



# **System Provisioning and Configuration Management LAB**

SUBMITTED TO

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Btech CSE DevOps B1

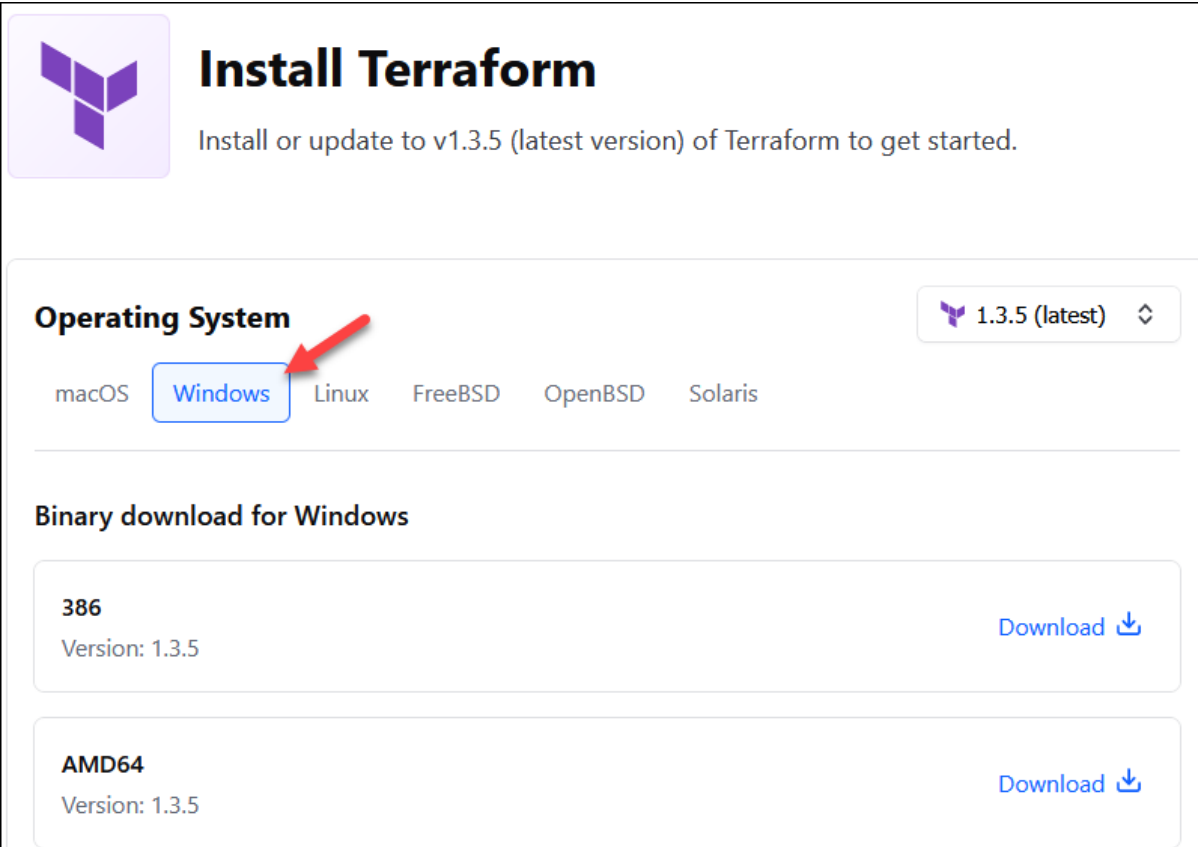
# Lab Exercise 1– Install Terraform on Windows

Installing Terraform on Windows requires you to download the correct Terraform package, unpack, and execute it via the [CLI](#). Follow the instructions below to ensure you do not miss any steps.

## Download Terraform File for Windows

To find the latest version of Terraform for Windows:



1. Browse to the [Download Terraform](#) page.
2. Select the Windows tab under the **Operating System** heading. The latest version is preselected.



The screenshot shows the 'Install Terraform' page. At the top, there is a purple Terraform logo and the heading 'Install Terraform'. Below this, it says 'Install or update to v1.3.5 (latest version) of Terraform to get started.' Under the 'Operating System' heading, there are tabs for macOS, Windows, Linux, FreeBSD, OpenBSD, and Solaris. The 'Windows' tab is selected and highlighted with a red box and a red arrow. To the right of the tabs, there is a dropdown menu showing '1.3.5 (latest)'. Below the operating system tabs, there is a section titled 'Binary download for Windows'. This section contains two download options: '386' and 'AMD64'. Each option shows 'Version: 1.3.5' and a 'Download' button with a download icon.

