



Release Notes

Thespian Python Actor System

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2015 Dec 16 (#2.4.4)

Thespian Project

TheDoc-06

PUBLIC DOCUMENT



Contents

2.x

2.4

2.4.4 <2015-12-16 Wed>

- Removed TCP connect timeout that overrode non-blocking mode.
- Fixed TCP address equality comparison when zero port specification compared. A port of zero matches any other port if the address portion is the same; previously this only worked for comparing to known local addresses, not arbitrary addresses when the port was 0.
- Fixed error text when using `tell()` with a bad Actor Address (previously identified the wrong call).
- Ensure Actor System `createActor()` calls are not aborted prematurely by leftover responses to previous operations (e.g. timeout-unclaimed `ask()` responses).

2.4.3 <2015-11-18 Wed>

- Ensured that `PoisonMessage` sending doesn't recurse indefinitely.
- Added a missing newline in status output formatting.
- Added a descriptive failure output messaging for IP-based address connection failures. This helps with common mistakes, such as specifying the "Admin Port" as a string instead of an integer.
- Fixed a bug where calling `ActorSystem().shutdown()` multiple times would throw an exception.
- Fixed a bug on multi-level import references (e.g. `import x.y.z`) in sources loaded by `loadActorSource()` operations.
- Fixed a bug where old actors checking in with a restarted ActorSystem caused exceptions.
- Fixed a TCP transport bug that caused transmits to be abandoned instead of being retried after the back-off timer expired.
- Updated default `thespian.log` logfile creation to honor `$TMPDIR` if it is set and only default to directing logging to `/tmp` if it is not set.
- Added internal `wait()` call for logger child process on shutdown to avoid defunct loggers.
- Removed a debug `printf` in the `simpleSystemBase`.

2.4.2 <2015-10-26 Mon>

- Delay thesplog location determination until usage to allow startup code to adjust location.
- Better daemonization of multiproc Admin on Unix.
- Ensure filenums to close is passed as a list not a Python3 iterator when creating multiproc children (bugfix).

2.4.1 <2015-10-20 Mon>

- Updated to allow packets not blocked on waiting for an address resolution to be sent even if previous packets are still waiting for that resolution.
- Fixed documentation uploads.

2.4.0 <2015-10-18 Sun>

- Add loadActorSource() and unloadActorSource() to Actor API (duplicating existing Actor System API functionality).
- Internal: use distributed importlib whenever possible.
- Fix stats response for Actor Systems for Python3.
- Allow optional error strings in reporting actor creation failures.
- Better capture and reporting of loaded source instantiation errors.
- Miscellaneous test and logging updates.

2.3**2.3.0 <2015-10-04 Sun>**

- Added ActorTypeDispatcher enhanced base class to facilitate dispatching of received messages based on message type.
- Ensure exceptions occurring while writing to Thespian file log do not cause failures.
- Protect against exceptions occurring when comparing messages for equality.
- Updates to testActorSystemRestart.
- Update "Thespian Generation" common Capabilities to version (2,3). Previous 2.2.0 release erroneously did not update this value.

2.2

2.2.0 <2015-09-27 Sun>

- Fix internal links in Using Thespian document.
- Add support for multiple convention notification registrations.
- Allow ActorSystem logDefs to be specified as False to suppress any logging configuration; especially useful for test log capture modes.
- Better ActorSystem startup processing to distinguish between a re-specification of the current base and a new base, and added the transientUnique startup argument to get a plain instance (a non-global-singleton instance).
- Added missing description of the ActorSystem shutdown() operation in the Using Thespian document.
- Added ability to set the maximum thesplog logging file via the THESPLOG_FILE_MAXSIZE environment variable and changed the default to 50KB.
- Added Using Thespian documentation description of logging with the THESPLOG_FILE and THESPLOG_FILE_MAXSIZE environment variable controls.

2.1

2.1.6 <2015-09-27 Sun>

- Fix imports in tests and actors.py for multiple Python versions.
- Add missing timeout to test to prevent hang.

2.1.5 <2015-09-20 Sun>

- Adds support for Python 3.3 and Python 3.4 versions, including the use of the PyPy interpreter.
- Adds the listen() API call (ask() is tell() + listen())
- Log Actor exception through normal logging channels as well as via Thespian internal logging output.
- The Thespian shell loads the TestActor via loadable sources.
- The simpleSystemBase will always apply default logging.
- The loadActorSource() call can now take a file-like object as well as a filename.
- Added the Thespian Developer's document.
- Added the Thespian In-Depth Introduction document.
- Added the Thespian Index (main pages) document.
- Added the Thespian Releases document.

- Internal updates to more gracefully handle shutdown scenarios and avoid impossible retransmits.
- Testing, documentation, and setup file updates.

2.1.4 Initial Public Release <2015-08-31 Mon>

The 2.1.4 Release represents the first publicly available release of Thespian. It includes the following features:

- System Bases: SimpleSystemBase, MultiprocTCPBase, MultiprocUDPBase, MultiprocQueueBase
- Support for Loadable Sources

2.0

The 2.0 Release was developed and used internally by GoDaddy.

1.x

The 1.x Release series was developed and used internally by GoDaddy