IPython Kernel Documentation

Release 4.3.1

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This contains minimal version-sensitive documentation for the IPython kernel package. Most IPython kernel documentation is in the IPython documentation.

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CHAPTER

ONE

CHANGES IN IPYTHON KERNEL

1.1 4.3

1.1.1 4.3.1

- Fix Windows Python 3.5 incompatibility caused by faulthandler patch in 4.3

1.1.2 4.3.0

4.3.0 on GitHub

- Publish all IO in a thread, via `IOPubThread`. This solves the problem of requiring `sys.stdout.flush()` to be called in the notebook to produce output promptly during long-running cells.
- Remove refrences to outdated IPython guiref in kernel banner.
- Patch faulthandler to use `sys.__stderr__` instead of forwarded `sys.stderr`, which has no fileno when forwarded.
- Deprecate some vestiges of the Big Split: - `ipykernel.find_connection_file()` is deprecated. Use `jupyter_client.find_connection_file()` instead. - Various pieces of code specific to IPython parallel are deprecated in ipykernel and moved to ipyparallel.

1.2 4.2

1.2.1 4.2.2

4.2.2 on GitHub

- Don't show interactive debugging info when kernel crashes
- Fix handling of numerical types in json_clean
- Testing fixes for output capturing

1.2.2 4.2.1

4.2.1 on GitHub

- Fix default display name back to "Python X" instead of "pythonX"

1.2.3 4.2.0

4.2 on GitHub

- Support sending a full message in initial opening of comms (metadata, buffers were not previously allowed)
- When using `ipython kernel install --name` to install the IPython kernelspec, default display-name to the same value as `--name`.

1.3 4.1

1.3.1 4.1.1

4.1.1 on GitHub

- Fix missing `ipykernel.__version__` on Python 2.
- Fix missing `target_name` when opening comms from the frontend.

1.3.2 4.1.0

4.1 on GitHub

- add `ipython kernel install` entrypoint for installing the IPython kernelspec
- provisional implementation of `comm_info` request/reply for msgspec v5.1

1.4 4.0

4.0 on GitHub

4.0 is the first release of ipykernel as a standalone package.

CHAPTER

TWO

INDICES AND TABLES

- genindex
- modindex
- search