Splunk® Enterprise
Python 3 Migration 8.0.4

Python 3 migration with the Splunk platform

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Check this manual often for updated information about the Splunk platform Python 3 migration. The content is subject to change.

On January 1, 2020, Python version 2.x was officially deprecated by the Python Software Foundation. Python packages and tools have ended or are ending support for Python 2, and new Python packages don't support Python 2. This does not impair Splunk's ability to provide support for Splunk Enterprise, including Python 2.7. However, to continue to leverage community support and maintain compatibility with the many third party projects that use Python, Splunk has migrated Splunk Enterprise, supported Premium Solutions, and supported Splunkbase apps and add-ons to be compatible with Python 3.7.

This manual helps identify prerequisites, required changes and steps for migrating impacted Splunk products and apps to Python 3. As Splunk makes new tools and advice available, this content will be updated. When this content is revised, changes updates will be tracked in Splunk Answers.

Splunk has released Splunk Enterprise version 8.0 to support the migration from Python 2 to Python 3. Splunk has migrated impacted features to Python 3.7, and Splunk Enterprise version 8.0 includes both the Python 2.7 and Python 3.7 runtimes, to help customers and developers transition Python in apps from Python 2 to Python 3. Splunk will remove the Python 2.7 runtime altogether in a future release.

Splunk administrators

Splunk administrators might need to take steps to prepare for Python 3.7 in Splunk Enterprise version 8.0, as there are prerequisites to this upgrade. See details in Changes to Splunk Enterprise.

Splunk developers

Splunk app and add-on developers must revise apps and add-ons that use Python scripts. Revised Splunkbase apps will need to be resubmitted after validation with Splunk Enterprise version 8.0. For details about specific script changes required to support Splunk Enterprise version 8.0, see Python Development in Splunk Enterprise.

Splunk provides the Splunk Platform Upgrade Readiness app for admins to scan deployed apps for any components impacted by migration to Python 3. For more information, see the Splunk Platform Upgrade Readiness App. Developers should also review all issues covered in this manual and test app and add-on revisions with the Splunk Enterprise version 8.0 before resubmitting to Splunkbase.

Splunk solutions customers

Customers of some Splunk solutions must update ML models to support Python 3, as specified in Splunk IT Service Intelligence and Splunk Machine Learning Toolkit.

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