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)
```

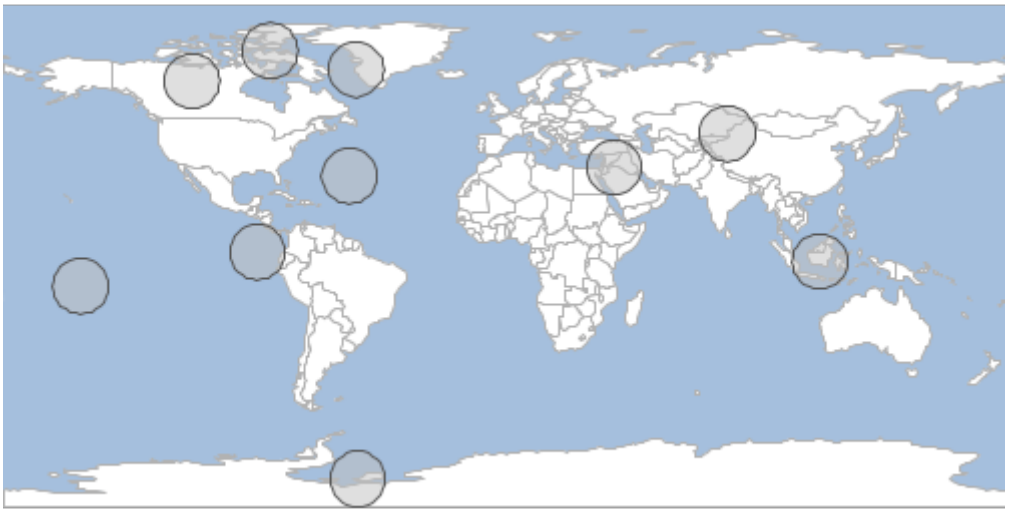
Pipe

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 ((-78.56490554369813 1.1727363275629017, -78.75705273966582
-0.7781668925983807, -79.32611021858526 -2.6540979960879962, -80.25020942067268
-4.38296600263312, -81.49383773183266 -5.898331484302573, -83.0092032135021
-7.141959795462551, -84.73807122004723 -8.066058997549966, -86.61400232353685
-8.635116476469403, -88.56490554369813 -8.827263672437098, -90.51580876385941
-8.635116476469403, -92.39173986734903 -8.066058997549966, -94.12060787389416
-7.141959795462553, -95.6359733555636 -5.898331484302574, -96.87960166672359
-4.38296600263312, -97.803700868811 -2.654097996087997, -98.37275834773044
-0.7781668925983845, -98.56490554369813 1.1727363275629004, -98.37275834773044
3.1236395477241854, -97.803700868811 4.999570651213798, -96.87960166672359
6.728438657758922, -95.6359733555636 8.243804139428377, -94.12060787389416
9.487432450588354, -92.39173986734903 10.411531652675766, -90.51580876385941
10.980589131595204, -88.56490554369813 11.172736327562902, -86.61400232353685
10.980589131595206, -84.73807122004723 10.411531652675768, -83.00920321350212
9.487432450588356, -81.49383773183266 8.243804139428379, -80.25020942067268
6.7284386577589235, -79.32611021858527 4.999570651213806, -78.75705273966582
3.123639547724189, -78.56490554369813 1.1727363275629017))"
...
