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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)
```

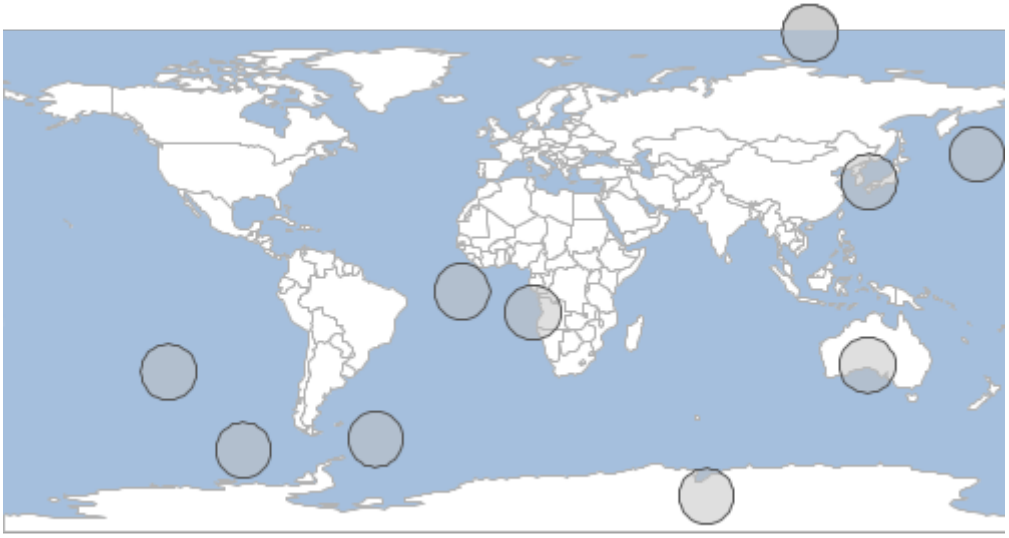
Pipe

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 ((20.45284576175473 -11.577825989842367, 20.260698565787035
-13.52872921000365, 19.691641086867598 -15.404660313493265, 18.767541884780183
-17.133528320038387, 17.523913573620206 -18.648893801707842, 16.008548091950754
-19.89252211286782, 14.279680085405628 -20.816621314955235, 12.403748981916014
-21.38567879387467, 10.45284576175473 -21.577825989842367, 8.501942541593449
-21.38567879387467, 6.626011438103833 -20.816621314955235, 4.89714343155871
-19.892522112867823, 3.3817779498892557 -18.648893801707842, 2.1381496387292778
-17.133528320038387, 1.2140504366418625 -15.404660313493267, 0.644992957722426
-13.528729210003654, 0.4528457617547303 -11.577825989842369, 0.644992957722426
-9.626922769681084, 1.2140504366418625 -7.750991666191471, 2.138149638729276
-6.022123659646347, 3.381777949889253 -4.506758177976892, 4.897143431558709
-3.2631298668169144, 6.626011438103827 -2.3390306647295027, 8.501942541593444
-1.7699731858100645, 10.452845761754729 -1.577825989842367, 12.403748981916014
-1.7699731858100627, 14.27968008540563 -2.339030664729501, 16.00854809195075
-3.2631298668169126, 17.523913573620206 -4.50675817797689, 18.767541884780183
-6.022123659646345, 19.691641086867595 -7.750991666191463, 20.26069856578703
-9.62692276968108, 20.45284576175473 -11.577825989842367))"
...
