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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)
```
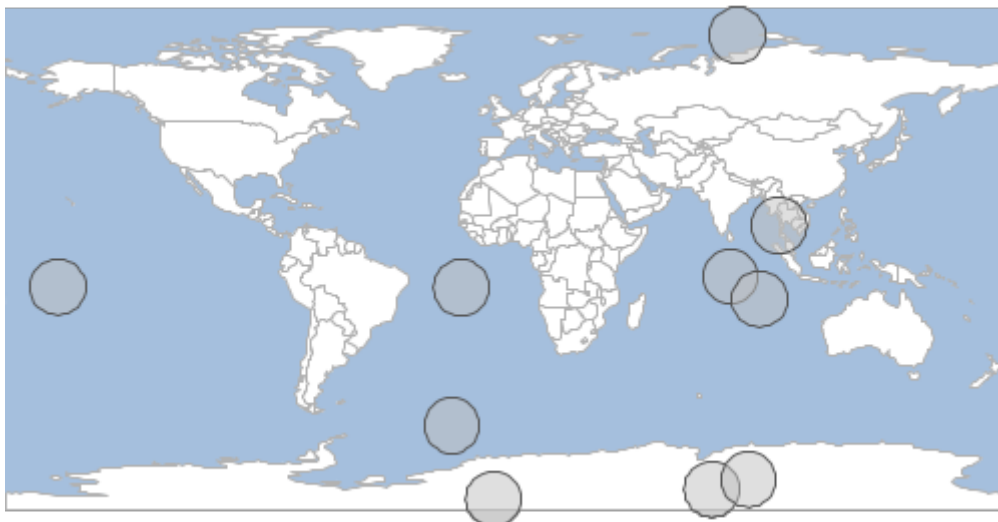
Pipe

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 ((-9.493448866899683 -60.06291122408092, -9.68559606286738
-62.0138144442422, -10.254653541786816 -63.88974554773182, -11.178752743874231
-65.61861355427695, -12.422381055034208 -67.1339790359464, -13.93774653670366
-68.37760734710638, -15.666614543248786 -69.3017065491938, -17.5425456467384
-69.87076402811323, -19.493448866899683 -70.06291122408092, -21.444352087060967
-69.87076402811323, -23.32028319055058 -69.3017065491938, -25.049151197095703
-68.37760734710638, -26.56451667876516 -67.1339790359464, -27.808144989925136
-65.61861355427695, -28.73224419201255 -63.88974554773182, -29.301301670931988
-62.01381444424221, -29.493448866899683 -60.06291122408092, -29.301301670931988
-58.112008003919634, -28.73224419201255 -56.23607690043002, -27.80814498992514
-54.5072088938849, -26.56451667876516 -52.991843412215445, -25.049151197095703
-51.748215101055465, -23.320283190550587 -50.82411589896806, -21.44435208706097
-50.25505842004862, -19.493448866899687 -50.06291122408092, -17.5425456467384
-50.25505842004861, -15.666614543248784 -50.82411589896805, -13.937746536703665
-51.748215101055465, -12.42238105503421 -52.991843412215445, -11.178752743874231
-54.5072088938849, -10.25465354178682 -56.236076900430014, -9.685596062867381
-58.112008003919634, -9.493448866899683 -60.06291122408092))"
...
```

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.

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
```