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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

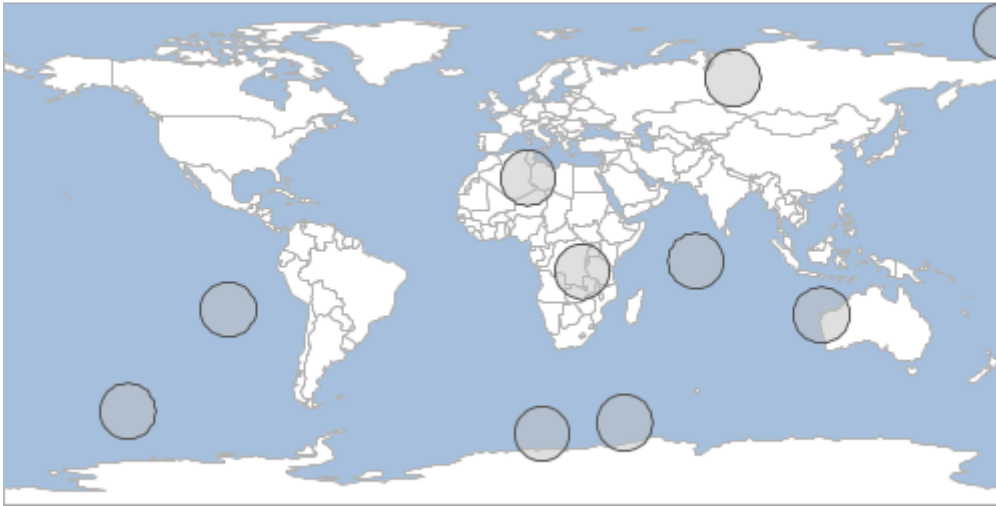
Combine multiple commands together with a pipe.

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 ((18.62693613609912 27.130152830768452, 18.434788940131423
25.17924961060717, 17.865731461211986 23.303318507117552, 16.94163225912457
21.574450500572432, 15.698003947964594 20.059085018902977, 14.182638466295142
18.815456707743, 12.453770459750016 17.891357505655584, 10.577839356260402
17.322300026736148, 8.626936136099118 17.130152830768452, 6.676032915937837
17.322300026736148, 4.800101812448221 17.891357505655584, 3.0712338059030984
18.815456707742996, 1.5558683242336437 20.059085018902977, 0.3122400130736658
21.574450500572432, -0.6118591890137495 23.303318507117552, -1.180916667933186
25.179249610607165, -1.3730638639008816 27.130152830768452, -1.180916667933186
29.081056050929735, -0.6118591890137495 30.95698715441935, 0.312240013073664
32.68585516096447, 1.555868324233641 34.20122064263393, 3.0712338059030966
35.44484895379391, 4.800101812448215 36.36894815588131, 6.6760329159378315
36.93800563480075, 8.626936136099117 37.13015283076845, 10.577839356260402
36.93800563480076, 12.453770459750018 36.36894815588132, 14.182638466295137
35.44484895379391, 15.698003947964592 34.20122064263393, 16.94163225912457
32.68585516096447, 17.865731461211983 30.956987154419355, 18.43478894013142
29.08105605092974, 18.62693613609912 27.130152830768452)))"
```

...



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



```
jericks — java ◀ geoc shell — 80x24
~ — java ◀ geoc shell
Last login: Wed Oct 5 18:18:54 on ttys002
jericks@Jareds-MacBook-Pro-2 ~ % geoc shell

geoc

geoc> █
```

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.



```
jericks — java ◀ geoc shell — 80x24
~ — java ◀ geoc shell
Last login: Wed Oct 5 18:18:54 on ttys002
[jericks@Jareds-MacBook-Pro-2 ~ % geoc shell

geoc

geoc>
carto      geometry  map        proj        shell      tile        version
filter     list      pipe       raster      style      vector
```

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 — 80x24
~ — java ◀ geoc shell
geoc> vector buffer -
--capstyle          --output-workspace  -i
--distance          --quadrantsegments  -l
--help              --singlesided      -o
--input-layer       --web-help          -q
--input-workspace   -c                  -r
--output-layer      -d                  -s
```