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)
```

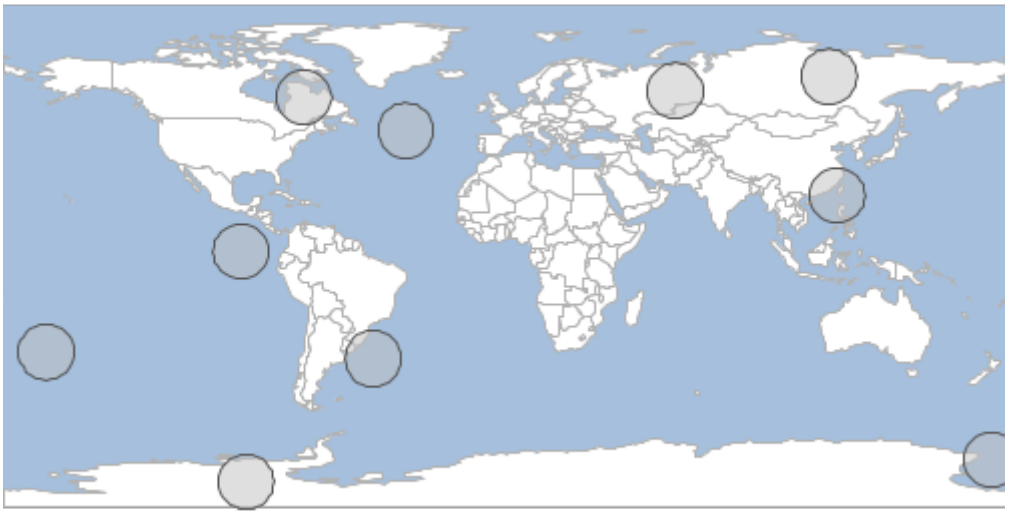
Pipe

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 ((126.83244086464765 64.33991870297484, 126.64029366867996
62.38901548281356, 126.07123618976053 60.51308437932394, 125.14713698767311
58.78421637277882, 123.90350867651313 57.268850891109366, 122.38814319484368
56.025222579949386, 120.65927518829855 55.101123377861974, 118.78334408480893
54.532065898942534, 116.83244086464765 54.33991870297484, 114.88153764448637
54.532065898942534, 113.00560654099675 55.101123377861974, 111.27673853445162
56.025222579949386, 109.76137305278218 57.268850891109366, 108.5177447416222
58.78421637277882, 107.59364553953478 60.51308437932394, 107.02458806061534
62.389015482813555, 106.83244086464765 64.33991870297484, 107.02458806061534
66.29082192313612, 107.59364553953478 68.16675302662574, 108.5177447416222
69.89562103317087, 109.76137305278218 71.41098651484032, 111.27673853445162
72.6546148260003, 113.00560654099675 73.5787140280877, 114.88153764448637
74.14777150700715, 116.83244086464765 74.33991870297484, 118.78334408480893
74.14777150700715, 120.65927518829855 73.5787140280877, 122.38814319484366
72.6546148260003, 123.90350867651313 71.41098651484032, 125.14713698767311
69.89562103317087, 126.07123618976051 68.16675302662574, 126.64029366867996
66.29082192313614, 126.83244086464765 64.33991870297484))"
...
