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Built in

Exit / Quit

Exits the shell

geo-shell> **exit**



No parameters

Help

List all commands usage

| Name | Description | Mandatory | Specified Default | Unspecified Default |
|------|----------------------------------|-----------|-------------------|---------------------|
| | Command name to provide help for | false | | |

View all commands

geo-shell> **help**

- * ! - Allows execution of operating system (OS) commands
- * // - Inline comment markers (start of line only)
- * ; - Inline comment markers (start of line only)
- * clear - Clears the console
- * cls - Clears the console
- * date - Displays the local date and time
- * download - Download a URL to a file.
- * exit - Exits the shell
- * format close - Close a Raster Format.
- * format list - List open Raster Formats.

Get help for a command

geo-shell> **help layer open**

Keyword: layer open

Description: Open a Layer.

Keyword: workspace

Help: The Workspace name

Mandatory: true

Default if specified: 'NULL'

Default if unspecified: 'NULL'

Keyword: layer

Help: The Layer name

Mandatory: true
Default if specified: 'NULL'
Default if unspecified: 'NULL'

Keyword: name
Help: The name
Mandatory: false
Default if specified: 'NULL'
Default if unspecified: 'NULL'

* layer open - Open a Layer.

Run OS Command

Allows execution of operating system (OS) commands

geo-shell> ! ls src/test/resources/mars

| Name | Description | Mandatory | Specified Default | Unspecified Default |
|------|------------------------|-----------|-------------------|---------------------|
| | The command to execute | false | | |

geo-shell> ! ls src/test/resources/mars

geo_units_oc_dd.dbf
geo_units_oc_dd.prj
geo_units_oc_dd.qix
geo_units_oc_dd.sbn
geo_units_oc_dd.sbx
geo_units_oc_dd.shp
geo_units_oc_dd.shp.xml
geo_units_oc_dd.shx
I1802ABC_geo_units_RGBlut.txt

Date

Displays the local date and time

geo-shell> **date**



No parameters

geo-shell> **date**

Saturday, October 10, 2020 6:30:46 PM UTC

Script

Parses the specified resource file and executes its commands

geo-shell> **script src/test/resources/layer_count.txt**

| Name | Description | Mandatory | Specified Default | Unspecified Default |
|-------------|--|-----------|-------------------|---------------------|
| | The file to locate and execute | true | | |
| lineNumbers | Display line numbers when executing the script | false | true | false |

```
workspace open --name naturalearth --params src/test/resources/naturalearth.gpkg  
  
layer open --workspace naturalearth --layer countries --name countries  
  
layer count --name countries  
  
workspace close --name naturalearth
```

geo-shell> **script src/test/resources/layer_count.txt**

```
Oct 10, 2020 6:30:43 PM org.geotools.data.ogr.OGRDataStoreFactory isAvailable  
WARNING: Error initializing GDAL/OGR library  
java.lang.UnsatisfiedLinkError: no gdaljni in java.library.path  
at java.lang.ClassLoader.loadLibrary(ClassLoader.java:1867)  
at java.lang.Runtime.loadLibrary0(Runtime.java:870)  
at java.lang.System.loadLibrary(System.java:1122)  
at org.geotools.data.ogr.jni.JniOGRDataStoreFactory.doIsAvailable(JniOGRDataStoreFactory.java:46)  
at org.geotools.data.ogr.OGRDataStoreFactory.isAvailable(OGRDataStoreFactory.java:208)  
at org.geotools.data.ogr.OGRDataStoreFactory.isAvailable(OGRDataStoreFactory.java:196)  
at java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.java:174)  
at java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.java:175)  
at java.util.Iterator.forEachRemaining(Iterator.java:116)  
at java.util.Spliterators$IteratorSpliterator.forEachRemaining(Spliterators.java:1801)  
at java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)  
at java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.java:471)  
at java.util.stream.ReduceOps$ReduceOp.evaluateSequential(ReduceOps.java:708)  
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at org.geotools.data.DataAccessFinder.getAvailableDataStores(DataAccessFinder.java:199)  
at org.geotools.data.DataStoreFinder.getAvailableDataStores(DataStoreFinder.java:94)  
at org.geotools.data.DataStoreFinder.getDataStore(DataStoreFinder.java:67)  
at org.geotools.data.DataStoreFinder$getDataStore.call(Unknown Source)
```

