

PyConfuser Update

Simpler setup, broader Python compatibility, and more dependable protection builds.

No external cryptography package required

PyConfuser's encryption and integrity features now use Python's standard library. The separate cryptography package is no longer required to run the obfuscation engine or its protected output.

This reduces installation friction and makes it easier to use PyConfuser in clean or minimal Python environments, including environments where additional packages are inconvenient to install.

Expanded Python compatibility

Compatibility work now covers Python 3.7 through 3.15, including older syntax-generation paths and newer language features. Protection profiles have been checked across builder and target interpreter combinations.

For protections that package Python-specific executable code, continue selecting the intended target Python version when building your protected script.

Stability and correctness improvements

This update addresses cases where protection could change the behavior of otherwise valid Python programs. Improvements include:

- **Control flow:** More reliable handling of nested loops, returns, exceptions, and branching.
- **Python language features:** Better preservation of docstrings, annotations, function signatures, and formatted strings.
- **Imports and libraries:** Corrections for package imports and programs that use introspection, decorators, or other advanced Python patterns.
- **Build results:** Virtualization and packing failures are surfaced as errors, improving the reliability of generated output and its status reporting.

Protection and output refinements

String protection, virtualization, and packing have received further consistency and reliability updates. Parts of the generated support code have also been streamlined to remove redundant components. Final output size depends on the selected protection profile.

The protection pipeline has been simplified to keep available configurations focused and reduce redundant processing.

Verification across profiles and versions

The current revision passed the following recorded automated checks:

Test suite	Passed
Python compatibility matrix	1,053 / 1,053
Behavior-equivalence fixtures	403 / 403
Cross-version equivalence checks	1,209 / 1,209

These results describe the tested scenarios, profiles, and interpreters. As with any obfuscation update, test your protected application with its actual dependencies and target runtime before deployment.