```

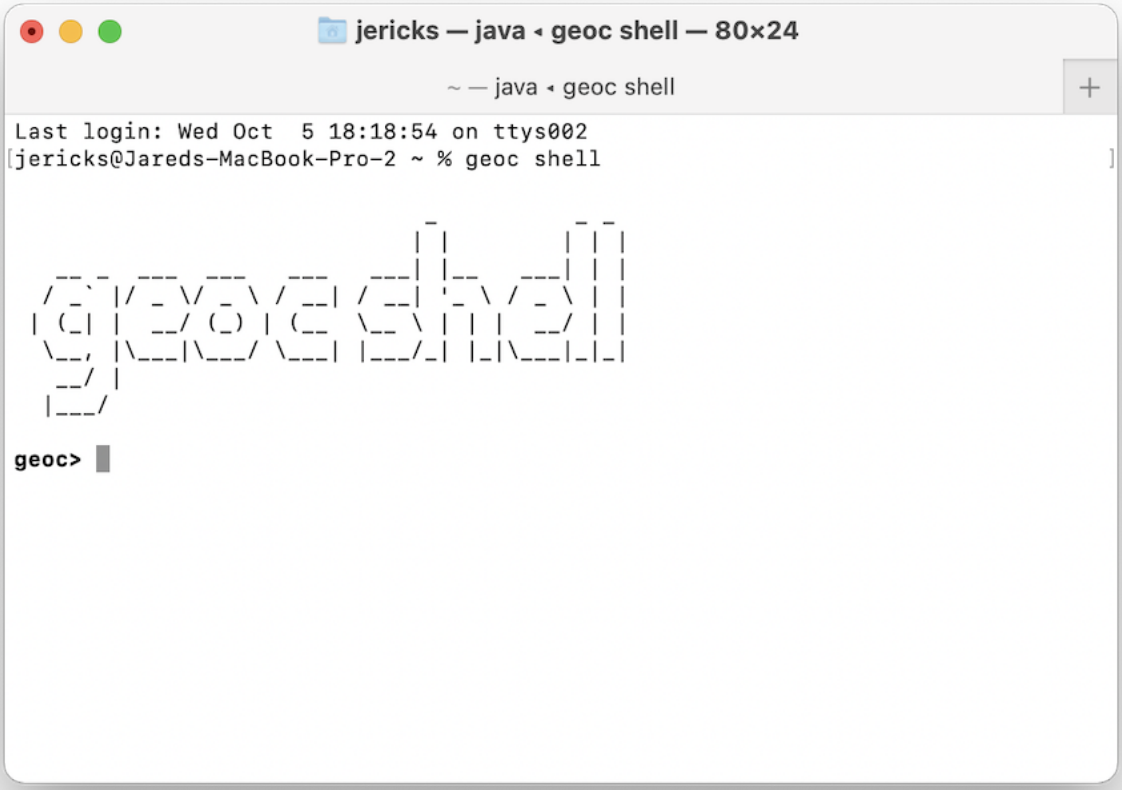


Shell

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
```

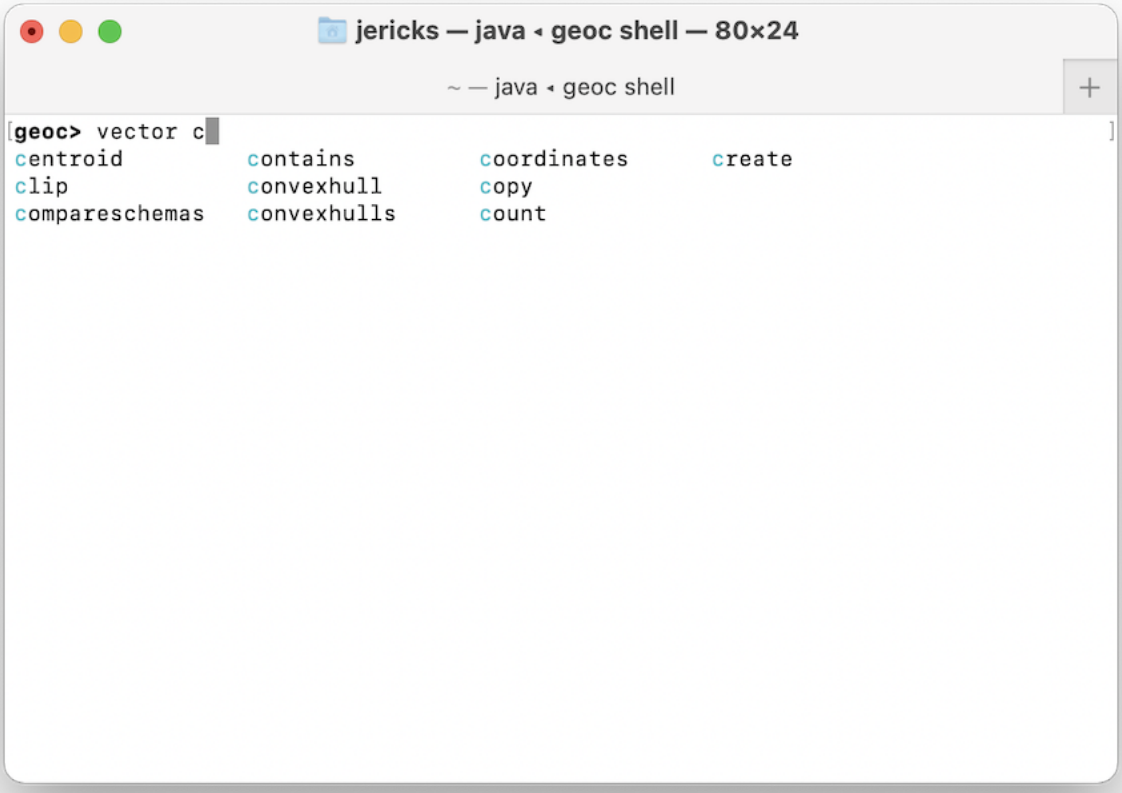


You can now type commands in the interactive shell.

