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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
```

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)
```

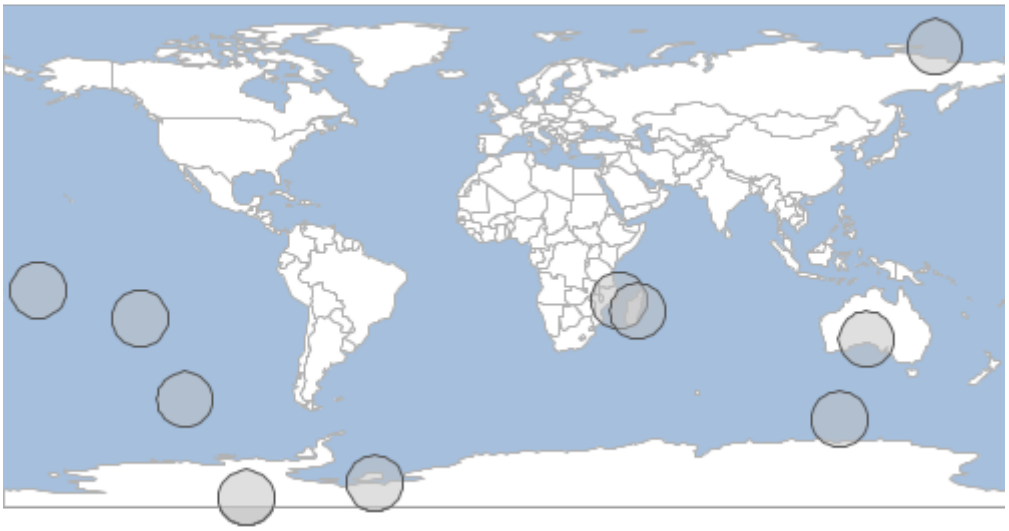
Pipe

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 ((-36.352571822125725 -81.81362057206512, -36.54471901809342
-83.7645237922264, -37.11377649701286 -85.64045489571602, -38.03787569910027
-87.36932290226115, -39.28150401026025 -88.8846883839306, -40.796869491929705
-90.12831669509058, -42.525737498474825 -91.05241589717798, -44.401668601964445
-91.62147337609743, -46.352571822125725 -91.81362057206512, -48.303475042287005
-91.62147337609743, -50.179406145776625 -91.05241589717798, -51.908274152321745
-90.12831669509058, -53.4236396339912 -88.8846883839306, -54.66726794515118
-87.36932290226115, -55.59136714723859 -85.64045489571602, -56.16042462615803
