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)
```

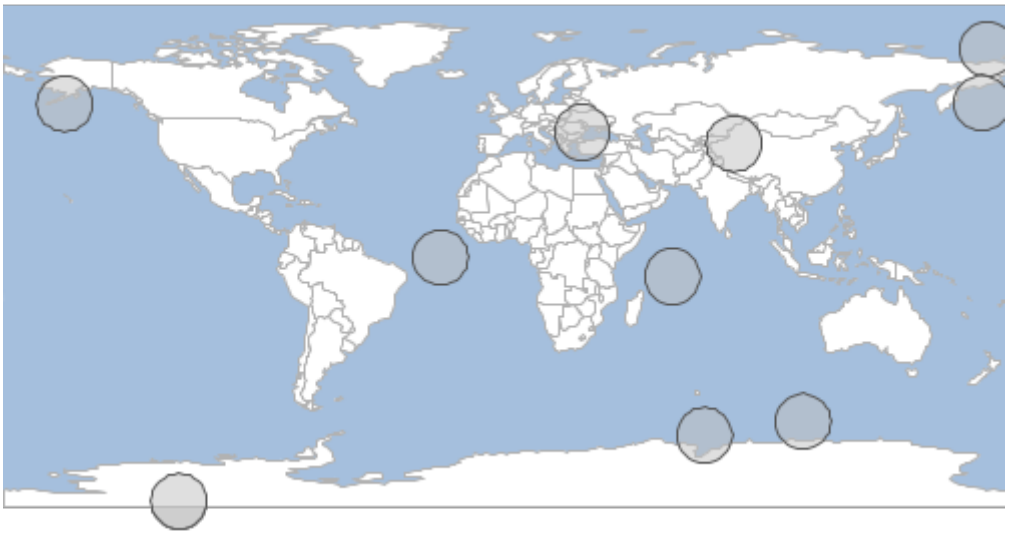
Pipe

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 ((38.02210892718483 44.204728244613875, 37.82996173121714
42.253825024452595, 37.2609042522977 40.377893920962975, 36.33680505021029
38.649025914417855, 35.09317673905031 37.1336604327484, 33.57781125738085
35.89003212158842, 31.84894325083573 34.96593291950101, 29.973012147346115
34.39687544058157, 28.02210892718483 34.204728244613875, 26.071205707023548
34.39687544058157, 24.195274603533935 34.96593291950101, 22.46640659698881
35.89003212158842, 20.951041115319356 37.1336604327484, 19.70741280415938
38.649025914417855, 18.783313602071964 40.377893920962975, 18.214256123152527
42.25382502445259, 18.02210892718483 44.204728244613875, 18.214256123152527
46.15563146477516, 18.783313602071964 48.031562568264775, 19.707412804159375
49.760430574809895, 20.951041115319356 51.27579605647935, 22.46640659698881
52.51942436763933, 24.195274603533928 53.443523569726736, 26.071205707023545
54.012581048646176, 28.022108927184828 54.204728244613875, 29.973012147346115
54.01258104864618, 31.84894325083573 53.44352356972674, 33.57781125738085
52.51942436763933, 35.09317673905031 51.27579605647935, 36.33680505021029
49.760430574809895, 37.26090425229769 48.03156256826478, 37.82996173121713
46.15563146477516, 38.02210892718483 44.204728244613875))"
...