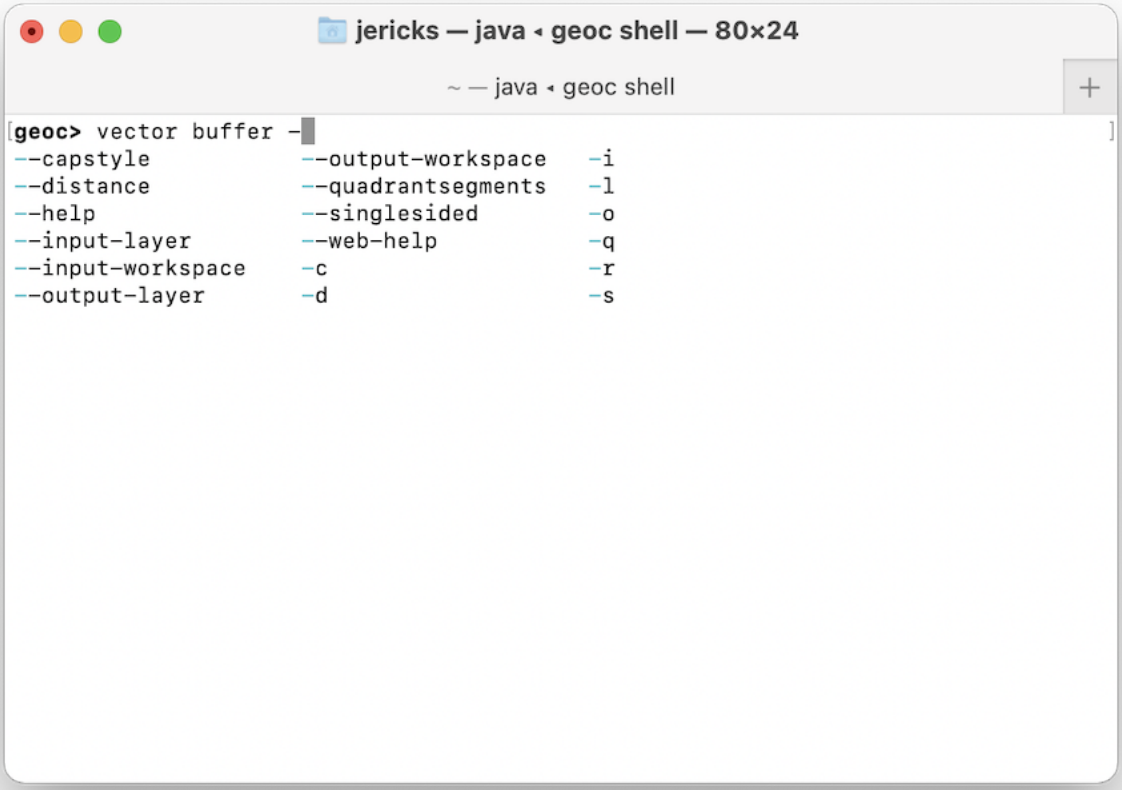
If you hit the **tab** key you can get command line completion.

You can use the tab key again to cycle through the suggested values and hit the **return** key to select one.

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 — 80×24
~ — java ◂ geoc shell
geoc> vector buffer -
--capstyle
--distance
--help
--input-layer
--input-workspace
--output-layer
--output-workspace
--quadrantsegments
--singlesided
--web-help
-c
-d
-i
-l
-o
-q
-r
-s