

DBUtils

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1.dbutils.help()

✓ Just now (2s)

1




Python

```
dbutils.help()
```





This module provides various utilities for users to interact with the rest of Databricks.

credentials: DatabricksCredentialUtils -> Utilities for interacting with credentials within notebooks
data: DataUtils -> Utilities for understanding and interacting with datasets (EXPERIMENTAL)
fs: DbfsUtils -> Manipulates the Databricks filesystem (DBFS) from the console
jobs: JobsUtils -> Utilities for leveraging jobs features
library: LibraryUtils -> Utilities for session isolated libraries
meta: MetaUtils -> Methods to hook into the compiler (EXPERIMENTAL)
notebook: NotebookUtils -> Utilities for the control flow of a notebook (EXPERIMENTAL)
preview: Preview -> Utilities under preview category
secrets: SecretUtils -> Provides utilities for leveraging secrets within notebooks
widgets: WidgetsUtils -> Methods to create and get bound value of input widgets inside notebooks

2.dbutils.fs.help()

   Just now (<1s)

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Python    

```
dbutils.fs.help()
```

dbutils.fs provides utilities for working with FileSystems. Most methods in this package can take either a DBFS path (e.g., `"/foo"` or `"dbfs:/foo"`), or another FileSystem URI. For more info about a method, use **dbutils.fs.help("methodName")**. In notebooks, you can also use the `%fs` shorthand to access DBFS. The `%fs` shorthand maps straightforwardly onto dbutils calls. For example, `"%fs head --maxBytes=10000 /file/path"` translates into `"dbutils.fs.head('/file/path', maxBytes = 10000)"`.

fsutils

cp(from: String, to: String, recurse: boolean = false): boolean -> Copies a file or directory, possibly across FileSystems

head(file: String, maxBytes: int = 65536): String -> Returns up to the first 'maxBytes' bytes of the given file as a String encoded in UTF-8

ls(dir: String): Seq -> Lists the contents of a directory

makedirs(dir: String): boolean -> Creates the given directory if it does not exist, also creating any necessary parent directories

mv(from: String, to: String, recurse: boolean = false): boolean -> Moves a file or directory, possibly across FileSystems

put(file: String, contents: String, overwrite: boolean = false): boolean -> Writes the given String out to a file, encoded in UTF-8

rm(dir: String, recurse: boolean = false): boolean -> Removes a file or directory

mount

mount(source: String, mountPoint: String, encryptionType: String = "", owner: String = null, extraConfigs: Map = Map.empty[String, String]): boolean -> Mounts the given source directory into DBFS at the given mount point



mounts: Seq -> Displays information about what is mounted within DBFS

refreshMounts: boolean -> Forces all machines in this cluster to refresh their mount cache, ensuring they receive the most recent information


unmount(mountPoint: String): boolean -> Deletes a DBFS mount point

updateMount(source: String, mountPoint: String, encryptionType: String = "", owner: String = null, extraConfigs: Map = Map.empty[String, String]): boolean -> Similar to mount(), but updates an existing mount point (if present) instead of creating a new one

3.dbutils.fs.help('cp')

  Just now (<1s)

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```
dbutils.fs.help('cp')
```

```
/**
 * Copies a file or directory, possibly across FileSystems..
 *
 * Example: cp("/mnt/my-folder/a", "s3n://bucket/b")
 *
 * @param from FileSystem URI of the source file or directory
 * @param to FileSystem URI of the destination file or directory
 * @param recurse if true, all files and directories will be recursively copied
 * @return true if all files were successfully copied
 */
cp(from: java.lang.String, to: java.lang.String, recurse: boolean = false): boolean
```

4.dbutils.fs.help('ls')

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```
dbutils.fs.help('ls')
```

```
/**
 * Lists the contents of a directory.
 *
 * Example: display(ls("/mnt/my-folder/"))
 *
 * The FileInfo object that is returned has the following helper methods:
 * val files = ls("/mnt/my-folder/")
 * files.map(_.name) // [myFile, myDir/]
 * files.map(_.length) // [1286, 0]
 * files.map(_.path) // [/mnt/my-folder/myFile, /mnt/my-folder/myDir/]
 * files.map(_.isDir) // [false, true]
 * files.map(_.isFile) // [true, false]
 * files.map(_.modificationTime) // [1615937446000, 1615937224000]
 *
 * @param dir FileSystem URI
 * @return Ordered sequence of FileInfos containing the name, size and modification time
 * of each file.
 */
ls(dir: java.lang.String): scala.collection.Seq
```