at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
 at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:125)
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 at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:185)
 at geoscript.workspace.WorkspaceFactory.create(WorkspaceFactory.groovy:22)
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 at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:139)
 at org.geoshell.docs.AbstractDocTest.run(AbstractDocTest.groovy:52)
 at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
 at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
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 at org.codehaus.groovy.reflection.CachedMethod.invoke(CachedMethod.java:107)
 at groovy.lang.MetaMethod.doMethodInvoke(MetaMethod.java:323)
 at
 org.codehaus.groovy.runtime.metaclass.ClosureMetaClass.invokeMethod(ClosureMetaClass.java:351)
 at org.codehaus.groovy.runtime.callsite.PogoMetaClassSite.callCurrent(PogoMetaClassSite.java:61)
 at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCallCurrent(CallSiteArray.java:51)
 at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:171)
 at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:203)
 at org.geoshell.docs.AbstractDocTest\$_run_closure1.doCall(AbstractDocTest.groovy:32)
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at groovy.lang.Closure.call(Closure.java:412)
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org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:214)
at
org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:264)
at org.codehaus.groovy.runtime.dgm\$213.invoke(Unknown Source)
at
org.codehaus.groovy.runtime.callsite.PojoMetaMethodSite\$PojoMetaMethodSiteNoUnwrapNoCoerce.invoke(PojoMetaMethodSite.java:247)
at org.codehaus.groovy.runtime.callsite.PojoMetaMethodSite.call(PojoMetaMethodSite.java:56)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
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at org.geoshell.docs.AbstractDocTest.run(AbstractDocTest.groovy:31)
at org.geoshell.docs.AbstractDocTest\$run.callCurrent(Unknown Source)
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at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.junit.runners.model.FrameworkMethod\$1.runReflectiveCall(FrameworkMethod.java:50)
at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:47)
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)
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at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:325)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:78)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:57)
at org.junit.runners.ParentRunner\$3.run(ParentRunner.java:290)
at org.junit.runners.ParentRunner\$1.schedule(ParentRunner.java:71)

at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:288)
at org.junit.runners.ParentRunner.access\$000(ParentRunner.java:58)
at org.junit.runners.ParentRunner\$2.evaluate(ParentRunner.java:268)
at org.junit.runners.ParentRunner.run(ParentRunner.java:363)
at org.apache.maven.surefire.junit4.JUnit4Provider.execute(JUnit4Provider.java:365)
at org.apache.maven.surefire.junit4.JUnit4Provider.executeWithRerun(JUnit4Provider.java:273)
at org.apache.maven.surefire.junit4.JUnit4Provider.executeTestSet(JUnit4Provider.java:238)
at org.apache.maven.surefire.junit4.JUnit4Provider.invoke(JUnit4Provider.java:159)
at
org.apache.maven.surefire.booter.ForkedBooter.invokeProviderInSameClassLoader(ForkedBooter.java:383)
at org.apache.maven.surefire.booter.ForkedBooter.runSuitesInProcess(ForkedBooter.java:344)
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Oct 10, 2020 6:30:43 PM org.geotools.data.ogr.OGRDataStoreFactory isAvailable

