

Checking Path Existence and Permissions

All Versions

Examples

Perform checks using `os.access`

`os.access` is much better solution to check whether directory exists and it's accesable for reading and writing.

```
import os
path = "/home/myFiles/directory1"

## Check if path exists
os.access(path, os.F_OK)

## Check if path is Readable
os.access(path, os.R_OK)

## Check if path is Writable
os.access(path, os.W_OK)

## Check if path is Executable
os.access(path, os.X_OK)
```

also it's possible to perform all checks together

```
os.access(path, os.F_OK & os.R_OK & os.W_OK & os.X_OK)
```

All the above returns `True` if access is allowed and `False` if not allowed. These are available on unix and windows.

Syntax

Parameters

Parameter	Details
<code>os.F_OK</code>	Value to pass as the mode parameter of <code>access()</code> to test the existence of path.
<code>os.R_OK</code>	Value to include in the mode parameter of <code>access()</code> to test the readability of path.
<code>os.W_OK</code>	Value to include in the mode parameter of <code>access()</code> to test the writability of path.
<code>os.X_OK</code>	Value to include in the mode parameter of <code>access()</code> to determine if path can be executed.

Remarks