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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. NOTE: No parameters

```
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!
```