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at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.springframework.util.ReflectionUtils.invokeMethod(ReflectionUtils.java:216)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.springframework.util.ReflectionUtils.invokeMethod(ReflectionUtils.java:216)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:125)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:139)

at org.geoshell.docs.AbstractDocTest.run(AbstractDocTest.groovy:52)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.codehaus.groovy.reflection.CachedMethod.invoke(CachedMethod.java:107)
at groovy.lang.MetaMethod.doMethodInvoke(MetaMethod.java:323)
at
org.codehaus.groovy.runtime.metaclass.ClosureMetaClass.invokeMethod(ClosureMetaClass.java:351)
at org.codehaus.groovy.runtime.callsite.PogoMetaClassSite.callCurrent(PogoMetaClassSite.java:61)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCallCurrent(CallSiteArray.java:51)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:171)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:203)
at org.geoshell.docs.AbstractDocTest\$_run_closure1.doCall(AbstractDocTest.groovy:32)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.codehaus.groovy.reflection.CachedMethod.invoke(CachedMethod.java:107)
at groovy.lang.MetaMethod.doMethodInvoke(MetaMethod.java:323)
at
org.codehaus.groovy.runtime.metaclass.ClosureMetaClass.invokeMethod(ClosureMetaClass.java:263)
at groovy.lang.MetaClassImpl.invokeMethod(MetaClassImpl.java:1026)
at groovy.lang.Closure.call(Closure.java:412)
at
org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:234)
at
org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:214)
at
org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:264)
at org.codehaus.groovy.runtime.dgm\$213.invoke(Unknown Source)
at
org.codehaus.groovy.runtime.callsite.PojoMetaMethodSite\$PojoMetaMethodSiteNoUnwrapNoCoerce.invoke(PojoMetaMethodSite.java:247)
at org.codehaus.groovy.runtime.callsite.PojoMetaMethodSite.call(PojoMetaMethodSite.java:56)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:125)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:139)
at org.geoshell.docs.AbstractDocTest.run(AbstractDocTest.groovy:31)
at org.geoshell.docs.AbstractDocTest\$run.callCurrent(Unknown Source)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCallCurrent(CallSiteArray.java:51)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:171)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:203)

```

at org.geoshell.docs.BuiltinDocTest.script(BuiltinDocTest.groovy:66)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:50)
at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:47)
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)
at org.junit.internal.runners.statements.RunAfters.evaluate(RunAfters.java:27)
at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:325)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:78)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:57)
at org.junit.runners.ParentRunner$3.run(ParentRunner.java:290)
at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:71)
at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:288)
at org.junit.runners.ParentRunner.access$000(ParentRunner.java:58)
at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:268)
at org.junit.runners.ParentRunner.run(ParentRunner.java:363)
at org.apache.maven.surefire.junit4.JUnit4Provider.execute(JUnit4Provider.java:365)
at org.apache.maven.surefire.junit4.JUnit4Provider.executeWithRerun(JUnit4Provider.java:273)
at org.apache.maven.surefire.junit4.JUnit4Provider.executeTestSet(JUnit4Provider.java:238)
at org.apache.maven.surefire.junit4.JUnit4Provider.invoke(JUnit4Provider.java:159)
at
org.apache.maven.surefire.booter.ForkedBooter.invokeProviderInSameClassLoader(ForkedBooter.java:383)
at org.apache.maven.surefire.booter.ForkedBooter.runSuitesInProcess(ForkedBooter.java:344)
at org.apache.maven.surefire.booter.ForkedBooter.execute(ForkedBooter.java:125)
at org.apache.maven.surefire.booter.ForkedBooter.main(ForkedBooter.java:417)