```

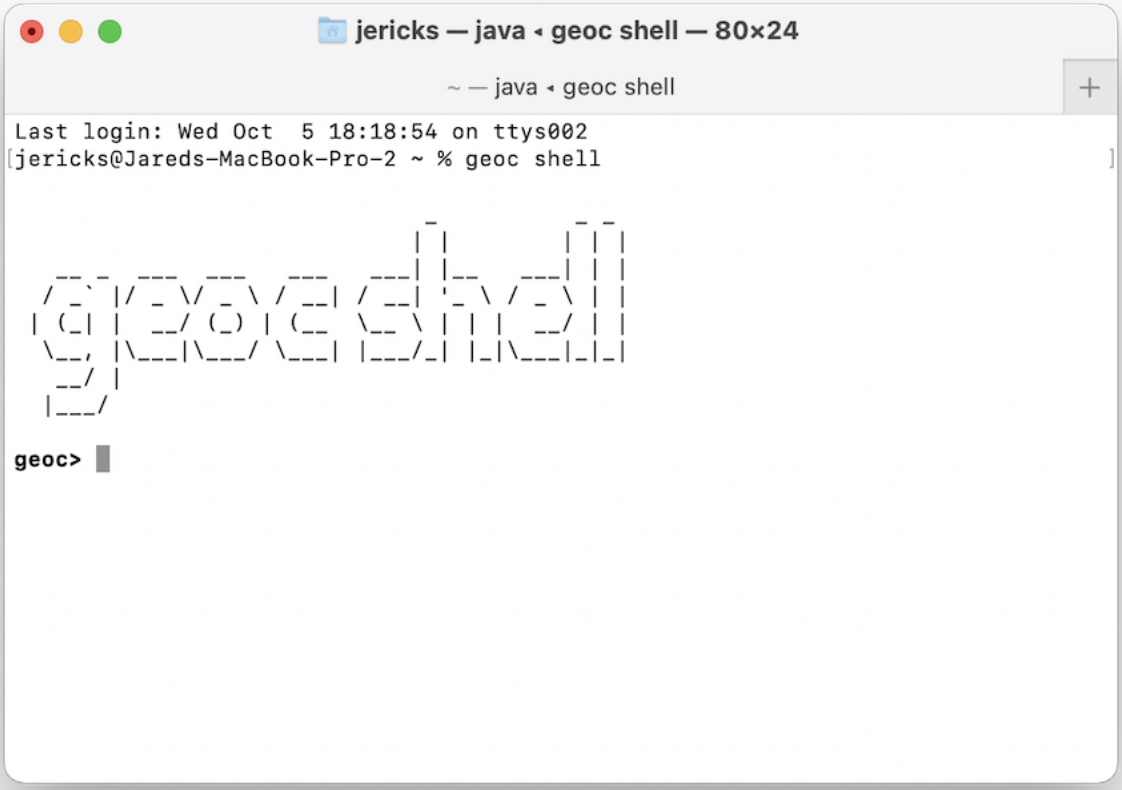


Shell

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
```

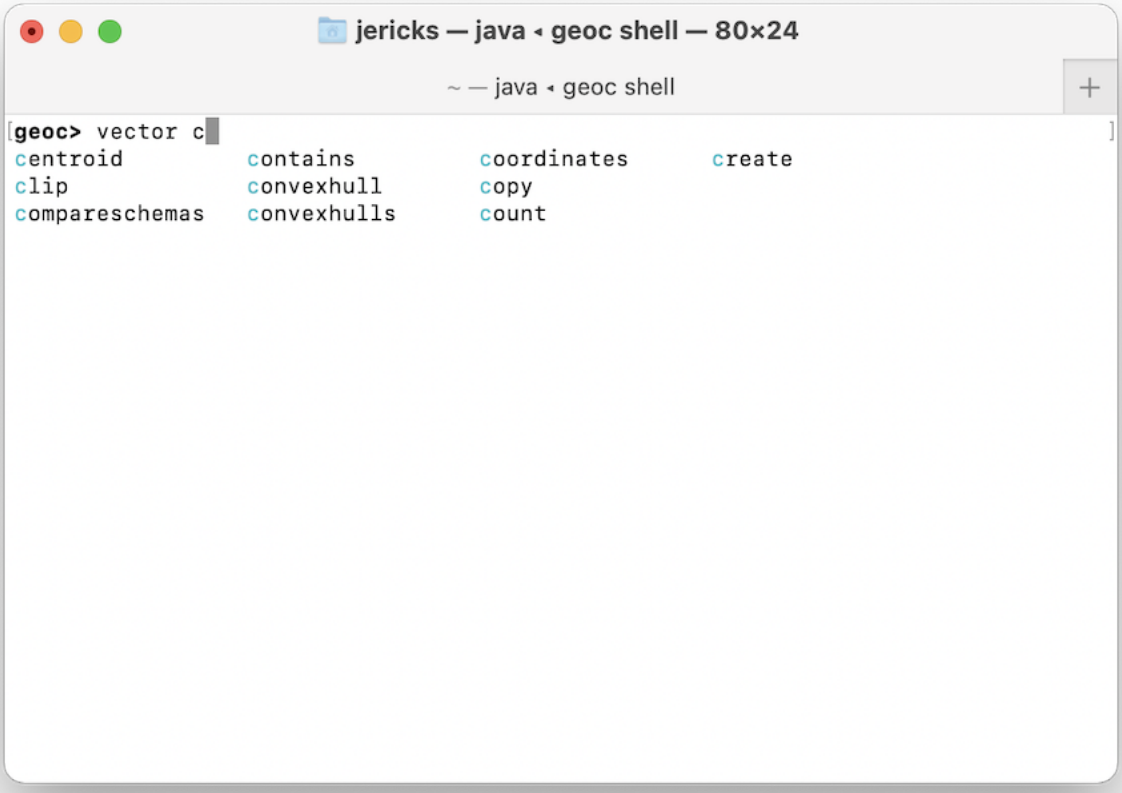


You can now type commands in the interactive shell.

