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)
```

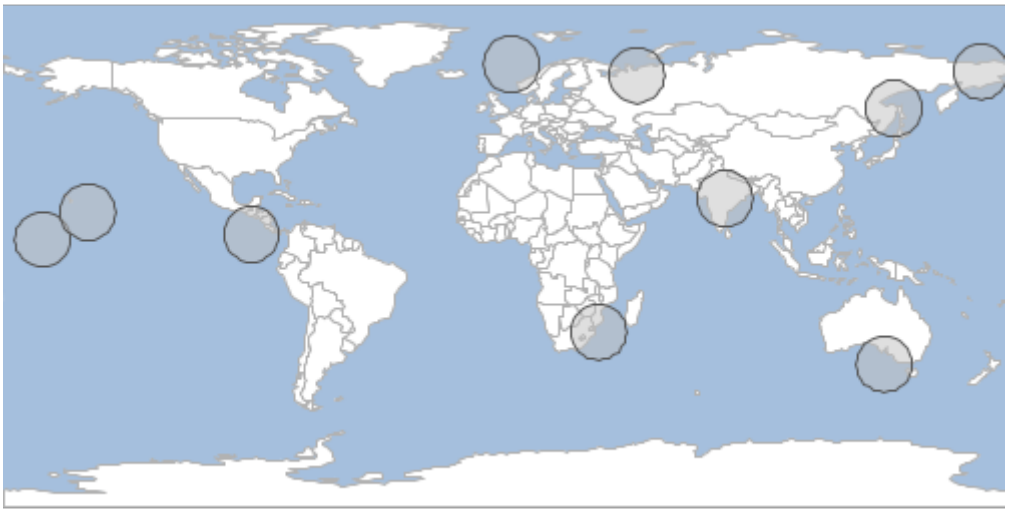
Pipe

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 ((150.07550884873206 52.88527260542742, 149.88336165276436
50.93436938526614, 149.31430417384493 49.05843828177652, 148.3902049717575
47.3295702752314, 147.14657666059753 45.81420479356194, 145.63121117892808
44.57057648240196, 143.90234317238296 43.64647728031455, 142.02641206889334
43.07741980139511, 140.07550884873206 42.88527260542742, 138.12460562857078
43.07741980139511, 136.24867452508116 43.64647728031455, 134.51980651853603
44.57057648240196, 133.00444103686658 45.81420479356194, 131.76081272570661
47.3295702752314, 130.83671352361918 49.05843828177652, 130.26765604469975
50.93436938526613, 130.07550884873206 52.88527260542742, 130.26765604469975
54.836175825588704, 130.83671352361918 56.71210692907832, 131.76081272570661
58.44097493562344, 133.00444103686658 59.95634041729289, 134.51980651853603
61.19996872845287, 136.24867452508116 62.12406793054028, 138.12460562857078
62.69312540945972, 140.07550884873206 62.88527260542742, 142.02641206889334
62.693125409459725, 143.90234317238296 62.124067930540285, 145.63121117892808
61.19996872845287, 147.14657666059753 59.95634041729289, 148.3902049717575
58.44097493562344, 149.31430417384493 56.712106929078324, 149.88336165276436
54.836175825588704, 150.07550884873206 52.88527260542742))"
...
