Table of Contents

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
```

```
0.21.0-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 ((-56.96245692742889 26.73495830052363, -57.15460412339658
24.784055080362347, -57.72366160231602 22.90812397687273, -58.64776080440343
21.17925597032761, -59.89138911556341 19.663890488658154, -61.40675459723287
18.420262177498177, -63.13562260377799 17.496162975410762, -65.01155370726761
16.927105496491325, -66.96245692742889 16.73495830052363, -68.91336014759017
16.927105496491325, -70.78929125107979 17.496162975410762, -72.51815925762492
18.420262177498174, -74.03352473929436 19.663890488658154, -75.27715305045434
21.17925597032761, -76.20125225254176 22.90812397687273, -76.7703097314612
24.784055080362343, -76.96245692742889 26.73495830052363, -76.7703097314612
28.685861520684913, -76.20125225254176 30.561792624174526, -75.27715305045434
32.29066063071965, -74.03352473929436 33.806026112389105, -72.51815925762492
35.049654423549086, -70.78929125107979 35.97375362563649, -68.91336014759017
36.54281110455593, -66.96245692742889 36.73495830052363, -65.01155370726761
36.54281110455594, -63.13562260377799 35.9737536256365, -61.40675459723287
35.049654423549086, -59.89138911556341 33.806026112389105, -58.64776080440343
32.29066063071965, -57.72366160231603 30.561792624174533, -57.15460412339659
28.685861520684917, -56.96245692742889 26.73495830052363))"
...
```
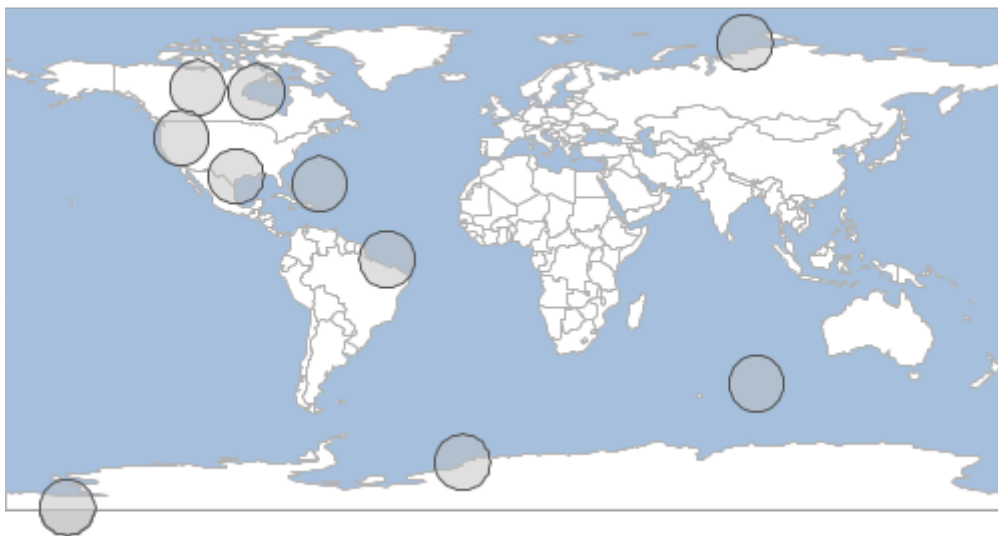
Shell

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
```

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.

```
Last login: Wed Oct  5 18:18:54 on ttys002
[jericks@Jareds-MacBook-Pro-2 ~ % geoc shell

           _                       _ _
          | |                     | | |
  __ _  ___   ___ ___    ___| |__   ___| | |
 / _` |/ _ \ / _ \/ __|  / __| '_ \ / _ \ | |
| (_| |  __/| (_) | (__   \__ \ | | |  __/ | |
 \__, |\___| \___/ \___|  |___/_| |_|\___|_|_|
  __/ |
 |___/

[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.

```
[geoc> vector c
centroid          contains          coordinates       create
clip              convexhull        copy
compareschemas    convexhulls       count
```

Once we have found our command, the shell will also provide completion for options.

```
[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
```