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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)
```

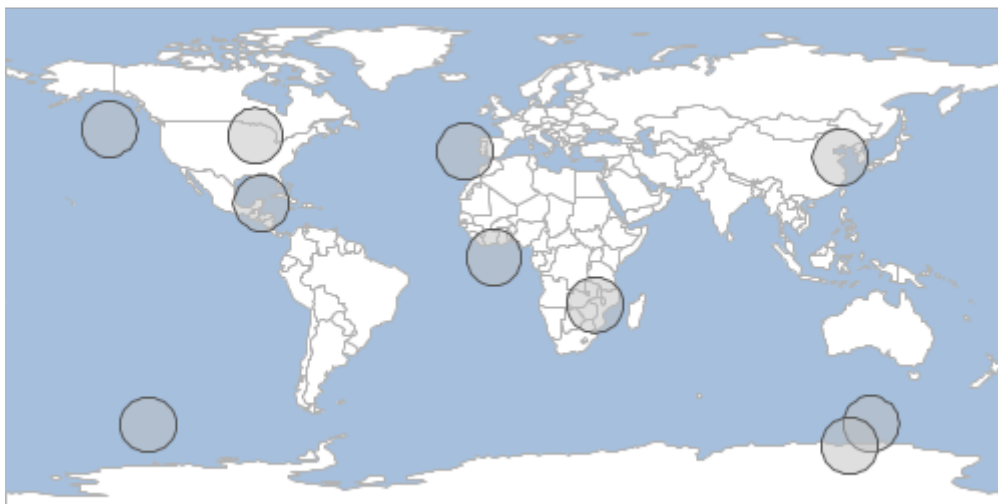
Pipe

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 ((-132.4235883403272 46.491656285155074, -132.6157355362949
44.540753064993794, -133.18479301521432 42.664821961504174, -134.10889221730176
40.935953954959054, -135.35252052846172 39.4205884732896, -136.86788601013117
38.17696016212962, -138.5967540166763 37.252860960042206, -140.47268512016592
36.683803481122766, -142.4235883403272 36.491656285155074, -144.37449156048848
36.683803481122766, -146.2504226639781 37.252860960042206, -147.97929067052323
38.17696016212962, -149.49465615219268 39.4205884732896, -150.73828446335264
40.935953954959054, -151.66238366544007 42.664821961504174, -152.2314411443595
44.54075306499379, -152.4235883403272 46.491656285155074, -152.2314411443595
48.44255950531636, -151.66238366544007 50.31849060880597, -150.73828446335264
52.047358615351094, -149.49465615219268 53.56272409702055, -147.97929067052323
54.80635240818053, -146.2504226639781 55.730451610267934, -144.37449156048848
56.299509089187374, -142.4235883403272 56.491656285155074, -140.47268512016592
56.29950908918738, -138.5967540166763 55.73045161026794, -136.86788601013117
54.80635240818053, -135.35252052846172 53.56272409702055, -134.10889221730176
52.047358615351094, -133.18479301521432 50.31849060880598, -132.6157355362949
48.44255950531636, -132.4235883403272 46.491656285155074)))"
...
```



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
```