

# Table of Contents

- Workspace ..... 1
  - Basics..... 1
  - Layers ..... 2

# Workspace

Workspaces hold vector layers. A Workspace can be a GeoPackage database, a directory of Shapefiles, or a PostGIS database.

## Basics

You can open, close, and list Workspaces. The earliest Workspace to open is an in memory Workspace.

### Open

Open a Workspace.

Name	Description	Mandatory	Specified Default	Unspecified Default
name	The Workspace name	true		
params	The connection parameters	true		

```
geo-shell> workspace open --name mem --params memory
Workspace mem opened!
```

You can open a Workspace with `--params` or connection parameters. You can give it a name with `--name` flag.

### List

List open Workspaces.

```
geo-shell> workspace list
mem = Memory
```

Listing open Workspaces give you the name and the type Workspace.

### Close

Close a Workspace.

Name	Description	Mandatory	Specified Default	Unspecified Default
name	The Workspace name	true		

```
geo-shell> workspace close --name mem
Workspace mem closed!
```

Once you close a Workspace by name it will no longer appear with the list command.

## Layers

List the Layer in a Workspaces.

Name	Description	Mandatory	Specified Default	Unspecified Default
name	The Workspace name	true		

In this example, we will open a GeoPackage database filled with data from Natural Earth.

*Open a Workspace*

```
geo-shell> workspace open --name naturalearth --params src/test/resources/naturalearth.gpkg
Workspace naturalearth opened!
```

*List open Workspaces*

```
geo-shell> workspace layers --name naturalearth
countries
ocean
places
states
```

*Close a Workspace*

```
geo-shell> workspace close --name naturalearth
Workspace naturalearth closed!
```