5.dbutils.fs.ls

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```
dbutils.fs.ls
```

```
<bound method prettify_exception_message.<locals>.f_with_exception_handling of Package 'dbutils.fs'. For more information, type 'display(dbutils.fs)' in a cell.>
```

6. ls (Listing all the datasets):

Just now (2s)

6

Python

%fs

ls /databricks-datasets

Table

	path	name	
1	dbfs:/databricks-datasets/COVID/	COVID/	
2	dbfs:/databricks-datasets/README.md	README.md	
3	dbfs:/databricks-datasets/Rdatasets/	Rdatasets/	
4	dbfs:/databricks-datasets/SPARK_README.md	SPARK_README.md	
5	dbfs:/databricks-datasets/adult/	adult/	
6	dbfs:/databricks-datasets/airlines/	airlines/	
7	dbfs:/databricks-datasets/amazon/	amazon/	
8	dbfs:/databricks-datasets/asa/	asa/	
9	dbfs:/databricks-datasets/atlas_higgs/	atlas_higgs/	
10	dbfs:/databricks-datasets/bikeSharing/	bikeSharing/	
11	dbfs:/databricks-datasets/cctvVideos/	cctvVideos/	
12	dbfs:/databricks-datasets/credit-card-fraud/	credit-card-fraud/	
13	dbfs:/databricks-datasets/cs100/	cs100/	
14	dbfs:/databricks-datasets/cs110x/	cs110x/	

55 rows | 1.81 seconds runtime

Refreshed now

7. dbutils.fs.ls(“Listing a particular dataset”)

```
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dbutils.fs.ls('dbfs:/databricks-datasets/COVID/')

[FileInfo(path='dbfs:/databricks-datasets/COVID/.DS_Store', name='.DS_Store', size=6148, modificationTime=1615901201000),
 FileInfo(path='dbfs:/databricks-datasets/COVID/CORD-19/', name='CORD-19/', size=0, modificationTime=1733287302249),
 FileInfo(path='dbfs:/databricks-datasets/COVID/CSSEGISandData/', name='CSSEGISandData/', size=0, modificationTime=1733287302249),
 FileInfo(path='dbfs:/databricks-datasets/COVID/ESRI_hospital_beds/', name='ESRI_hospital_beds/', size=0, modificationTime=1733287302249),
 FileInfo(path='dbfs:/databricks-datasets/COVID/IHME/', name='IHME/', size=0, modificationTime=1733287302249),
 FileInfo(path='dbfs:/databricks-datasets/COVID/USAFacts/', name='USAFacts/', size=0, modificationTime=1733287302249),
 FileInfo(path='dbfs:/databricks-datasets/COVID/coronavirusdataset/', name='coronavirusdataset/', size=0, modificationTime=1733287302249),
 FileInfo(path='dbfs:/databricks-datasets/COVID/covid-19-data/', name='covid-19-data/', size=0, modificationTime=1733287302249),
 FileInfo(path='dbfs:/databricks-datasets/COVID/download_daily_covid-19_datasets.sh', name='download_daily_covid-19_datasets.sh', size=1083, modificationTime=1609296932000),
 FileInfo(path='dbfs:/databricks-datasets/COVID/estimated_patient_impact_and_hospital_capacity by state/', name='estimated patient impact and hospital capacity by state/')
```

8. dbutils.fs.ls

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Just now (<1s)

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dbutils.fs.ls("databricks-datasets")

FileInfo(path='dbfs:/databricks-datasets/iot-stream/', name='iot-stream/', size=0, modificationTime=1733287382389),
FileInfo(path='dbfs:/databricks-datasets/learning-spark/', name='learning-spark/', size=0, modificationTime=1733287382389),
FileInfo(path='dbfs:/databricks-datasets/learning-spark-v2/', name='learning-spark-v2/', size=0, modificationTime=1733287382389),
FileInfo(path='dbfs:/databricks-datasets/lending-club-loan-stats/', name='lending-club-loan-stats/', size=0, modificationTime=1733287382389),
FileInfo(path='dbfs:/databricks-datasets/med-images/', name='med-images/', size=0, modificationTime=1733287382389),
FileInfo(path='dbfs:/databricks-datasets/media/', name='media/', size=0, modificationTime=1733287382389),
FileInfo(path='dbfs:/databricks-datasets/mnist-digits/', name='mnist-digits/', size=0, modificationTime=1733287382389),
FileInfo(path='dbfs:/databricks-datasets/news20.binary/', name='news20.binary/', size=0, modificationTime=1733287382389),
FileInfo(path='dbfs:/databricks-datasets/nyctaxi/', name='nyctaxi/', size=0, modificationTime=1733287382389),
FileInfo(path='dbfs:/databricks-datasets/nyctaxi-with-zipcodes/', name='nyctaxi-with-zipcodes/', size=0, modificationTime=1733287382389),
FileInfo(path='dbfs:/databricks-datasets/online_retail/', name='online_retail/', size=0, modificationTime=1733287382389),
```

