
jupyter_core Documentation

Release 4.8.0.dev0

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 for this platform and user.

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.

If the JUPYTER_PREFER_ENV_PATH environment variable is set, the environment-level directories will have priority over user-level directories.

`jupyter_core.paths.jupyter_path(*subdirs)`
Return a list of directories to search for data files

JUPYTER_PATH environment variable has highest priority.

If the `JUPYTER_PREFER_ENV_PATH` environment variable is set, the environment-level directories will have priority over user-level directories.

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 4.7

2.1.1 4.7.1

on GitHub

- Allow creating user to delete secure file (PR #213)

2.1.2 4.7.0

on GitHub

See the [jupyter_core 4.7](#) milestone on GitHub for the full list of pull requests and issues closed.

- Add a new `JUPYTER_PREFER_ENV_PATH` variable, which can be set to switch the order of the environment-level path and the user-level path in the Jupyter path hierarchy (e.g., `jupyter --paths`). It is considered set if it is a value that is not one of 'no', 'n', 'off', 'false', '0', or '0.0' (case insensitive). If you are running Jupyter in multiple virtual environments as the same user, you will likely want to set this environment variable.
- Drop Python 2.x and 3.5 support, as they have reached end of life.
- Add Python 3.9 builds to testing, and expand testing to cover Windows, macOS, and Linux platforms.
- `jupyter --paths --debug` now explains the environment variables that affect the current path list.
- Update the file hidden check on Windows to use new Python features rather than ctypes directly.
- Add conda environment information in `jupyter troubleshoot`.
- Update `_version.version_info` and `_version.__version__` to follow Python conventions.

2.2 4.6

2.2.1 4.6.3

on GitHub

- Changed windows secure_write path to skip all filesystem permission checks when running in insecure mode. Too many exception paths existed for mounted file systems to reliably try to set them before opting out with the insecure write pattern.

2.2.2 4.6.2

on GitHub

- Add ability to allow insecure writes with JUPYTER_ALLOW_INSECURE_WRITES environment variable (PR #182).
- Docs typo and build fixes
- Added python 3.7 and 3.8 builds to testing

2.2.3 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).

2.2.4 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).

2.3 4.5

2.3.1 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).

2.4 4.4

2.4.1 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).

2.5 4.3

2.5.1 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.

2.6 4.2

2.6.1 4.2.1

on GitHub

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

2.6.2 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.

2.7 4.1

2.7.1 4.1.1

on GitHub

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

2.7.2 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.

2.8 4.0

2.8.1 4.0.6

on GitHub

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

2.8.2 4.0.5

on GitHub

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

2.8.3 4.0.4

on GitHub

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

2.8.4 4.0.3

on GitHub

- setuptools fixes needed to run on Windows

2.8.5 4.0.2

on GitHub

- fixes for jupyter-migrate

2.8.6 4.0.1

on GitHub

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

CHAPTER 3

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