```

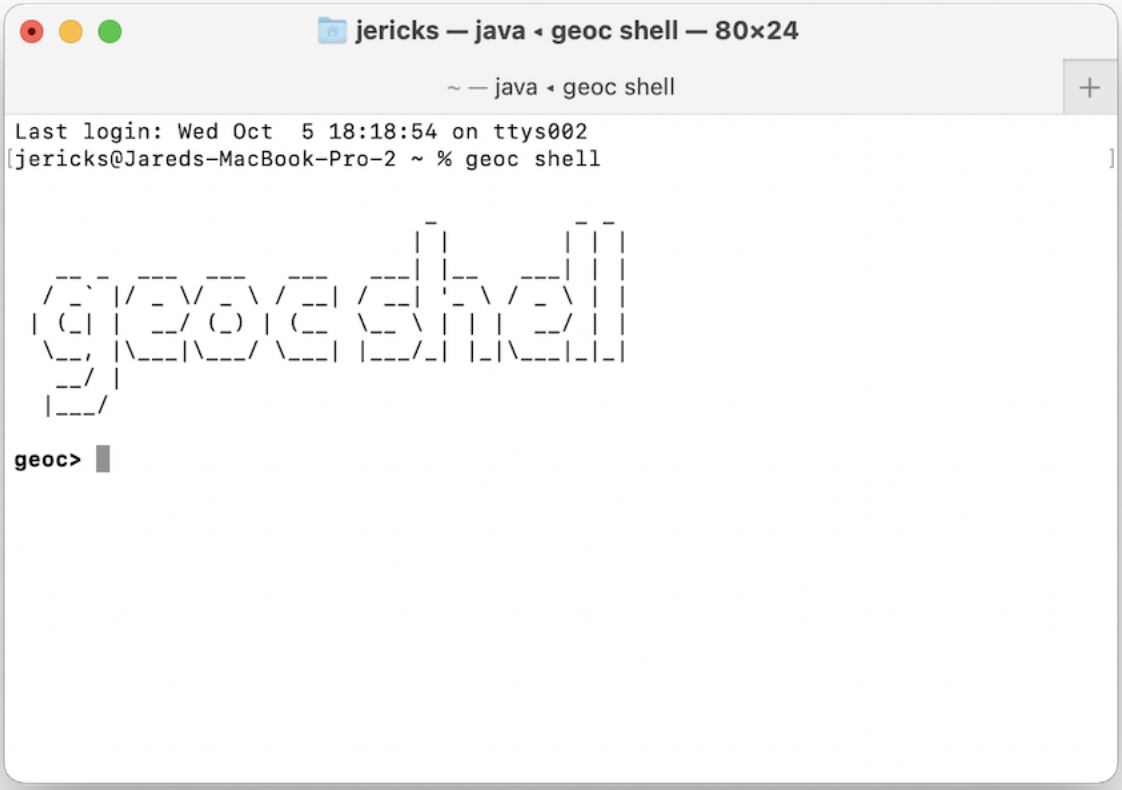


Shell

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
```

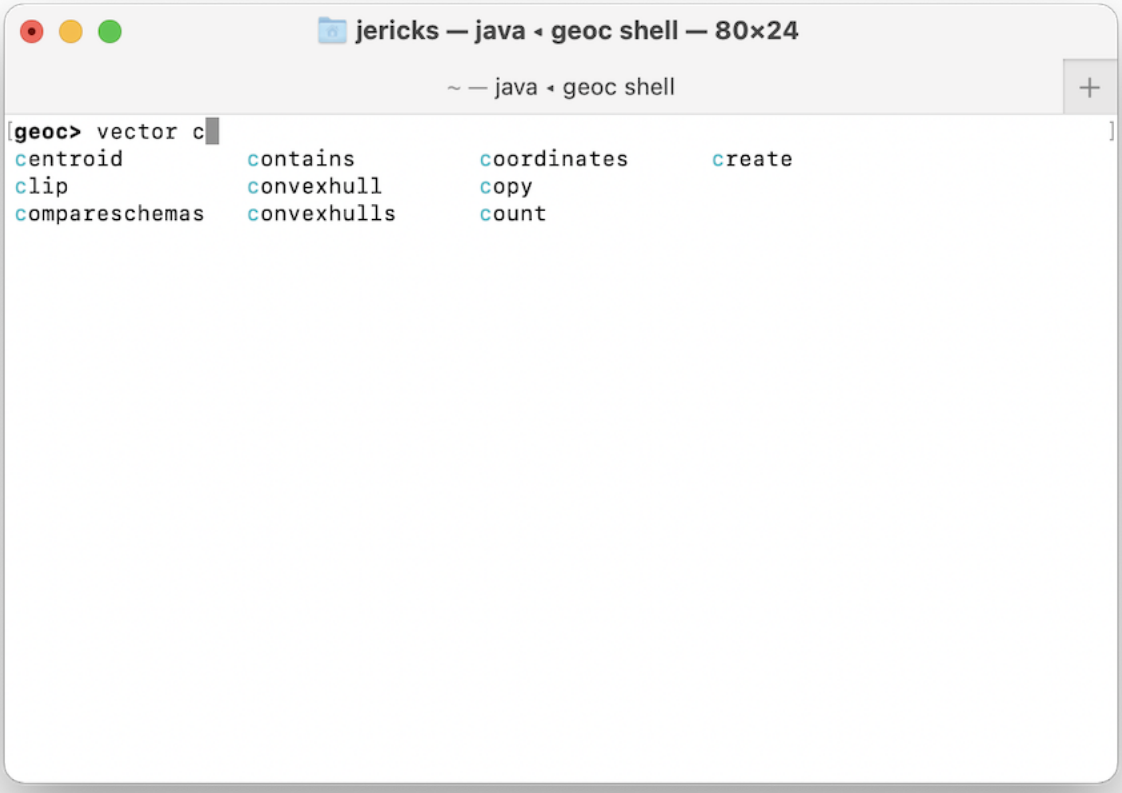


You can now type commands in the interactive shell.

