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)
```

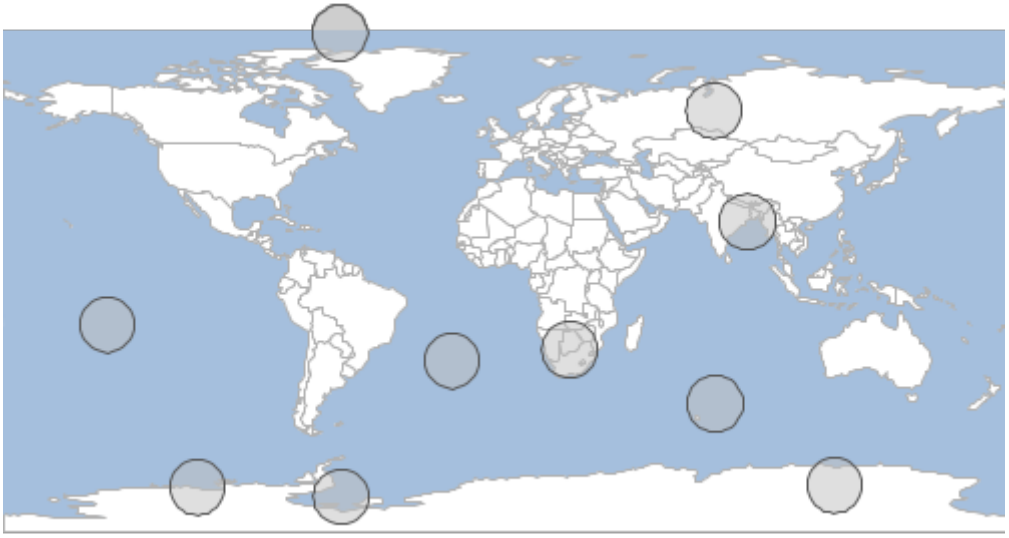
Pipe

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 ((-48.940605639660774 88.86919423917283, -49.132752835628466
86.91829101901155, -49.701810314547906 85.04235991552193, -50.62590951663532
83.3134919089768, -51.8695378277953 81.79812642730735, -53.384903309464754
80.55449811614737, -55.113771316009874 79.63039891405995, -56.989702419499494
79.06134143514052, -58.940605639660774 78.86919423917283, -60.89150885982205
79.06134143514052, -62.76743996331167 79.63039891405995, -64.49630796985679
80.55449811614737, -66.01167345152625 81.79812642730735, -67.25530176268623
83.3134919089768, -68.17940096477363 85.04235991552193, -68.74845844369308
86.91829101901155, -68.94060563966077 88.86919423917283, -68.74845844369308
90.82009745933411, -68.17940096477363 92.69602856282373, -67.25530176268623
94.42489656936885, -66.01167345152625 95.9402620510383, -64.4963079698568
97.18389036219828, -62.76743996331167 98.10798956428569, -60.89150885982206
98.67704704320514, -58.940605639660774 98.86919423917283, -56.989702419499494
98.67704704320514, -55.113771316009874 98.10798956428569, -53.384903309464754
97.18389036219828, -51.8695378277953 95.9402620510383, -50.62590951663532
94.42489656936885, -49.70181031454791 92.69602856282373, -49.13275283562847
90.82009745933412, -48.940605639660774 88.86919423917283))"
...
