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# jupyter\_core Documentation

*Release 4.4.0*

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This documentation only describes the public API in the `jupyter_core` package. For overview information about using Jupyter, see the [main Jupyter docs](#).

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## PATHS FOR JUPYTER FILES

### 1.1 Specific directories

`jupyter_core.paths.jupyter_config_dir()`  
Get the Jupyter config directory for this platform and user.  
Returns JUPYTER\_CONFIG\_DIR if defined, else ~/.jupyter

`jupyter_core.paths.jupyter_data_dir()`  
Get the config directory for Jupyter data files.  
These are non-transient, non-configuration files.  
Returns JUPYTER\_DATA\_DIR if defined, else a platform-appropriate path.

`jupyter_core.paths.jupyter_runtime_dir()`  
Return the runtime dir for transient jupyter files.  
Returns JUPYTER\_RUNTIME\_DIR if defined.  
Respects XDG\_RUNTIME\_DIR on non-OS X, non-Windows, falls back on data\_dir/runtime otherwise.

### 1.2 Search paths

`jupyter_core.paths.jupyter_config_path()`  
Return the search path for Jupyter config files as a list.

`jupyter_core.paths.jupyter_path(*subdirs)`  
Return a list of directories to search for data files  
JUPYTER\_PATH environment variable has highest priority.  
If \*subdirs are given, that subdirectory will be added to each element.  
Examples:

```
>>> jupyter_path()
['~/.local/jupyter', '/usr/local/share/jupyter']
>>> jupyter_path('kernels')
['~/.local/jupyter/kernels', '/usr/local/share/jupyter/kernels']
```





## CHANGES IN JUPYTER-CORE

### 2.1 4.4

#### 2.1.1 4.4.0

on GitHub

- `jupyter troubleshoot` gets the list of packages from the Python environment it's in, by using `sys.executable` to call `pip list` (PR #104).
- Added utility function `ensure_dir_exists`, and switched to using it over the one from `ipython_genutils`, which does permissions wrong (PR #113).
- Avoid creating the `~/ .ipython` directory when checking if it exists for config migration (PR #118).
- Fix mistaken description in zsh completions (PR #98).
- Fix subcommand tests on Windows (PR #103).
- The README now describes how to work on `jupyter_core` and build the docs (PR #110).
- Fix a broken link to a release in the docs (PR #109).

### 2.2 4.3

#### 2.2.1 4.3.0

on GitHub

- Add `JUPYTER_NO_CONFIG` environment variable for disabling all Jupyter configuration.
- More detailed error message when failing to launch subcommands.

### 2.3 4.2

#### 2.3.1 4.2.1

on GitHub

- Fix error message on Windows when subcommand not found.
- Correctly display `PATH` in `jupyter troubleshoot` on Windows.

## 2.3.2 4.2.0

on [GitHub](#)

- Make **jupyter** directory top priority in search path for subcommands, so that **jupyter-subcommand** next to **jupyter** will always be picked if present.
- Avoid using `shell=True` for subcommand dispatch on Windows.

## 2.4 4.1

### 2.4.1 4.1.1

on [GitHub](#)

- Include symlink directory and real location on subcommand `PATH` when `jupyter` is a symlink.

### 2.4.2 4.1.0

on [GitHub](#)

- Add `jupyter.py` module, so that **python -m jupyter** always works.
- Add prototype `jupyter troubleshoot` command for displaying environment info.
- Ensure directory containing `jupyter` executable is included when dispatching subcommands.
- Unicode fixes for Legacy Python.

## 2.5 4.0

### 2.5.1 4.0.6

on [GitHub](#)

- fix typo preventing migration when `custom.css` is missing

### 2.5.2 4.0.5

on [GitHub](#)

- fix subcommands on Windows (yes, again)
- fix migration when `custom.js/css` are not present

### 2.5.3 4.0.4

on [GitHub](#)

- fix subcommands on Windows (again)
- ensure `jupyter --version` outputs to `stdout`

## 2.5.4 4.0.3

on [GitHub](#)

- setuptools fixes needed to run on Windows

## 2.5.5 4.0.2

on [GitHub](#)

- fixes for jupyter-migrate

## 2.5.6 4.0.1

on [GitHub](#)

This is the first release of the jupyter-core package.



## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`



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### j

`jupyter_core.paths`, 3





## INDEX

### J

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