```

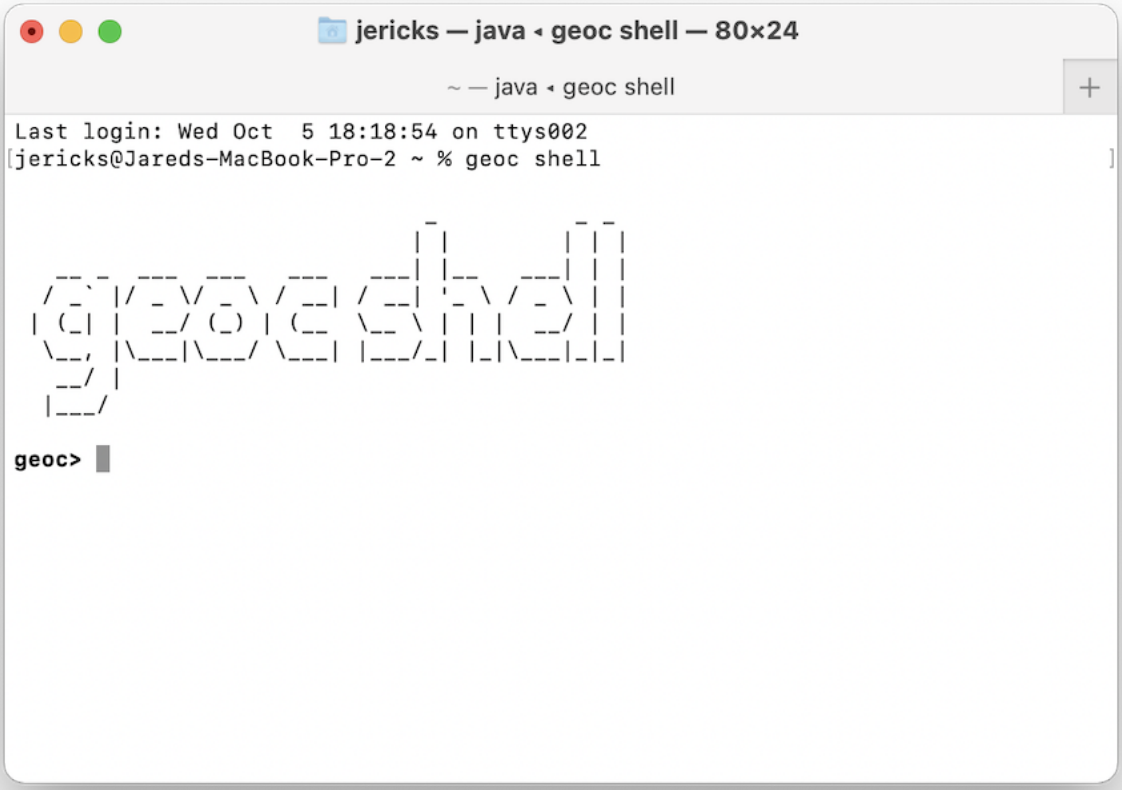


Shell

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
```

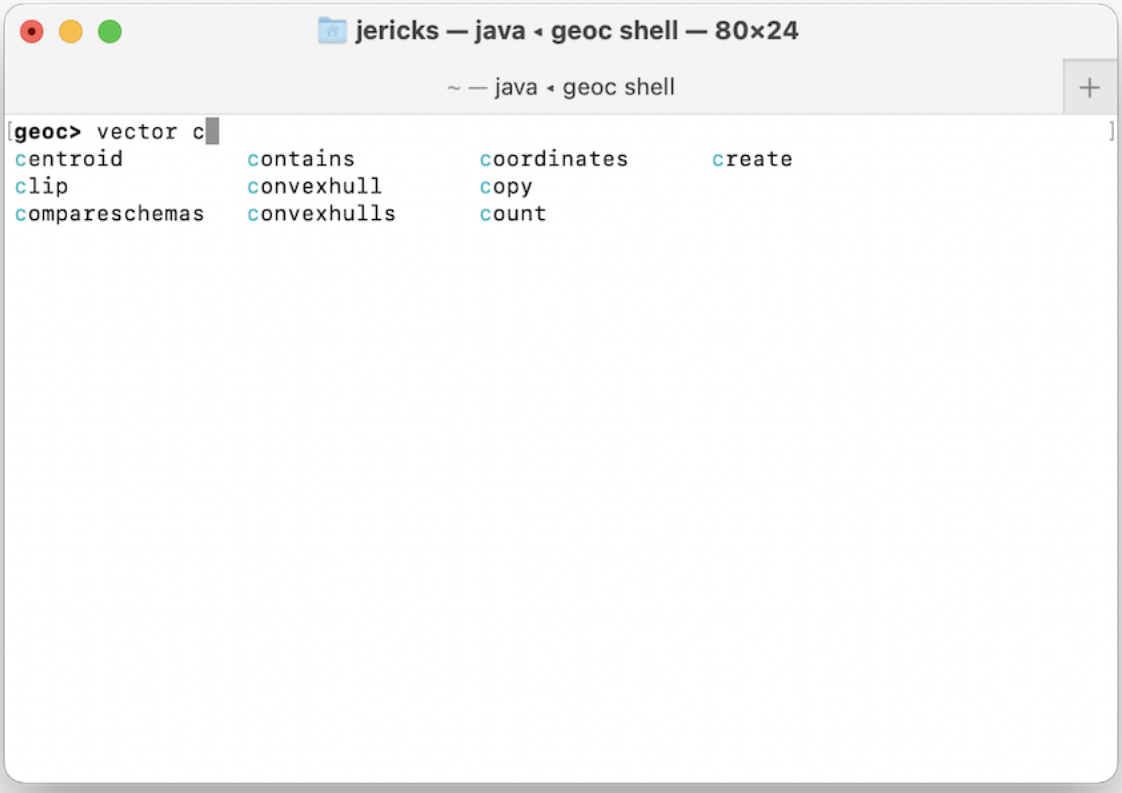


You can now type commands in the interactive shell.