```

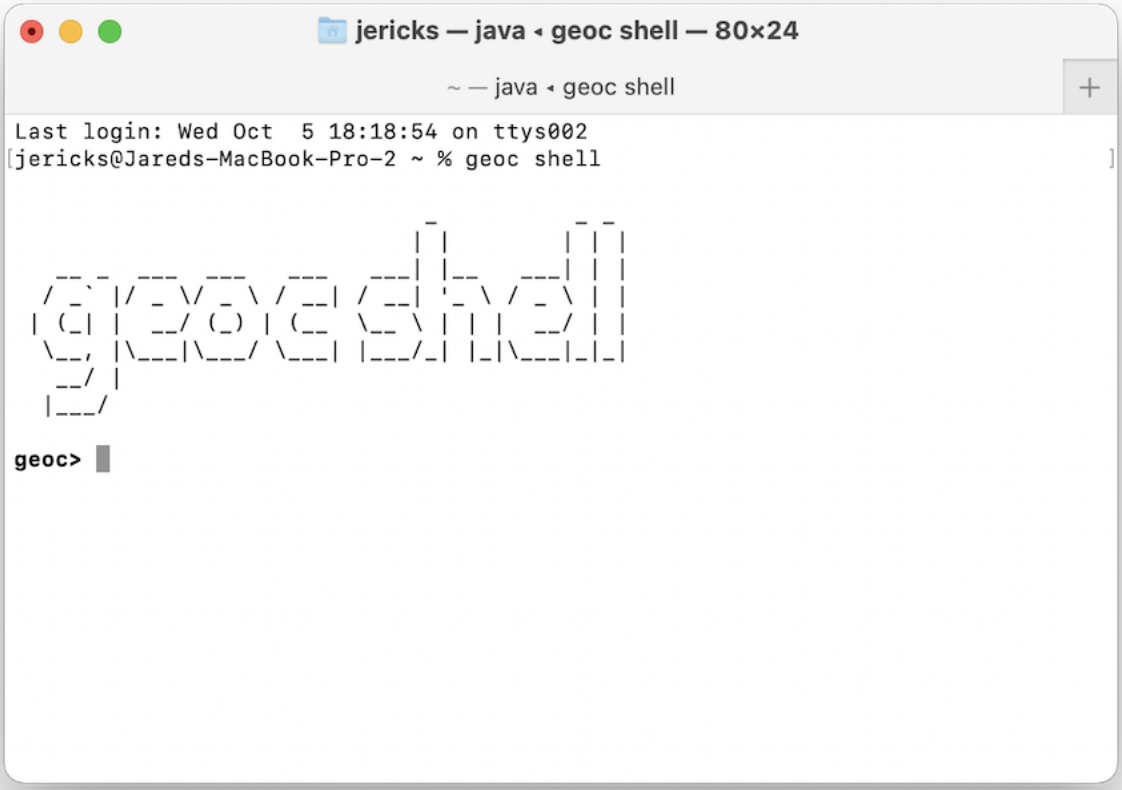


Shell

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
```

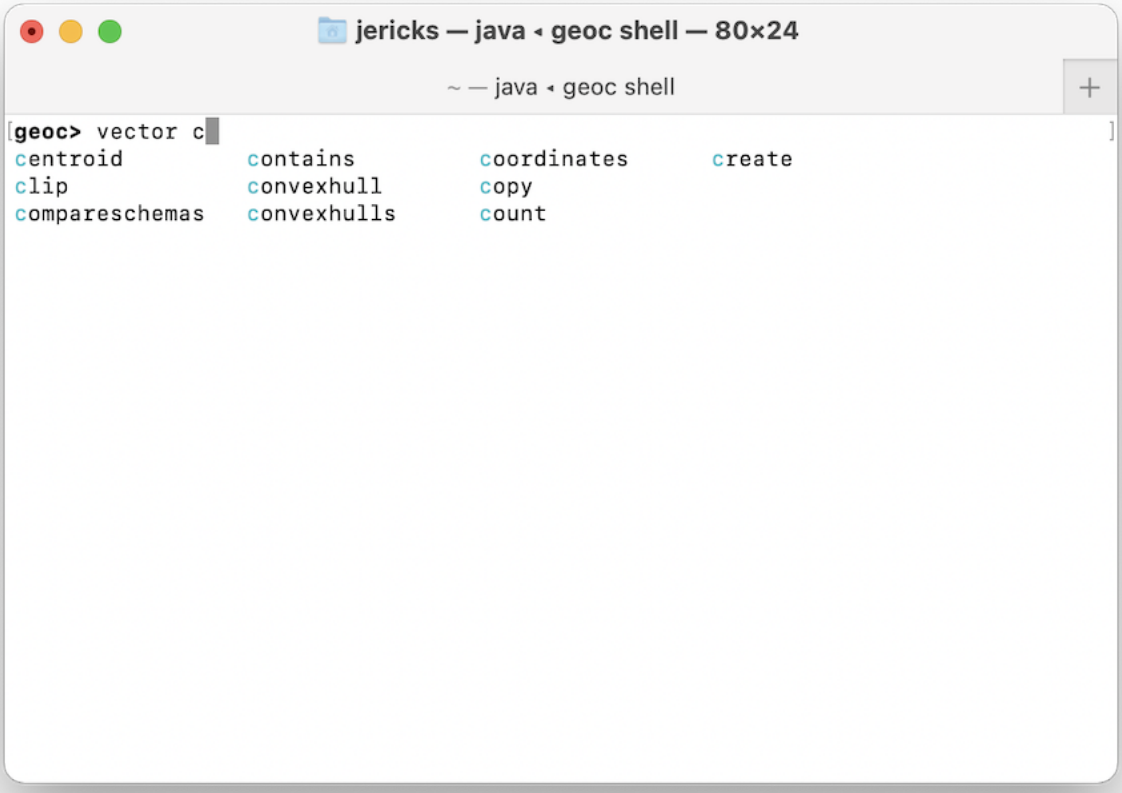


You can now type commands in the interactive shell.

