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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)
```

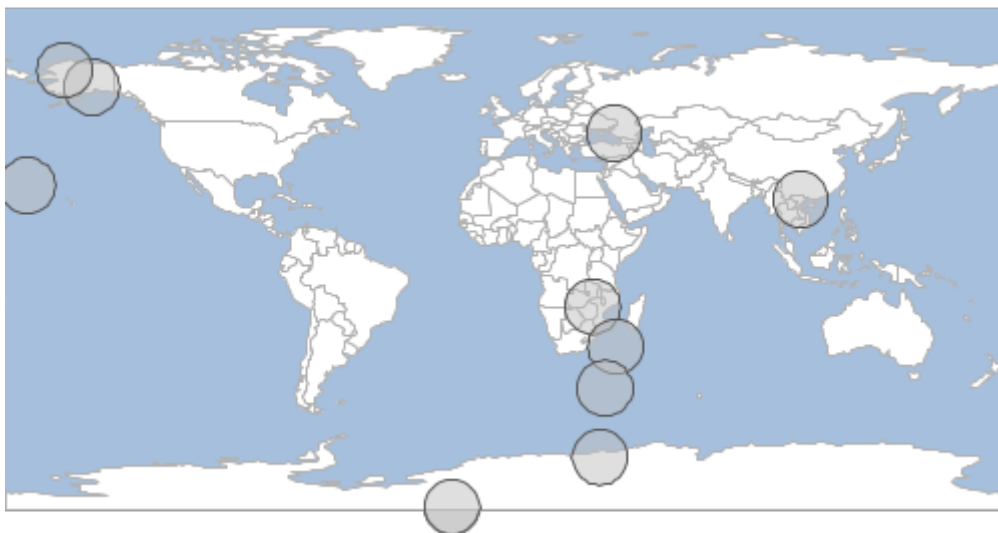
Pipe

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 ((-138.7909553125902 61.63564832048135, -138.9831025085579
59.68474510032007, -139.55215998747732 57.80881399683045, -140.47625918956476
56.07994599028533, -141.71988750072472 54.564580508615876, -143.23525298239417
53.320952197455895, -144.9641209889393 52.396852995368484, -146.84005209242892
51.827795516449044, -148.7909553125902 51.63564832048135, -150.74185853275148
51.827795516449044, -152.6177896362411 52.396852995368484, -154.34665764278623
53.320952197455895, -155.86202312445567 54.564580508615876, -157.10565143561564
56.07994599028533, -158.02975063770307 57.80881399683045, -158.5988081166225
59.684745100320065, -158.7909553125902 61.63564832048135, -158.5988081166225
63.58655154064264, -158.02975063770307 65.46248264413225, -157.10565143561564
67.19135065067738, -155.86202312445567 68.70671613234683, -154.34665764278623
69.95034444350681, -152.6177896362411 70.87444364559421, -150.74185853275148
71.44350112451366, -148.7909553125902 71.63564832048135, -146.84005209242892
71.44350112451366, -144.9641209889393 70.87444364559421, -143.23525298239417
69.95034444350681, -141.71988750072472 68.70671613234683, -140.47625918956476
67.19135065067738, -139.55215998747732 65.46248264413225, -138.9831025085579
63.58655154064264, -138.7909553125902 61.63564832048135)))"
...
```



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
```