```

Oct 10, 2020 6:30:43 PM org.geotools.data.ogr.OGRDataStoreFactory isAvailable

WARNING: Error initializing GDAL/OGR library

java.lang.UnsatisfiedLinkError: no gdaljni in java.library.path

```
at java.lang.ClassLoader.loadLibrary(ClassLoader.java:1867)
```

```
at java.lang.Runtime.loadLibrary0(Runtime.java:870)
```

```
at java.lang.System.loadLibrary(System.java:1122)
```

```
at org.geotools.data.ogr.jni.JniOGRDataStoreFactory.doIsAvailable(JniOGRDataStoreFactory.java:46)
```

```
at org.geotools.data.ogr.OGRDataStoreFactory.isAvailable(OGRDataStoreFactory.java:208)
```

```
at org.geotools.data.ogr.OGRDataStoreFactory.isAvailable(OGRDataStoreFactory.java:196)
```

```
at java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.java:174)
```

```
at java.util.stream.ReferencePipeline$2$1.accept(ReferencePipeline.java:175)
```

```
at java.util.Iterator.forEachRemaining(Iterator.java:116)
```

```
at java.util.Spliterators$IteratorSpliterator.forEachRemaining(Spliterators.java:1801)
```

```
at java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:481)
```

```
at java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.java:471)
```

```
at java.util.stream.ReduceOps$ReduceOp.evaluateSequential(ReduceOps.java:708)
```

```
at java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)
```

```

at java.util.stream.ReferencePipeline.collect(ReferencePipeline.java:499)
at org.geotools.data.DataAccessFinder.getAvailableDataStores(DataAccessFinder.java:199)
at org.geotools.data.DataStoreFinder.getAvailableDataStores(DataStoreFinder.java:94)
at org.geotools.data.DataStoreFinder.getDataStore(DataStoreFinder.java:67)
at org.geotools.data.DataStoreFinder$getDataStore.call(Unknown Source)
at geoscript.workspace.WorkspaceFactory.create(WorkspaceFactory.groovy:32)
at geoscript.workspace.WorkspaceFactory$create$0.callCurrent(Unknown Source)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCallCurrent(CallSiteArray.java:51)
at geoscript.workspace.WorkspaceFactory$create$0.callCurrent(Unknown Source)
at geoscript.workspace.WorkspaceFactory.create(WorkspaceFactory.groovy:22)
at geoscript.workspace.WorkspaceFactory$create.call(Unknown Source)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
at geoscript.workspace.WorkspaceFactory$create.call(Unknown Source)
at geoscript.workspace.Workspace.getWorkspace(Workspace.groovy:283)
at geoscript.workspace.Workspace$getWorkspace.call(Unknown Source)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:125)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:139)
at org.geoshell.vector.WorkspaceCommands.open(WorkspaceCommands.groovy:24)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.springframework.util.ReflectionUtils.invokeMethod(ReflectionUtils.java:216)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
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at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:139)
at org.geoshell.docs.AbstractDocTest.run(AbstractDocTest.groovy:52)
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at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.codehaus.groovy.reflection.CachedMethod.invoke(CachedMethod.java:107)
at groovy.lang.MetaMethod.doMethodInvoke(MetaMethod.java:323)
at
org.codehaus.groovy.runtime.metaclass.ClosureMetaClass.invokeMethod(ClosureMetaClass.java:35
1)
at org.codehaus.groovy.runtime.callsite.PogoMetaClassSite.callCurrent(PogoMetaClassSite.java:61)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCallCurrent(CallSiteArray.java:51)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:171)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:203)
at org.geoshell.docs.AbstractDocTest$_run_closure1.doCall(AbstractDocTest.groovy:32)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)

