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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 OGC 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

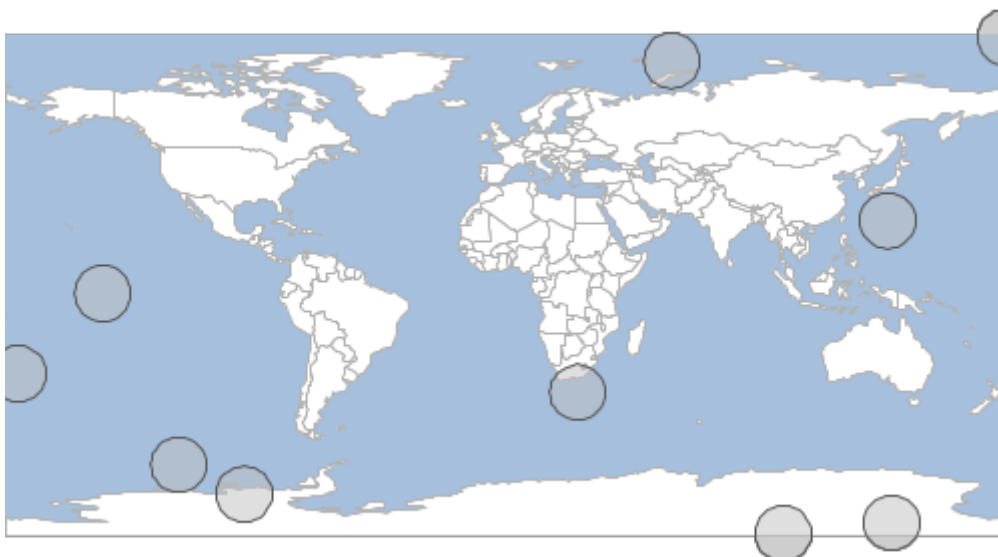
Combine multiple commands together with a pipe.

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 ((-134.85588184532085 -3.2587131832777914, -135.04802904128854
-5.209616403439074, -135.61708652020798 -7.085547506928689, -136.5411857222954
-8.814415513473813, -137.78481403345538 -10.329780995143267, -139.30017951512482
-11.573409306303244, -141.02904752166995 -12.49750850839066, -142.90497862515957
-13.066565987310096, -144.85588184532085 -13.258713183277791, -146.80678506548213
-13.066565987310096, -148.68271616897175 -12.49750850839066, -150.41158417551688
-11.573409306303246, -151.92694965718633 -10.329780995143267, -153.1705779683463
-8.814415513473813, -154.09467717043373 -7.08554750692869, -154.66373464935316
-5.209616403439077, -154.85588184532085 -3.2587131832777927, -154.66373464935316
-1.3078099631165077, -154.09467717043373 0.5681211403731052, -153.1705779683463
2.2969891469182286, -151.92694965718633 3.8123546285876833, -150.41158417551688
5.055982939747661, -148.68271616897175 5.980082141835073, -146.80678506548213
6.549139620754511, -144.85588184532085 6.741286816722209, -142.90497862515957
6.549139620754513, -141.02904752166995 5.980082141835075, -139.30017951512482
5.055982939747663, -137.78481403345538 3.812354628587686, -136.5411857222954
2.2969891469182304, -135.61708652020798 0.5681211403731128, -135.04802904128854
-1.307809963116504, -134.85588184532085 -3.2587131832777914)))"
```

...



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 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.



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
```