```

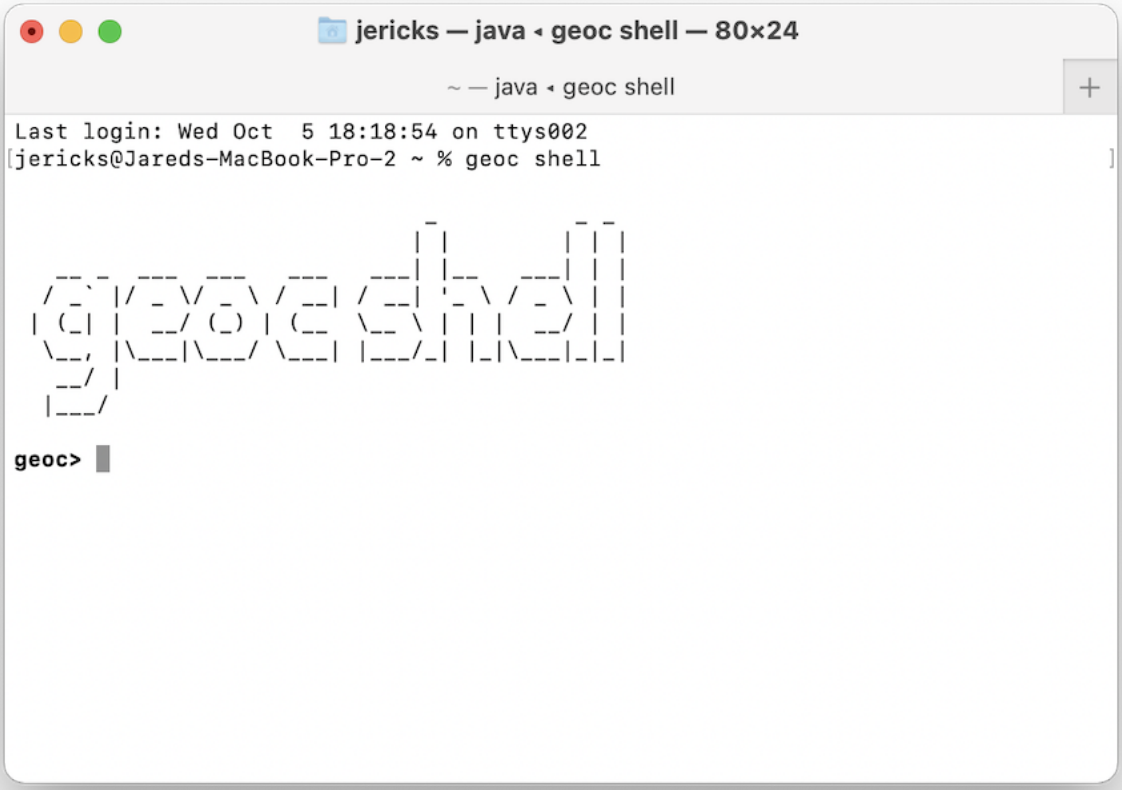


Shell

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
```

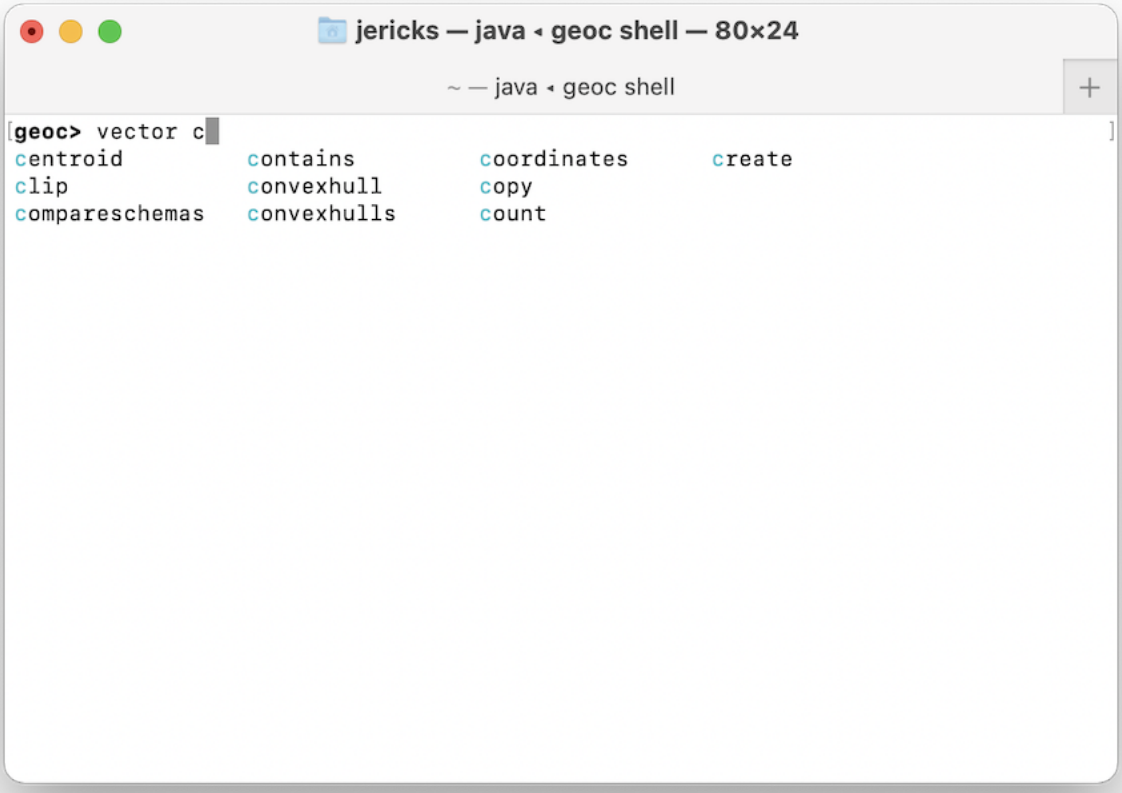


You can now type commands in the interactive shell.