```

at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.codehaus.groovy.reflection.CachedMethod.invoke(CachedMethod.java:107)
at groovy.lang.MetaMethod.doMethodInvoke(MetaMethod.java:323)
at
org.codehaus.groovy.runtime.metaclass.ClosureMetaClass.invokeMethod(ClosureMetaClass.java:263)
at groovy.lang.MetaClassImpl.invokeMethod(MetaClassImpl.java:1026)
at groovy.lang.Closure.call(Closure.java:412)
at
org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:234)
at
org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:214)
at
org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:264)
at org.codehaus.groovy.runtime.dgm\$213.invoke(Unknown Source)
at
org.codehaus.groovy.runtime.callsite.PojoMetaMethodSite\$PojoMetaMethodSiteNoUnwrapNoCoerce.invoke(PojoMetaMethodSite.java:247)
at org.codehaus.groovy.runtime.callsite.PojoMetaMethodSite.call(PojoMetaMethodSite.java:56)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:125)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:139)
at org.geoshell.docs.AbstractDocTest.run(AbstractDocTest.groovy:31)
at org.geoshell.docs.AbstractDocTest\$run.callCurrent(Unknown Source)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCallCurrent(CallSiteArray.java:51)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:171)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:203)
at org.geoshell.docs.BuiltinDocTest.script(BuiltinDocTest.groovy:66)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.junit.runners.model.FrameworkMethod\$1.runReflectiveCall(FrameworkMethod.java:50)
at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:47)
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)
at org.junit.internal.runners.statements.RunAfters.evaluate(RunAfters.java:27)
at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:325)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:78)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:57)
at org.junit.runners.ParentRunner\$3.run(ParentRunner.java:290)
at org.junit.runners.ParentRunner\$1.schedule(ParentRunner.java:71)

```
at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:288)
at org.junit.runners.ParentRunner.access$000(ParentRunner.java:58)
at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:268)
at org.junit.runners.ParentRunner.run(ParentRunner.java:363)
at org.apache.maven.surefire.junit4.JUnit4Provider.execute(JUnit4Provider.java:365)
at org.apache.maven.surefire.junit4.JUnit4Provider.executeWithRerun(JUnit4Provider.java:273)
at org.apache.maven.surefire.junit4.JUnit4Provider.executeTestSet(JUnit4Provider.java:238)
at org.apache.maven.surefire.junit4.JUnit4Provider.invoke(JUnit4Provider.java:159)
at
org.apache.maven.surefire.booter.ForkedBooter.invokeProviderInSameClassLoader(ForkedBooter.java:383)
at org.apache.maven.surefire.booter.ForkedBooter.runSuitesInProcess(ForkedBooter.java:344)
at org.apache.maven.surefire.booter.ForkedBooter.execute(ForkedBooter.java:125)
at org.apache.maven.surefire.booter.ForkedBooter.main(ForkedBooter.java:417)
```

Workspace naturalearth opened!

Opened Workspace naturalearth Layer countries as countries

177

Workspace naturalearth closed!

System Properties

Shows the shell's properties

geo-shell> **system properties**



No parameters

geo-shell> **system properties**

awt.toolkit = sun.awt.X11.XToolkit

basedir = /home/travis/build/jericks/geo-shell

file.encoding = UTF-8

file.encoding.pkg = sun.io

file.separator = /

Version

Displays shell version



No parameters

geo-shell> **version**

0.8.0

Download

Download a URL to a file.

```
geo-shell> download --url https://astropedia.astrogeology.usgs.gov/download/Mars/Geology/Mars15MGeologicGISRenovation.zip --file mars.zip --overwrite false
```

| Name | Description | Mandatory | Specified Default | Unspecified Default |
|-----------|--------------------------------------|-----------|-------------------|---------------------|
| url | The url | true | | |
| file | The file | true | | |
| overwrite | Whether to overwrite the file or not | false | true | true |

```
geo-shell> download --url https://astropedia.astrogeology.usgs.gov/download/Mars/Geology/Mars15MGeologicGISRenovation.zip --file mars.zip --overwrite false
```

Downloading <https://astropedia.astrogeology.usgs.gov/download/Mars/Geology/Mars15MGeologicGISRenovation.zip> to /Users/jericks/Projects/geo-shell/mars.zip...

```
geo-shell> unzip --file mars.zip --directory mars
```

Unzipping /Users/jericks/Projects/geo-shell/mars.zip to /Users/jericks/Projects/geo-shell/mars

```
geo-shell> style vector uniquevaluesfromtext --field UnitSymbol --geometryType Polygon  
--styleFile mars/units.sld --textFile  
mars/I1802ABC_Mars_global_geology/I1802ABC_geo_units_RGBlut.txt  
Create a unique values style from /Users/jericks/Projects/geo-shell/mars/I1802ABC_Mars_global_geology/I1802ABC_geo_units_RGBlut.txt for UnitSymbol and Polygon to /Users/jericks/Projects/geo-shell/mars/units.sld
```

```
geo-shell> workspace open --name mars --params  
mars/I1802ABC_Mars_global_geology/Shapefiles/I1802ABC_Mars2000_Sphere/geo_units_oc_dd.shp  
Workspace mars opened!
```

```
geo-shell> layer open --workspace mars --layer geo_units_oc_dd  
Opened Workspace mars Layer geo_units_oc_dd as mars:geo_units_oc_dd
```

```
geo-shell> layer style set --name mars:geo_units_oc_dd --style mars/units.sld  
Style /Users/jericks/Projects/geo-shell/mars/units.sld set on mars:geo_units_oc_dd
```

```
geo-shell> map open --name mars  
Map mars opened!
```

```
geo-shell> map add layer --name mars --layer mars:geo_units_oc_dd  
Added mars:geo_units_oc_dd layer to map mars
```

```
geo-shell> map draw --name mars  
Done drawing /Users/jericks/Projects/geo-shell/image.png!
```

