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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

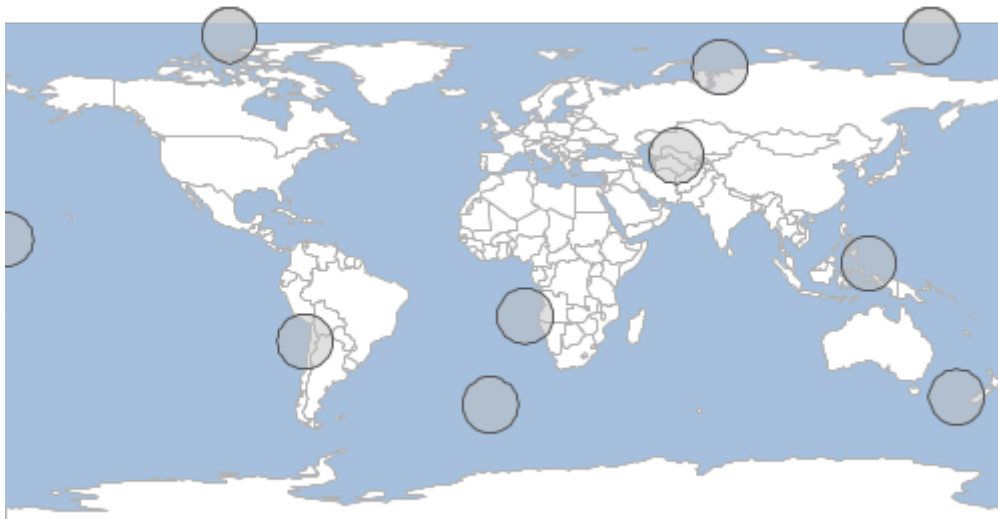
Combine multiple commands together with a pipe.

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 ((4.408729975563773 -47.2466041775971, 4.216582779596077
-49.19750739775838, 3.647525300676641 -51.073438501248, 2.7234260985892256
-52.80230650779312, 1.4797977874292485 -54.317671989462575, -0.0355676942402043
-55.56130030062255, -1.7644357007853286 -56.48539950270997, -3.6403668042749437
-57.0544569816294, -5.591270024436226 -57.2466041775971, -7.5421732445975085
-57.0544569816294, -9.418104348087123 -56.48539950270997, -11.146972354632247
-55.56130030062255, -12.662337836301703 -54.317671989462575, -13.90596614746168
-52.80230650779312, -14.830065349549095 -51.073438501248, -15.399122828468531
-49.197507397758386, -15.591270024436227 -47.2466041775971, -15.399122828468531
-45.29570095743581, -14.830065349549095 -43.4197698539462, -13.905966147461681
-41.69090184740108, -12.662337836301704 -40.175536365731624, -11.146972354632249
-38.93190805457165, -9.41810434808713 -38.00780885248423, -7.542173244597514
-37.4387513735648, -5.591270024436229 -37.2466041775971, -3.6403668042749437
-37.4387513735648, -1.7644357007853269 -38.00780885248423, -0.0355676942402088
-38.93190805457164, 1.4797977874292467 -40.175536365731624, 2.7234260985892256
-41.69090184740108, 3.6475253006766373 -43.41976985394619, 4.2165827795960755
-45.29570095743581, 4.408729975563773 -47.2466041775971)))"
```

...



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
```