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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)
```

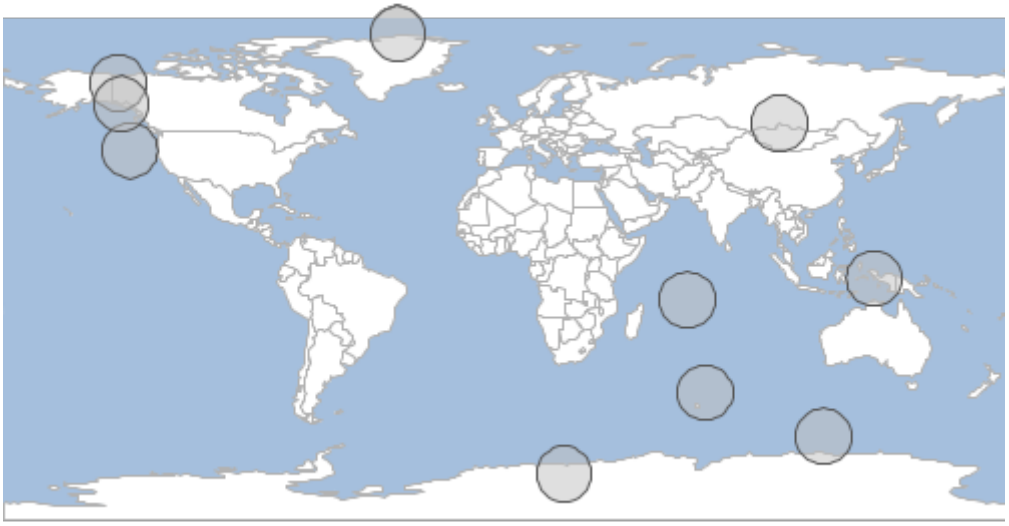
Pipe

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 ((82.27634666475177 -44.6043143267146, 82.08419946878408
-46.55521754687588, 81.51514198986465 -48.4311486503655, 80.59104278777723
-50.16001665691062, 79.34741447661725 -51.675382138580076, 77.8320489949478
-52.91901044974006, 76.10318098840267 -53.84310965182747, 74.22724988491305
-54.41216713074691, 72.27634666475177 -54.6043143267146, 70.32544344459049
-54.41216713074691, 68.44951234110087 -53.84310965182747, 66.72064433455574
-52.91901044974006, 65.2052788528863 -51.675382138580076, 63.961650541726314
-50.16001665691062, 63.0375513396389 -48.4311486503655, 62.46849386071946
-46.55521754687589, 62.27634666475177 -44.6043143267146, 62.46849386071946
-42.653411106553314, 63.0375513396389 -40.7774800030637, 63.961650541726314
-39.04861199651858, 65.2052788528863 -37.533246514849125, 66.72064433455574
-36.289618203689145, 68.44951234110087 -35.36551900160174, 70.32544344459049
-34.7964615226823, 72.27634666475177 -34.6043143267146, 74.22724988491305
-34.79646152268229, 76.10318098840267 -35.36551900160173, 77.83204899494778
-36.289618203689145, 79.34741447661725 -37.533246514849125, 80.59104278777723
-39.04861199651858, 81.51514198986463 -40.777480003063694, 82.08419946878408
-42.653411106553314, 82.27634666475177 -44.6043143267146))"
...