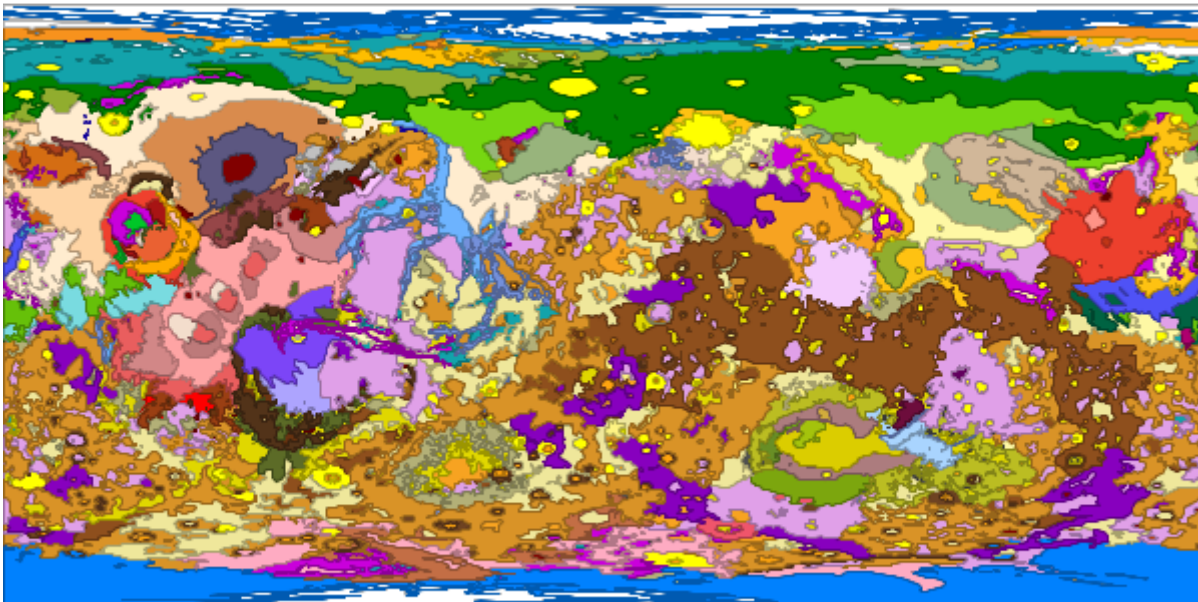


```
geo-shell> map close --name mars
```

Map mars closed!

```
geo-shell> open --file image.png
```

Opening /Users/jericks/Projects/geo-shell/image.png...



Unzip

Unzip a file

```
geo-shell> unzip --file mars.zip --directory mars
```

| Name | Description | Mandatory | Specified Default | Unspecified Default |
|-----------|---------------|-----------|-------------------|---------------------|
| file | The zip file | true | | |
| directory | The directory | true | | |

```
geo-shell> unzip --file mars.zip --directory mars
```

Unzipping /Users/jericks/Projects/geo-shell/mars.zip to /Users/jericks/Projects/geo-shell/mars

Open

Open a File.

```
geo-shell> open --file image.png
```

| Name | Description | Mandatory | Specified Default | Unspecified Default |
|------|-------------|-----------|-------------------|---------------------|
| | | | | |

| | | | | |
|------|----------|------|--|--|
| file | The File | true | | |
|------|----------|------|--|--|

geo-shell> **open** --file image.png

Opening /Users/jericks/Projects/geo-shell/image.png...