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
```

```
0.21.0
```

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)
```

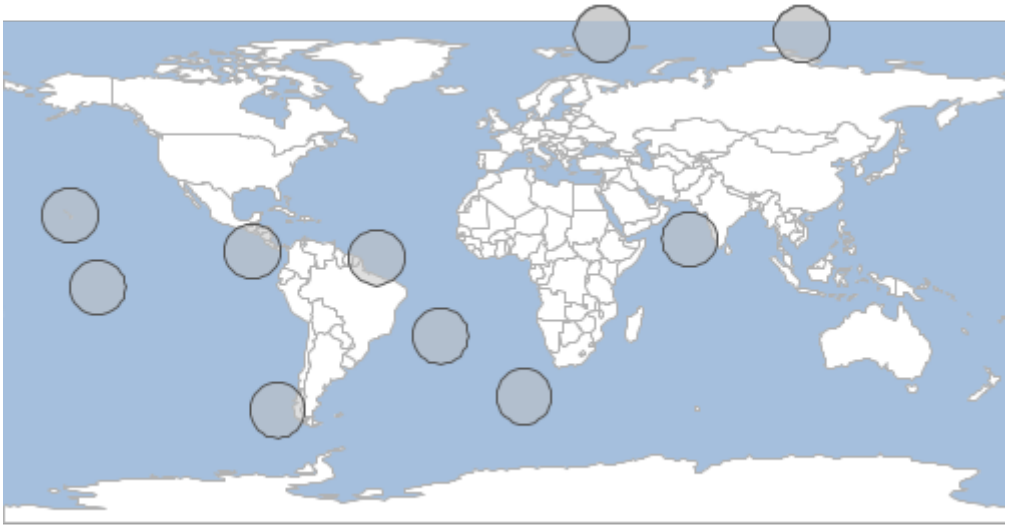
Pipe

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 ((-12.82025490107631 -23.17392133318768, -13.012402097044006
-25.12482455334896, -13.581459575963443 -27.000755656838578, -14.505558778050858
-28.7296236633837, -15.749187089210835 -30.244989145053154, -17.264552570880287
-31.48861745621313, -18.99342057742541 -32.412716658300546, -20.869351680915027
-32.981774137219986, -22.82025490107631 -33.17392133318768, -24.771158121237594
-32.981774137219986, -26.647089224727207 -32.412716658300546, -28.37595723127233
-31.488617456213134, -29.891322712941786 -30.244989145053154, -31.134951024101763
-28.7296236633837, -32.05905022618918 -27.000755656838578, -32.62810770510862