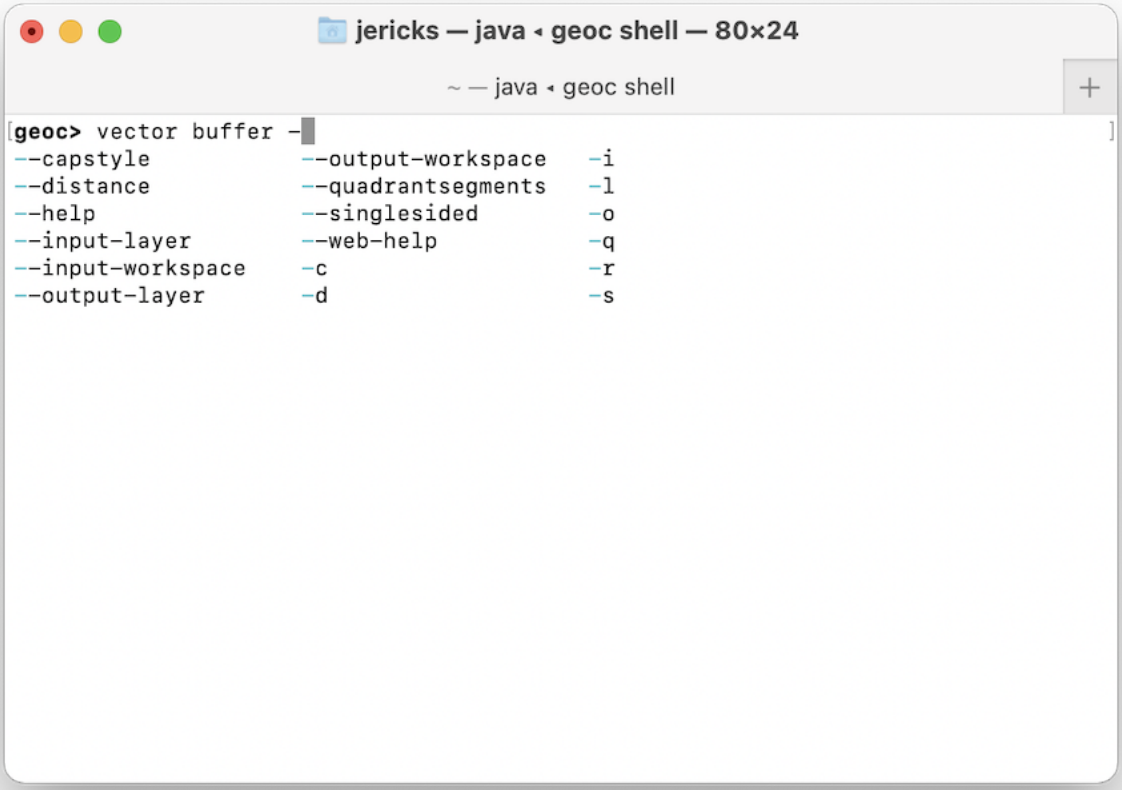
If you hit the **tab** key you can get command line completion.

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