```

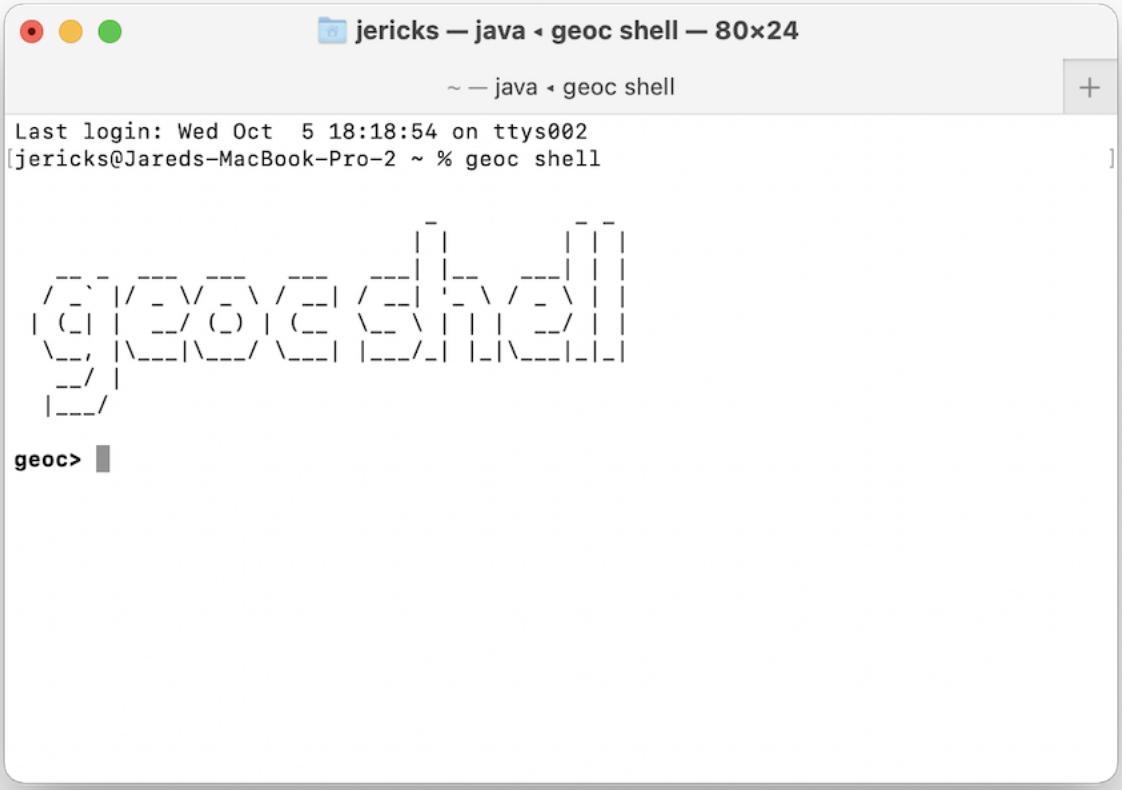


Shell

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
```

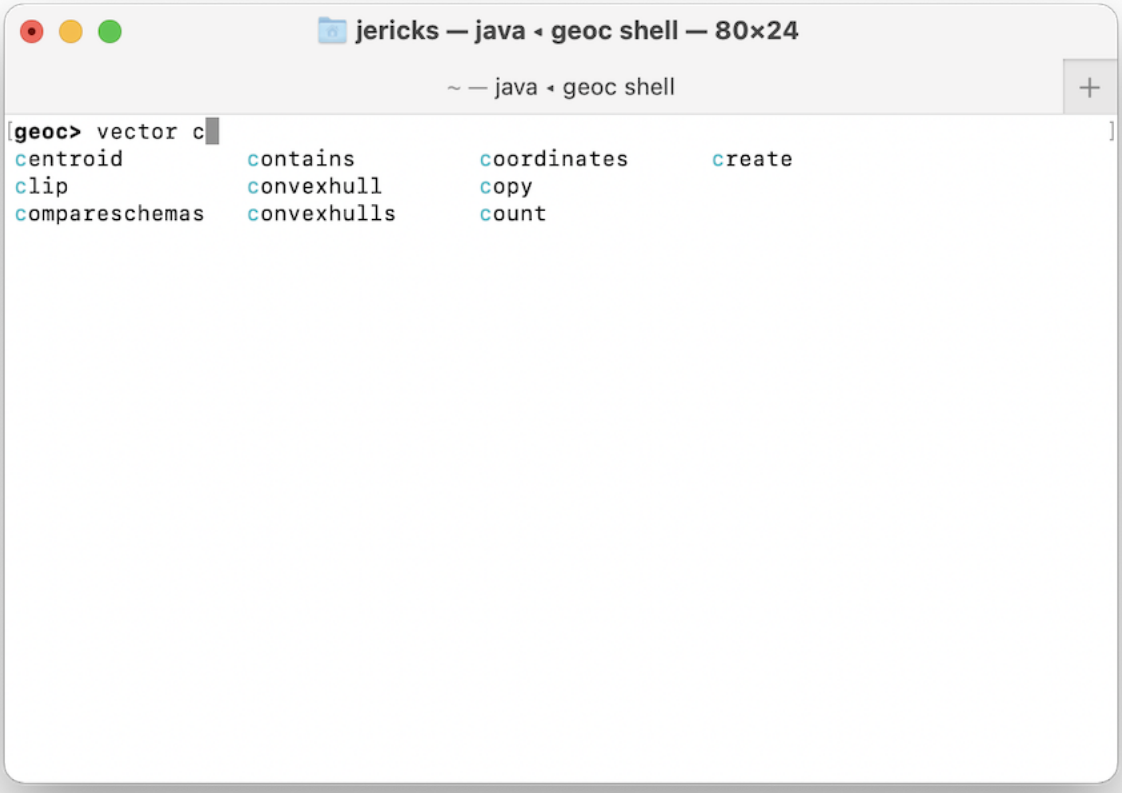


You can now type commands in the interactive shell.