Operating System	Version	Download
macOS		
<b>Windows</b>		
Linux		
FreeBSD		
OpenBSD		
Solaris		

Binary download for Windows	Download
<b>386</b> Version: 1.3.5	Download 
<b>AMD64</b> Version: 1.3.5	Download 

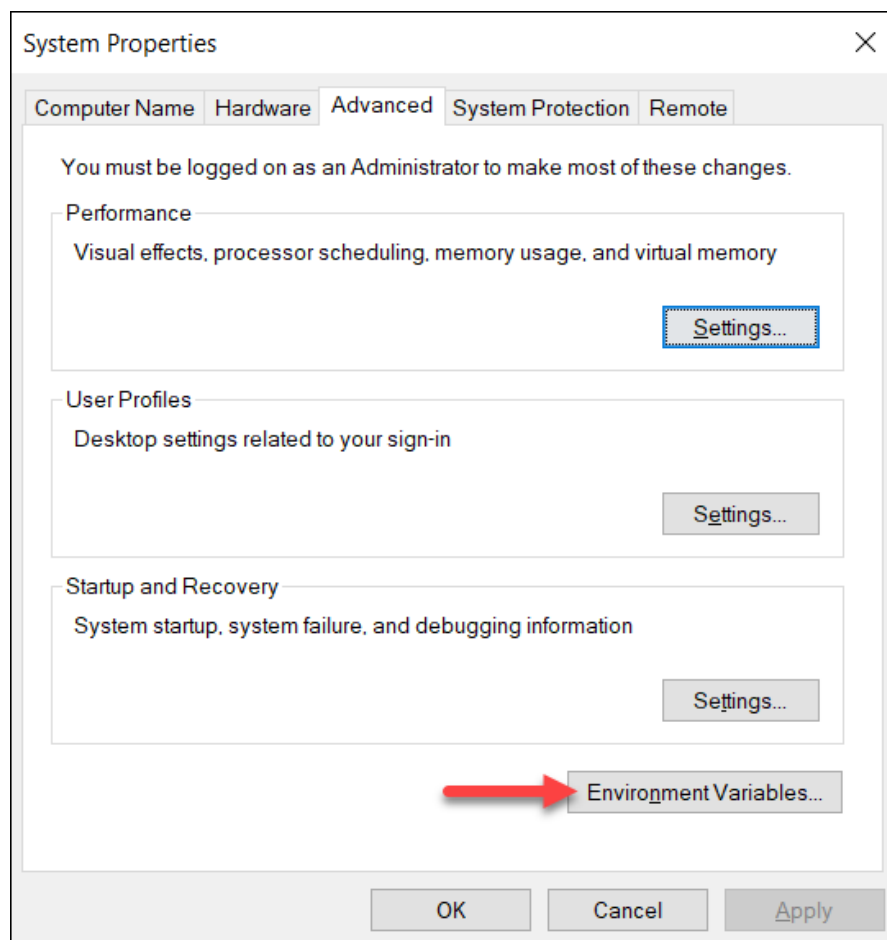
3. Choose the binary to download. Select 386 for 32-bit systems or [AMD64](#) for 64-bit systems. Choose the download location for the zip file if the download does not start automatically.

4. Unzip the downloaded file. For example, use the `C:\terraform` path. Remember this location so you can add the path to the environment variables.

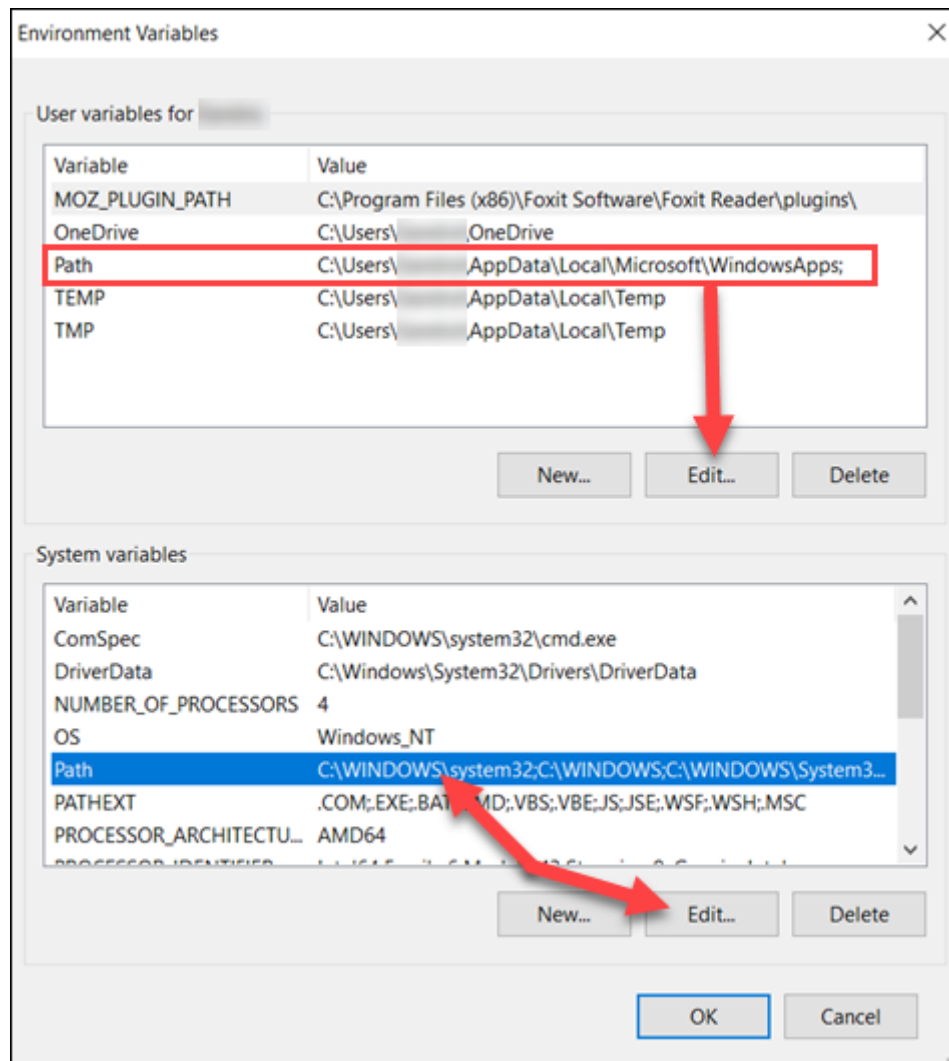
## Add Terraform Path to System Environment Variables