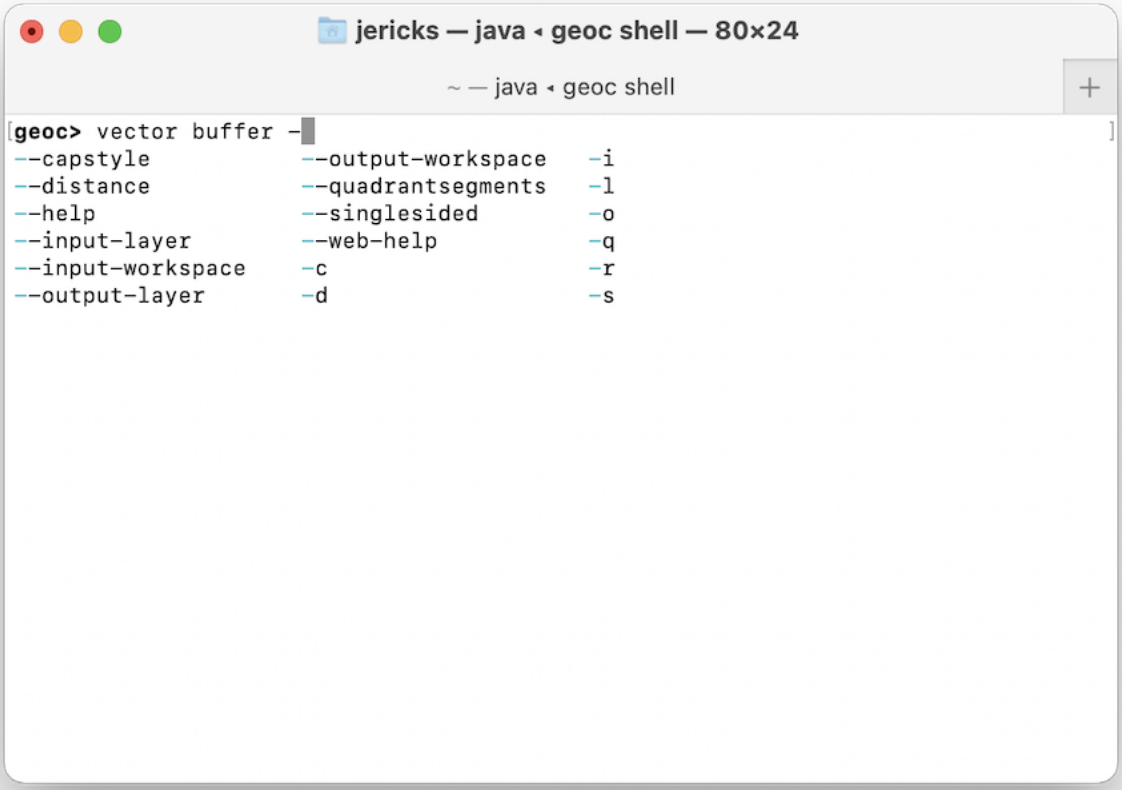
If you hit the **tab** key you can get command line completion.

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