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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)
```

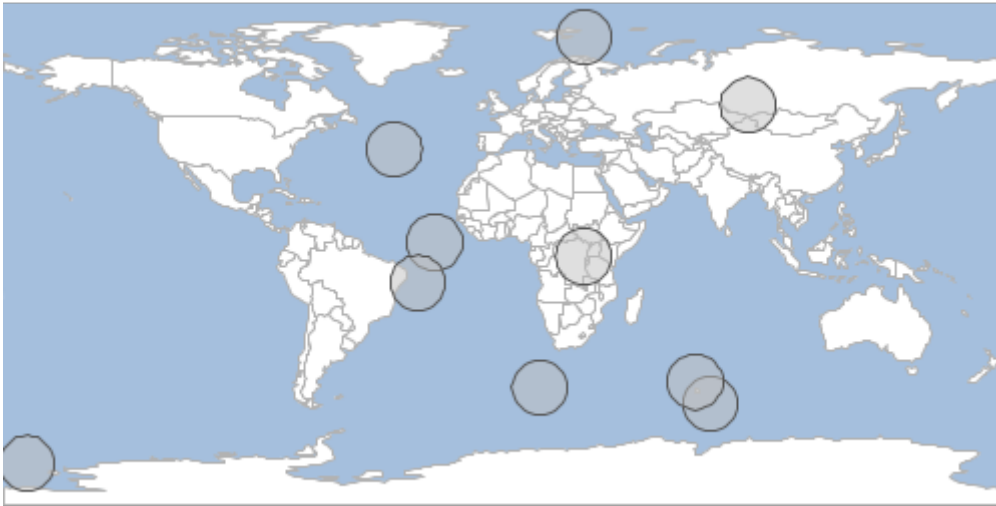
Pipe

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 ((22.854975794034658 -48.226181133872075, 22.662828598066962
-50.177084354033354, 22.093771119147526 -52.053015457522974, 21.16967191706011
-53.781883464068095, 19.926043605900134 -55.29724894573755, 18.41067812423068
-56.54087725689753, 16.681810117685558 -57.46497645898494, 14.805879014195941
-58.03403393790438, 12.854975794034658 -58.226181133872075, 10.904072573873377
-58.03403393790438, 9.028141470383762 -57.46497645898494, 7.299273463838638
-56.54087725689753, 5.7839079821691834 -55.29724894573755, 4.5402796710092055
-53.781883464068095, 3.6161804689217902 -52.053015457522974, 3.0471229900023538
-50.17708435403336, 2.854975794034658 -48.226181133872075, 3.0471229900023538
-46.27527791371079, 3.6161804689217902 -44.399346810221175, 4.540279671009204
-42.670478803676055, 5.783907982169181 -41.1551133220066, 7.299273463838636
-39.91148501084662, 9.028141470383755 -38.987385808759214, 10.904072573873371
-38.418328329839774, 12.854975794034656 -38.226181133872075, 14.805879014195941
-38.41832832983977, 16.681810117685558 -38.98738580875921, 18.410678124230678
-39.91148501084662, 19.926043605900134 -41.1551133220066, 21.16967191706011
-42.670478803676055, 22.093771119147522 -44.39934681022117, 22.66282859806696
-46.27527791371079, 22.854975794034658 -48.226181133872075)))"
...
```



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
```