
jupyter_core Documentation

Release 4.6.1.dev

Jupyter Development Team

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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](#).

Contents:

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.
The default is now (data_dir)/runtime on all platforms; we no longer use XDG_RUNTIME_DIR after various problems.

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 4.6

2.1.1 4.6.1

on GitHub

- Tolerate execute bit in owner permissions when validating secure writes (PR #173).
- Fix project name typo in copyright (PR #171).

2.1.2 4.6.0

on GitHub

- Unicode characters existing in the user's home directory name are properly handled (PR #131).
- `mock` is now only required for testing on Python 2 (PR #157).
- Deprecation warnings relative to `_runtime_dir_changed` are no longer produced (PR #158).
- The `scripts` directory relative to the current python environment is now appended to the search directory for subcommands (PR #162).
- Some utility functions (`exists()`, `is_hidden()`, `secure_write()`) have been moved from `jupyter_client` and `jupyter_server` to `jupyter_core` (PR #163).
- Fix error on Windows when setting private permissions (PR #166).

2.2 4.5

2.2.1 4.5.0

on GitHub

- `jupyter --version` now tries to show the version number of various other installed Jupyter packages, not just `jupyter_core` (PR #136). This will hopefully make it clearer that there are various packages with their own version numbers.
- Allow a `JUPYTER_CONFIG_PATH` environment variable to specify a search path of additional locations for config (PR #139).
- `jupyter` subcommand no longer modifies the `PATH` environment variable when it runs `jupyter-subcommand` (PR #148).
- Jupyter's 'runtime' directory no longer uses `XDGRUNTIME_DIR` (PR #143). While it has some attractive properties, it has led to various problems; see the pull request for details.
- Fix `JupyterApp` to respect the `raise_config_file_errors` traitlet (PR #149).
- Various improvements to the bash completion scripts in this repository (PR #125, PR #126).
- The `setup.py` script now always uses `setuptools`, like most other Jupyter projects (PR #147).
- The `LICENSE` file is included in wheels (PR #133).

2.3 4.4

2.3.1 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).

2.4 4.3

2.4.1 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.

2.5 4.2

2.5.1 4.2.1

on GitHub

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

2.5.2 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.

2.6 4.1

2.6.1 4.1.1

on GitHub

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

2.6.2 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.

2.7 4.0

2.7.1 4.0.6

on GitHub

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

2.7.2 4.0.5

on GitHub

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

2.7.3 4.0.4

on GitHub

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

2.7.4 4.0.3

on GitHub

- setuptools fixes needed to run on Windows

2.7.5 4.0.2

on GitHub

- fixes for jupyter-migrate

2.7.6 4.0.1

on GitHub

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

CHAPTER 3

Indices and tables

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