9.Listing all paths

Just now (<1s)

9

Python

```
for foldername in dbutils.fs.ls("databricks-datasets"):
    print(foldername.path)
```

dbfs:/databricks-datasets/COVID/

dbfs:/databricks-datasets/README.md

dbfs:/databricks-datasets/Rdatasets/

dbfs:/databricks-datasets/SPARK_README.md

dbfs:/databricks-datasets/adult/

dbfs:/databricks-datasets/airlines/

dbfs:/databricks-datasets/amazon/

dbfs:/databricks-datasets/asa/

dbfs:/databricks-datasets/atlas_higgs/

dbfs:/databricks-datasets/bikeSharing/

dbfs:/databricks-datasets/cctvVideos/

dbfs:/databricks-datasets/credit-card-fraud/

dbfs:/databricks-datasets/cs100/

dbfs:/databricks-datasets/cs110x/

dbfs:/databricks-datasets/cs190/

dbfs:/databricks-datasets/data.gov/

dbfs:/databricks-datasets/definitive-guide/

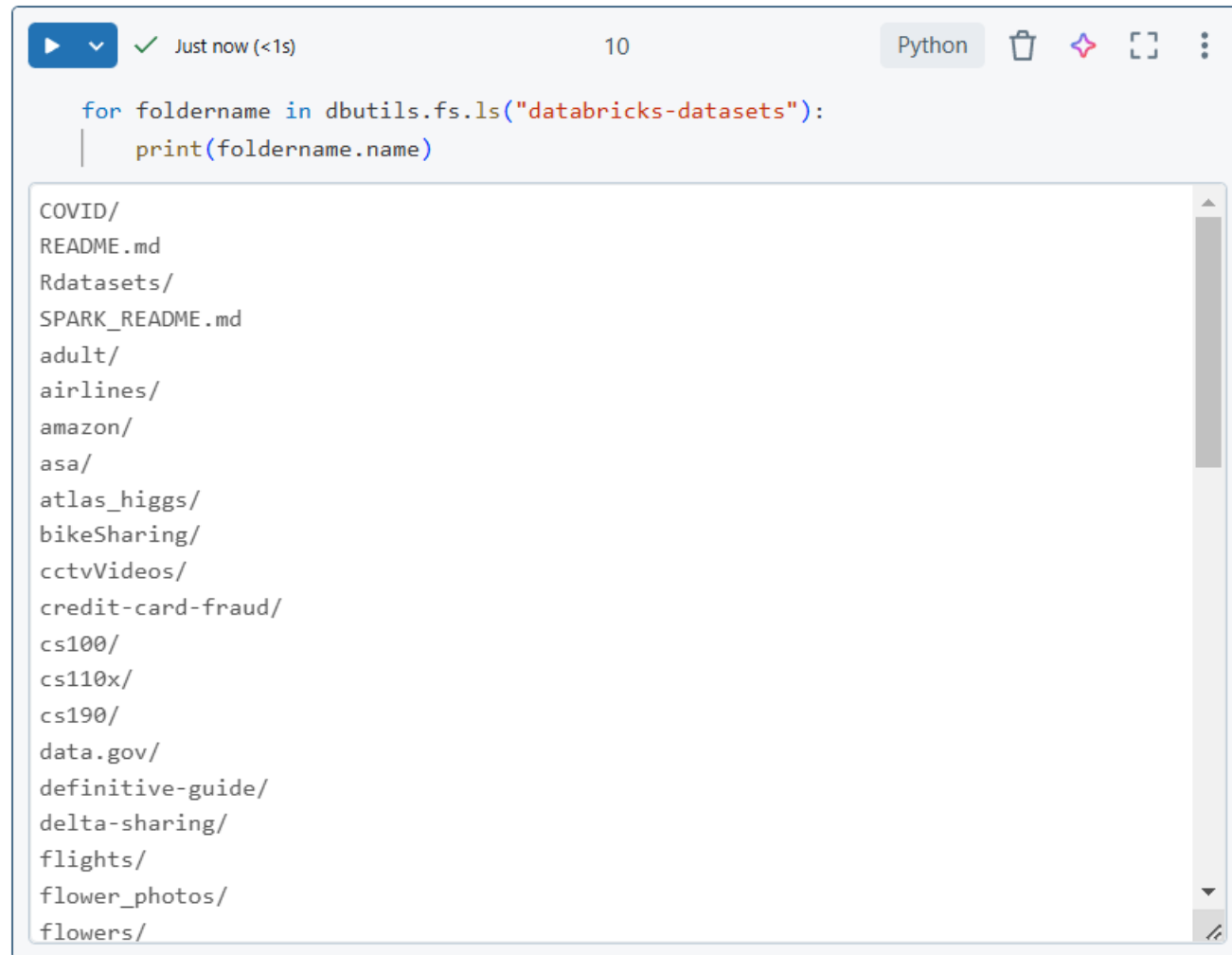
dbfs:/databricks-datasets/delta-sharing/

dbfs:/databricks-datasets/flights/

dbfs:/databricks-datasets/flower_photos/

dbfs:/databricks-datasets/flowers/

10.Listing all names



```
▶ ✓ Just now (<1s) 10 Python
```

```
for foldername in dbutils.fs.ls("databricks-datasets"):
    print(foldername.name)
```

```
COVID/
README.md
Rdatasets/
SPARK_README.md
adult/
airlines/
amazon/
asa/
atlas_higgs/
bikeSharing/
cctvVideos/
credit-card-fraud/
cs100/
