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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)
```

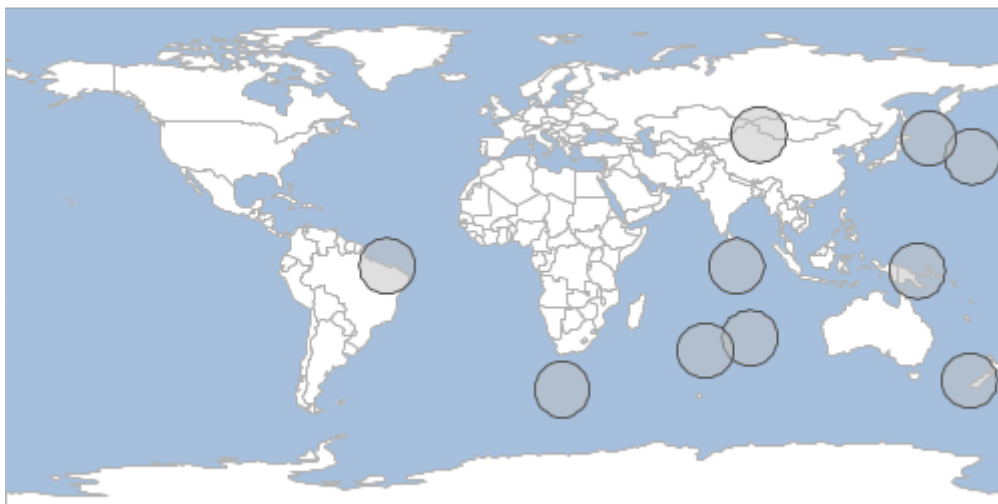
Pipe

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 ((97.67815679987893 -28.559258067907848, 97.48600960391124
-30.51016128806913, 96.91695212499181 -32.38609239155875, 95.99285292290439
-34.11496039810387, 94.74922461174441 -35.63032587977332, 93.23385913007496
-36.873954190933304, 91.50499112352983 -37.798053393020716, 89.62906002004021
-38.367110871940156, 87.67815679987893 -38.55925806790785, 85.72725357971765
-38.367110871940156, 83.85132247622803 -37.798053393020716, 82.1224544696829
-36.873954190933304, 80.60708898801346 -35.63032587977332, 79.36346067685348
-34.11496039810387, 78.43936147476606 -32.38609239155875, 77.87030399584663
-30.510161288069135, 77.67815679987893 -28.559258067907848, 77.87030399584663
-26.608354847746565, 78.43936147476606 -24.732423744256952, 79.36346067685348
-23.003555737711828, 80.60708898801346 -21.488190256042373, 82.1224544696829
-20.244561944882395, 83.85132247622803 -19.320462742794984, 85.72725357971765
-18.751405263875547, 87.67815679987893 -18.559258067907848, 89.62906002004021
-18.751405263875544, 91.50499112352983 -19.32046274279498, 93.23385913007495
-20.244561944882392, 94.74922461174441 -21.488190256042373, 95.99285292290439
-23.003555737711828, 96.9169521249918 -24.732423744256945, 97.48600960391124
-26.60835484774656, 97.67815679987893 -28.559258067907848)))"
...
```



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
```