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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)
```

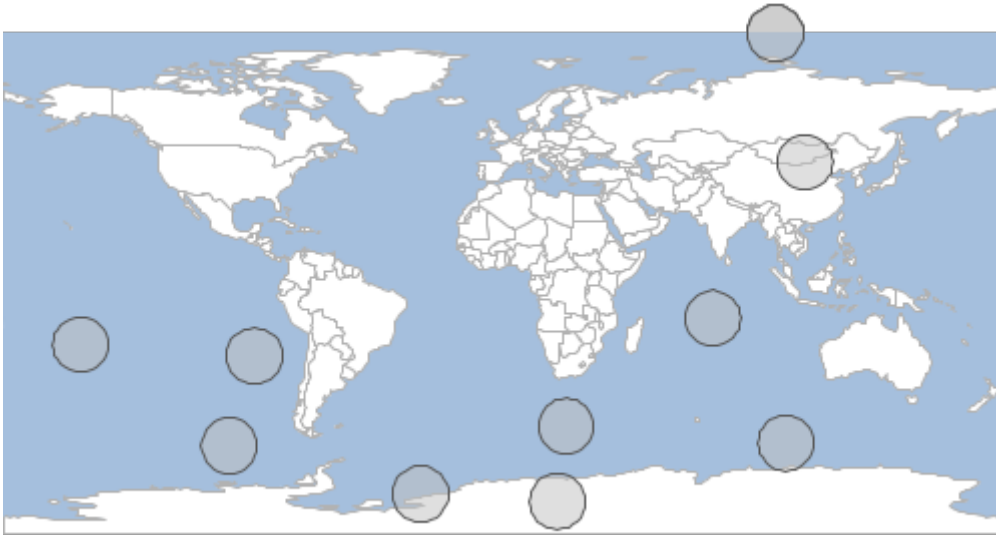
Pipe

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 ((-19.947715091207186 -75.99635909537186, -20.139862287174882
-77.94726231553314, -20.70891976609432 -79.82319341902276, -21.633018968181734
-81.55206142556789, -22.87664727934171 -83.06742690723733, -24.392012761011163
-84.31105521839731, -26.120880767556287 -85.23515442048472, -27.996811871045903
-85.80421189940417, -29.947715091207186 -85.99635909537186, -31.89861831136847
-85.80421189940417, -33.774549414858086 -85.23515442048472, -35.503417421403206
-84.31105521839731, -37.01878290307266 -83.06742690723733, -38.26241121423264
-81.55206142556789, -39.186510416320054 -79.82319341902276, -39.755567895239494
-77.94726231553314, -39.947715091207186 -75.99635909537186, -39.755567895239494
-74.04545587521058, -39.186510416320054 -72.16952477172096, -38.26241121423264
-70.44065676517585, -37.01878290307266 -68.92529128350638, -35.503417421403206
-67.6816629723464, -33.774549414858086 -66.757563770259, -31.898618311368473
-66.18850629133955, -29.94771509120719 -65.99635909537186, -27.996811871045903
-66.18850629133955, -26.120880767556287 -66.757563770259, -24.392012761011166
-67.6816629723464, -22.87664727934171 -68.92529128350638, -21.633018968181734
-70.44065676517583, -20.708919766094322 -72.16952477172096, -20.139862287174886
-74.04545587521056, -19.947715091207186 -75.99635909537186)))"
...
```



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
```