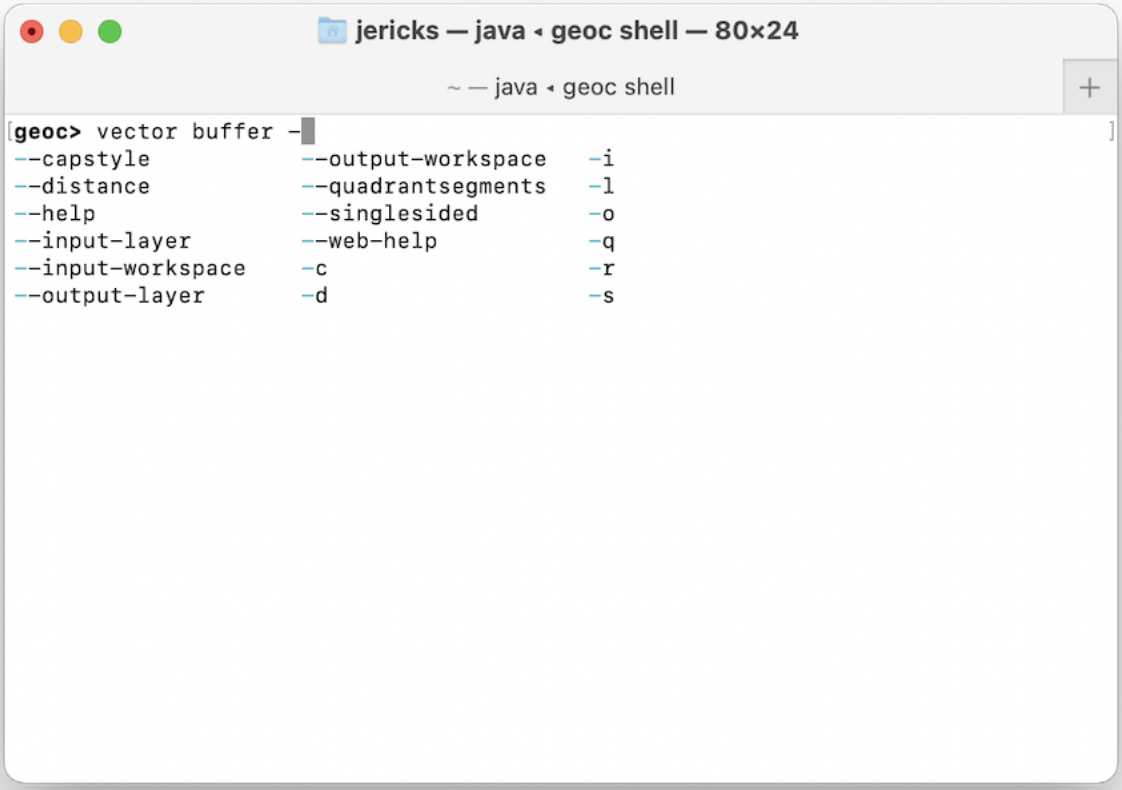
If you hit the **tab** key you can get command line completion.

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