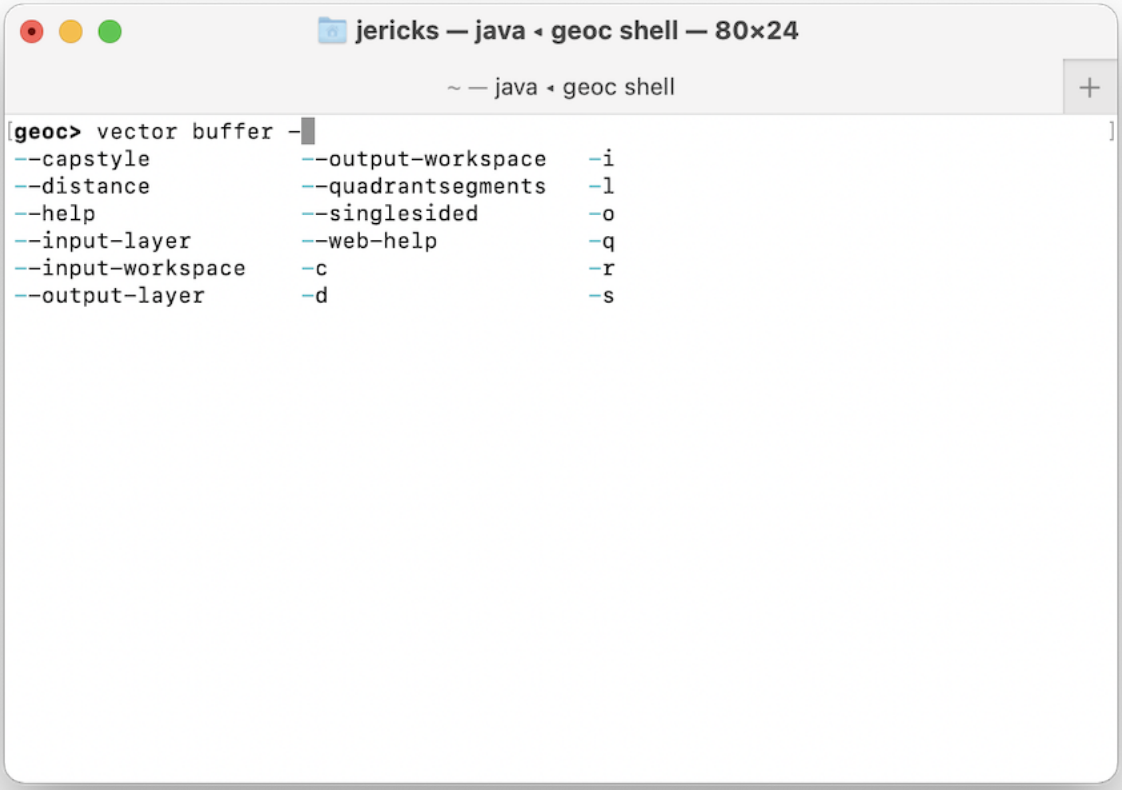
If you hit the **tab** key you can get command line completion.

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