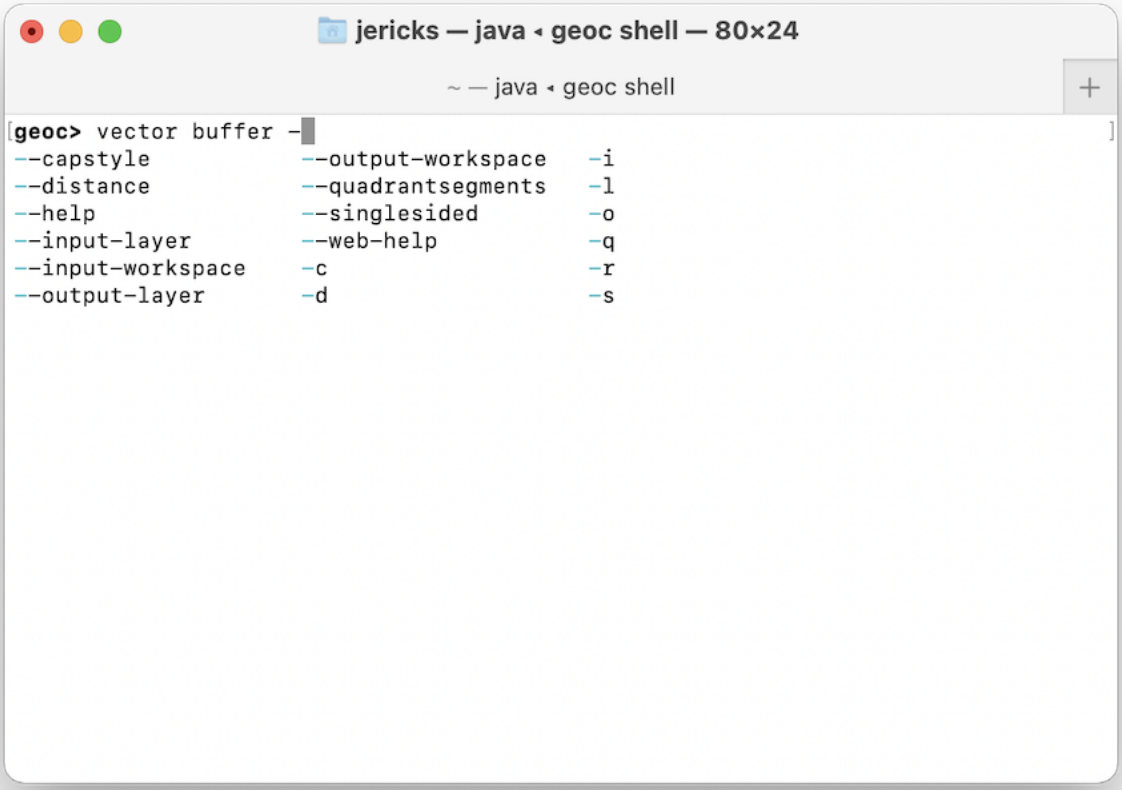
If you hit the **tab** key you can get command line completion.

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