

Creating the Repository - Python Automation

This page explains the Python script responsible for creating Azure Repositories.

Overview

This Jenkins job utilizes a Python script to generate Azure Repositories within Abbvie Azure DevOps. The input for this script is sourced from the "OAD_Azure_RepoCreation_List.CSV" file. It is crucial to ensure that the repository names commence with "abbvie-ous-" as repositories will not be generated otherwise.

Functionality

The Jenkins job performs the following key functions:

Azure Repository Generation:

Utilizes a Python script to dynamically create Azure Repositories based on information provided in the "OAD_Azure_RepoCreation_List.CSV" file.

Input Source:

Takes input from the "OAD_Azure_RepoCreation_List.CSV" file, specifying the repository names and associated details.

Validation:

Ensures that repository names commence with "abbvie-ous-" for successful repository generation.

Script Details

Script Author:

Authored by Kumar, Sasi.

Authentication:

The script relies on Azure Personal Access Token (PAT) authentication. The current PAT is set to expire on **March 18, 2024, at 9 AM CST**.

Usage Instructions

Triggering the Job:

Manually trigger the Jenkins job through the Jenkins interface or as part of an automated pipeline.

Input Source:

Ensure that the "OAD_Azure_RepoCreation_List.CSV" file is populated with the necessary repository details.

Output:

The resulting data is stored in a "OAD_Azure_RepoCreation_Extracts.CSV" file containing repository names and their corresponding URLs.

Dependencies

This Jenkins job has the following dependencies:

- Python (version 3.11)
- Azure Personal Access Token (PAT) with the necessary permissions

Example Usage

Manual Trigger:

Manually trigger the Jenkins job through the Jenkins interface or as part of an automated pipeline.

Review Output:

Check the Jenkins job console output for any errors or issues during the Azure Repository generation process.

Additional Notes

Validation Check:

It is crucial to ensure that repository names commence with "abbvie-ous-" to successfully generate the Azure Repositories.

Token Expiry:

The current Azure Personal Access Token (PAT) is set to expire on **March 18, 2024, at 9 AM CST**. Ensure timely renewal to avoid disruptions in authentication.

Script Maintenance:

Regularly review and update the script as needed to accommodate changes in repository configurations or access protocols.