-83.7645237922264, -56.352571822125725 -81.81362057206512, -56.16042462615803
-79.86271735190384, -55.59136714723859 -77.98678624841422, -54.66726794515118
-76.2579182418691, -53.4236396339912 -74.74255276019964, -51.908274152321745
-73.49892444903966, -50.179406145776625 -72.57482524695226, -48.30347504228701
-72.00576776803281, -46.352571822125725 -71.81362057206512, -44.401668601964445
-72.00576776803281, -42.525737498474825 -72.57482524695226, -40.796869491929705
-73.49892444903966, -39.28150401026025 -74.74255276019964, -38.03787569910027
-76.25791824186909, -37.113776497012864 -77.98678624841422, -36.544719018093424
-79.86271735190383, -36.352571822125725 -81.81362057206512))"
...
```

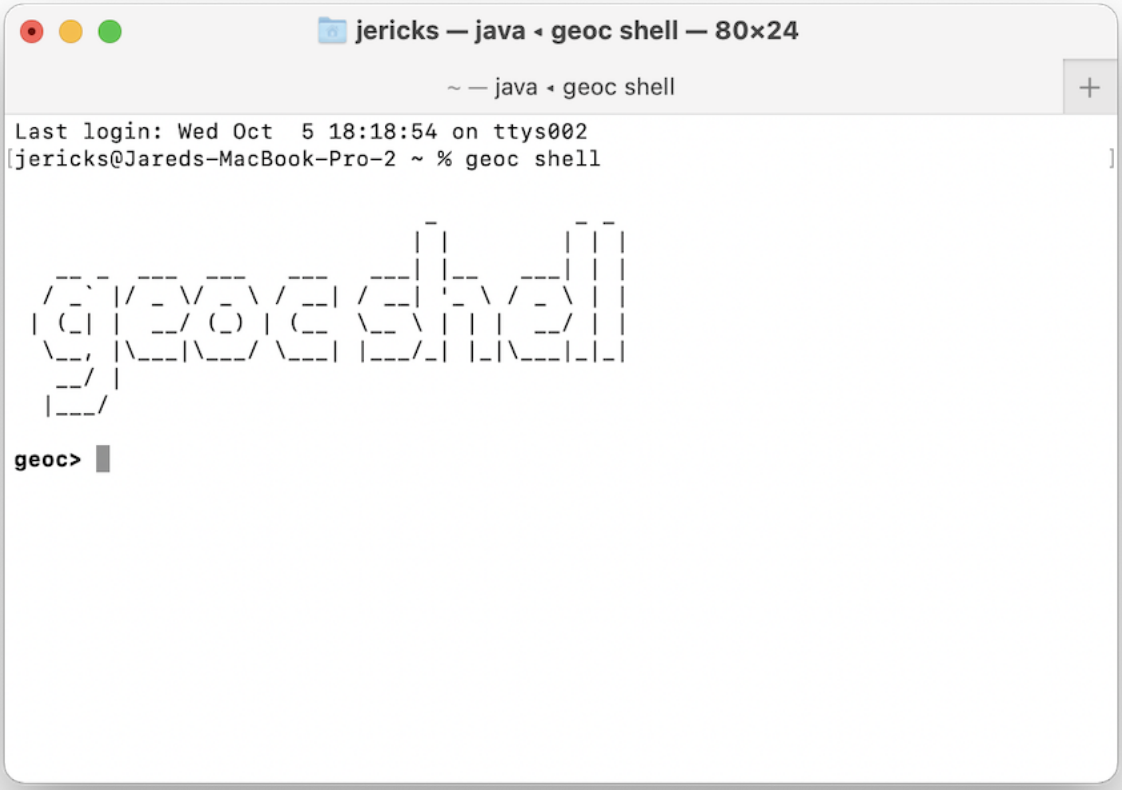


Shell

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
```

