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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
```

```
0.19.0-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

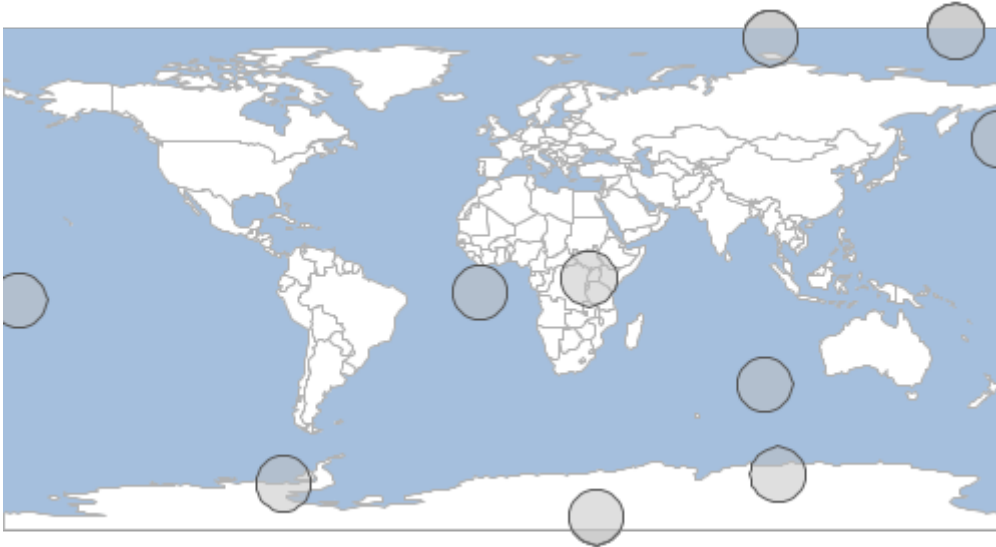
Combine multiple commands together with a pipe.

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 ((1.3854287656213273 -5.022152411460894, 1.1932815696536316
-6.973055631622176, 0.6242240907341952 -8.848986735111792, -0.2998751113532201
-10.577854741656916, -1.5435034225131972 -12.09322022332637, -3.05886890418265
-13.336848534486347, -4.787736910727775 -14.260947736573762, -6.663668014217389
-14.830005215493198, -8.614571234378673 -15.022152411460894, -10.565474454539954
-14.830005215493198, -12.441405558029569 -14.260947736573762, -14.170273564574693
-13.336848534486348, -15.685639046244148 -12.09322022332637, -16.929267357404125
-10.577854741656916, -17.85336655949154 -8.848986735111794, -18.422424038410977
-6.97305563162218, -18.614571234378673 -5.022152411460895, -18.422424038410977
-3.0712491912996103, -17.85336655949154 -1.1953180878099974, -16.92926735740413
0.533549918735126, -15.68563904624415 2.0489154004045806, -14.170273564574694
3.2925437115645586, -12.441405558029576 4.21664291365197, -10.56547445453996
4.785700392571409, -8.614571234378674 4.977847588539106, -6.663668014217389
4.78570039257141, -4.787736910727773 4.216642913651972, -3.0588689041826544
3.2925437115645604, -1.543503422513199 2.0489154004045833, -0.2998751113532201
0.5335499187351278, 0.6242240907341916 -1.1953180878099898, 1.1932815696536299
-3.0712491912996067, 1.3854287656213273 -5.022152411460894)))"
```

...



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
```