cs110x/
cs190/
data.gov/
definitive-guide/
delta-sharing/
flights/
flower_photos/
flowers/
```


10. Listing all the modification times:

[illegible]

12. dbutils.notebook.help()

```
dbutils.notebook.help()
```

The notebook module.

exit(value: String): void -> This method lets you exit a notebook with a value

run(path: String, timeoutSeconds: int, arguments: Map): String -> This method runs a notebook and returns its exit value

13. dbutils.notebook.exit()

Just now (1s)

13

Python

```
dbutils.notebook.exit("Existing")
```

Notebook exited: Existing

14. dbutils.notebook.run()

Just now (11s)

14

Python

```
dbutils.notebook.run("./mynb",10)
```

Notebook Workflows

Start time	End time	Notebo...	Duration	Status	Error code	Run par...	
Dec 04, 2024, 10	Dec 04, 2024, 10	...m/mynb	6s				

15. ls “dbfs:”

10:35 AM (20s) 15

```
%fs  
ls "dbfs:/"
```

	A ^B _C path	A ^B _C name	i ² ₃ size	i ² ₃ modificationTime
1	dbfs:/Volume/	Volume/	0	0
2	dbfs:/Volumes/	Volumes/	0	0
3	dbfs:/databricks-dataset...	databricks-dataset...	0	0
4	dbfs:/databricks-results/	databricks-results/	0	0
5	dbfs:/volume/	volume/	0	0
6	dbfs:/volumes/	volumes/	0	0

↓ 6 rows | 19.91 seconds runtime Refreshed 21 minutes ago

Submitted by:
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