-25.124824553348965, -32.82025490107631 -23.17392133318768, -32.62810770510862
-21.223018113026395, -32.05905022618918 -19.347087009536782, -31.134951024101767
-17.61821900299166, -29.891322712941786 -16.102853521322203, -28.37595723127233
-14.859225210162226, -26.647089224727214 -13.935126008074814, -24.771158121237598
-13.366068529155376, -22.820254901076314 -13.173921333187678, -20.869351680915027
-13.366068529155374, -18.99342057742541 -13.935126008074812, -17.26455257088029
-14.859225210162224, -15.749187089210837 -16.102853521322203, -14.505558778050858
-17.61821900299166, -13.581459575963446 -19.347087009536775, -13.012402097044008
-21.22301811302639, -12.82025490107631 -23.17392133318768))"
...
```

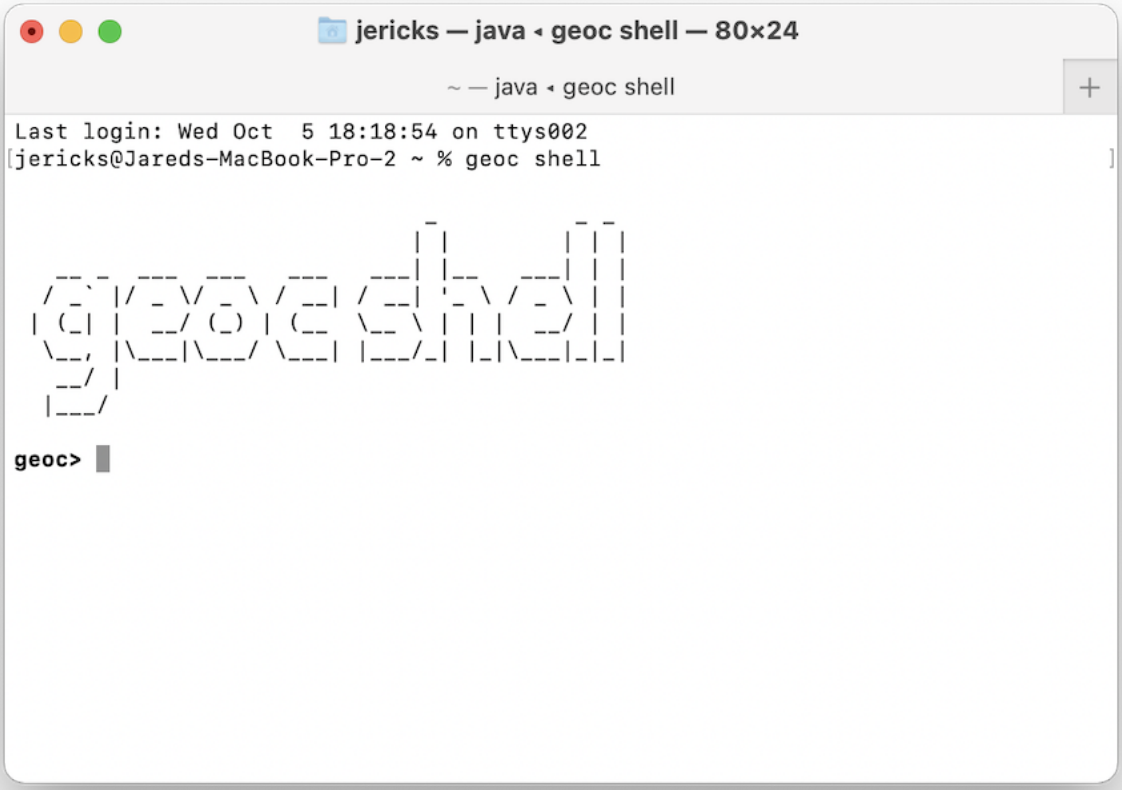


Shell

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
```

