473, 49.96919241084396 -66.8374882626343)))"
...
```



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

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
```