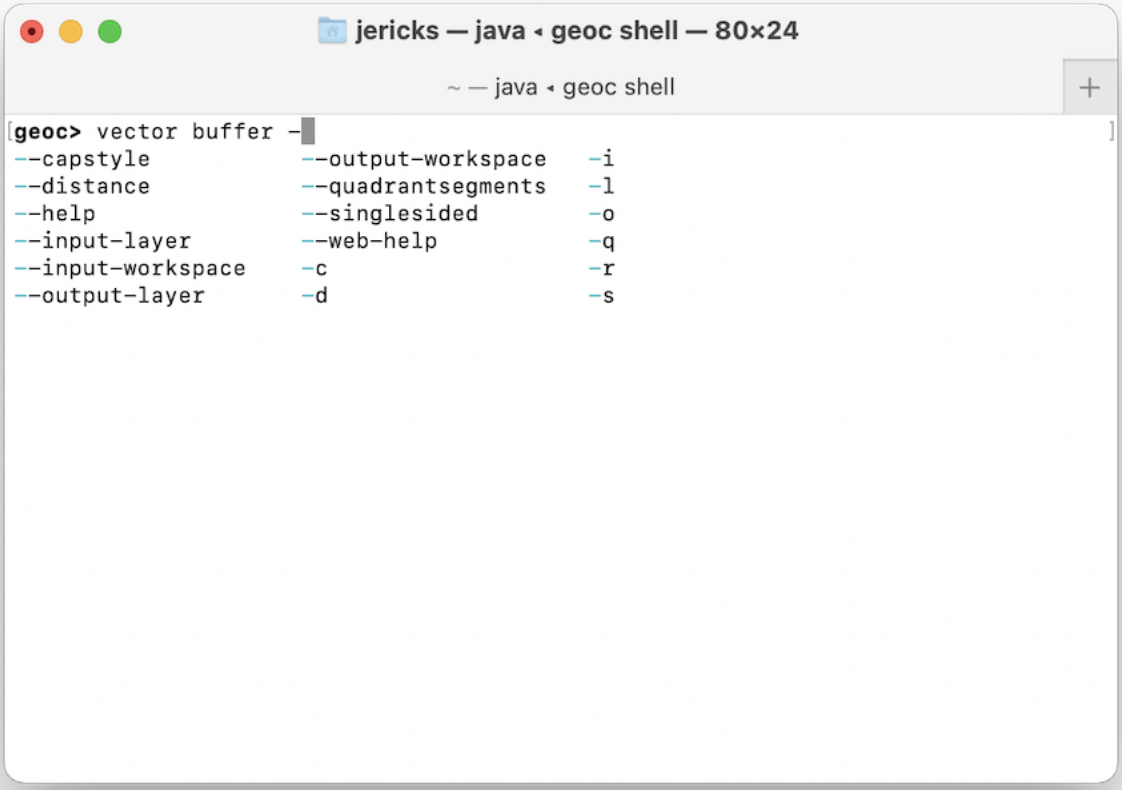
If you hit the **tab** key you can get command line completion.

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