

Python Tool Environment in a Server Upgrade

PLAN

Questions / Steps

Considerations / Links

Understand the Python Tool's shared environment

The Python Tool uses a shared environment on the Server that is reset during a Server Upgrade. Any workflow using the Python Tool may have installed packages in this shared environment and will not run after your Server Upgrade until the necessary packages are restored.

Check if the upgrade changes the Python version used by the Python Tool

Your users' Python scripts may need to be modified when the underlying version of Python changes. Find the Python version your Server uses, [Alteryx Embedded Python](#).

Consider Jupyter Flow in the future

Best practice: to prevent Workflows from sharing the same Python environment, use Jupyter Flow. These environments will not be impacted by Server upgrades (unless the underlying Python version is updated). Jupyter Flow requires more setup to use in a Workflow, so using the Python Tool may still be best for very short Python scripts used by non-Python developers.

[Jupyter Flow Help](#)

[Introducing the Jupyter Flow Tool](#) (779654 / 781622)

[Jupyter Flow Basics Guide](#) (778947)

How do users install packages in the shared Python environment?

[How To Use Alteryx installPackages\(\) in Python tool](#) (406244)

PREP WORK

Questions and Steps

Considerations and Links

Get list of installed Python packages

[How To Create a Text File for Backing up Designer Python](#) (757448)

UPGRADE

Questions and Steps

Considerations and Links

Restore Python packages

[How To Create a Text File for Backing up Designer Python](#) (757448)

Has the Embedded Python Version changed?

Find the Python Version used by your Server version, [Alteryx Embedded Python](#)
If the Python version changes in the Server upgrade, notify your users so they can retest code.

Do you have multiple Worker nodes on AWS?

Use an Alteryx utility script to replicate the shared Python environment across your Workers.
Contact Joe Kribs in Customer Support for more information.