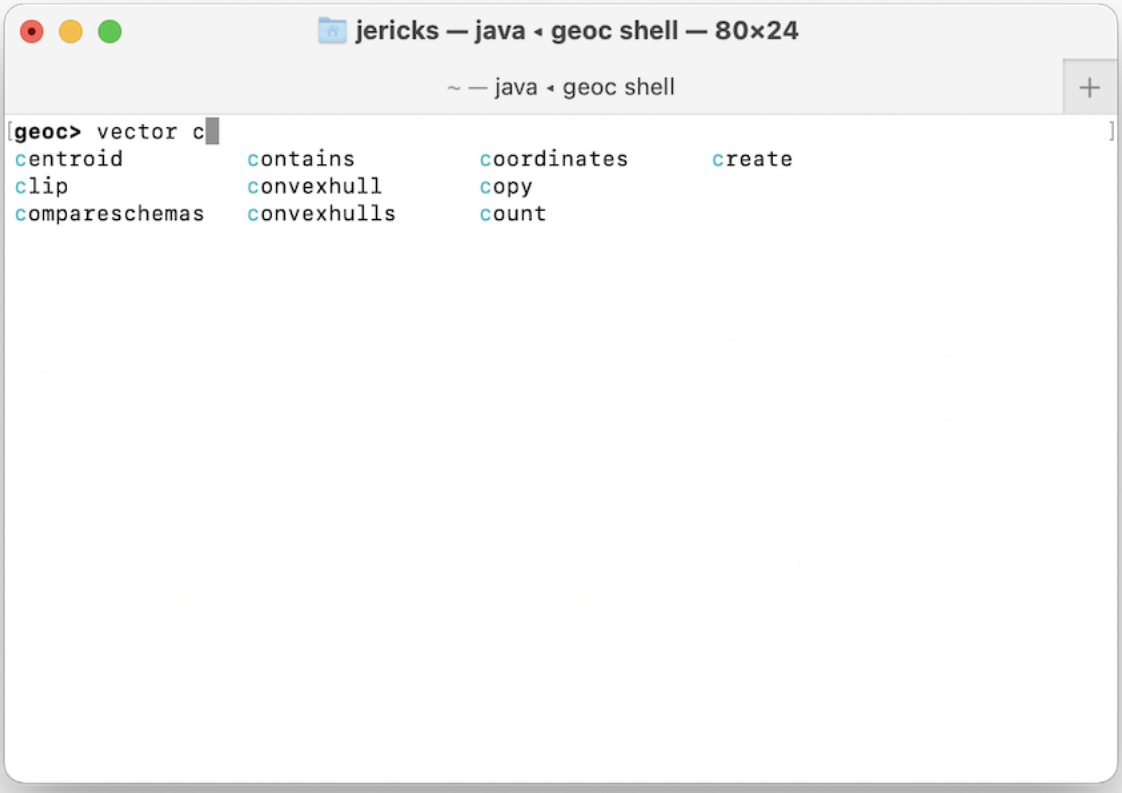


You can now type commands in the interactive shell.

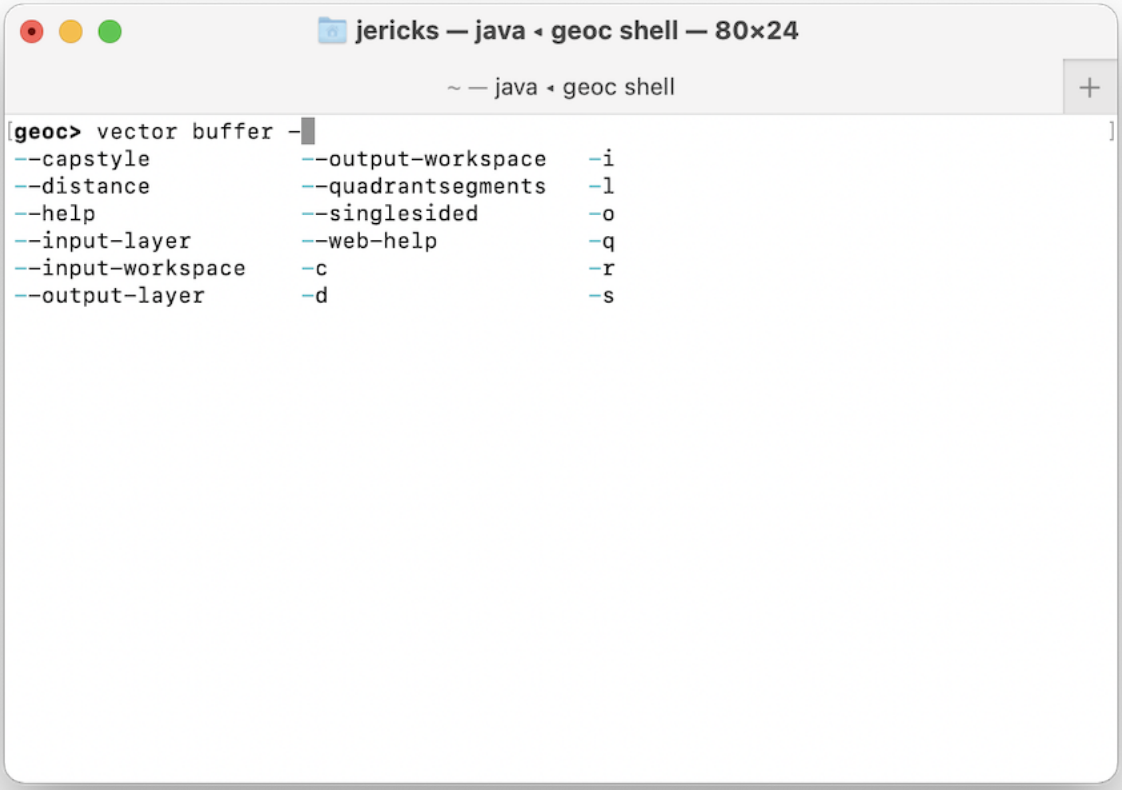
If you hit the **tab** key you can get command line completion.

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