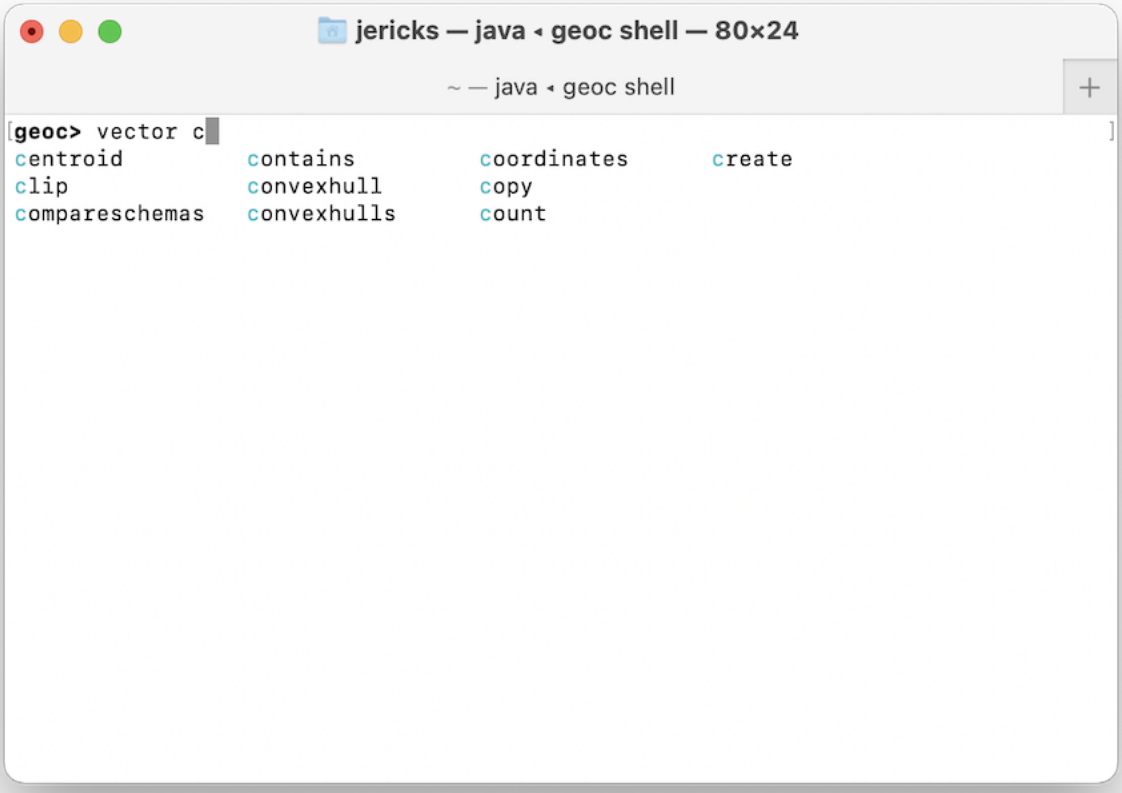


You can now type commands in the interactive shell.

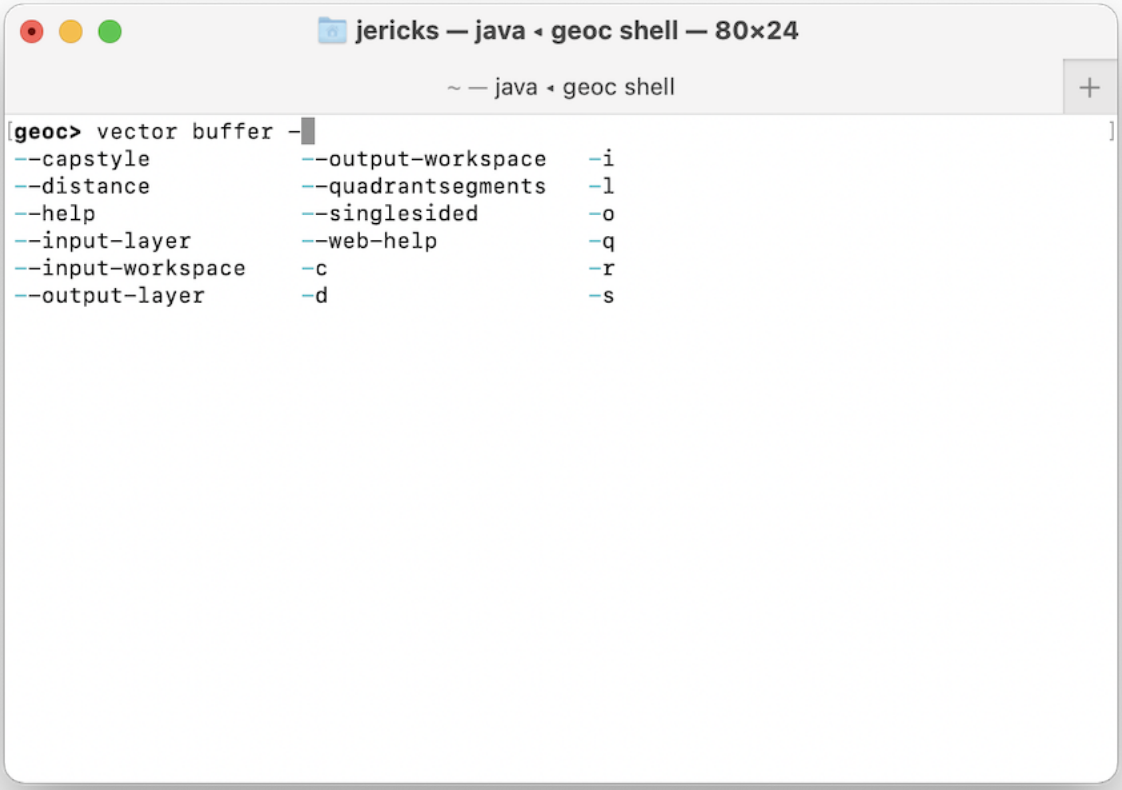
If you hit the **tab** key you can get command line completion.

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