To add the Terraform executable to the system's global path:

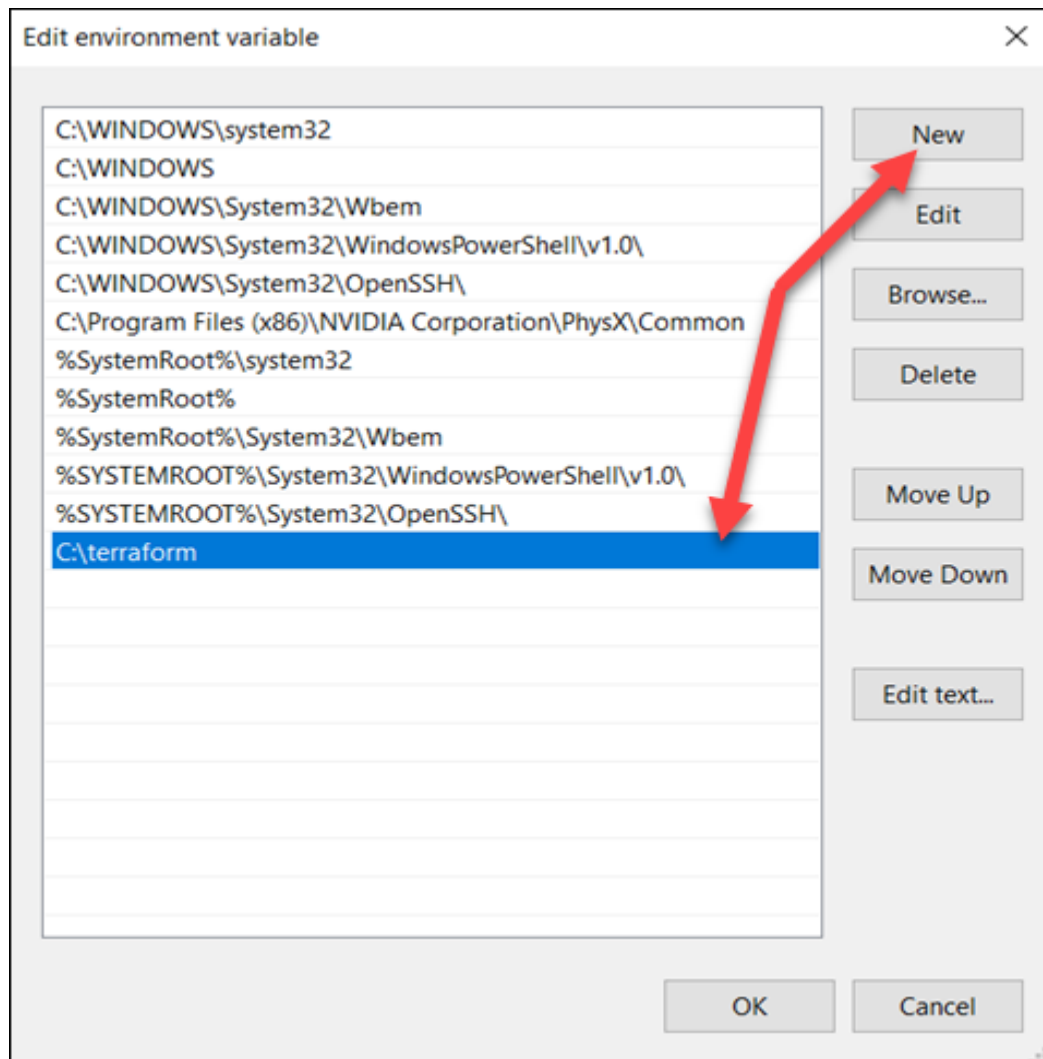
1. Open the start menu, start typing *environment* and click **Edit system environment variables**. The System Properties window opens.
2. Click the **Environment Variables...** button.



3. Select the **Path variable** in the System variables section to add terraform for all accounts. Alternatively, select **Path** in the **User variables** section to add terraform for the currently logged-in user only. Click **Edit** once you select a Path.



4. Click **New** in the edit window and enter the location of the Terraform folder.



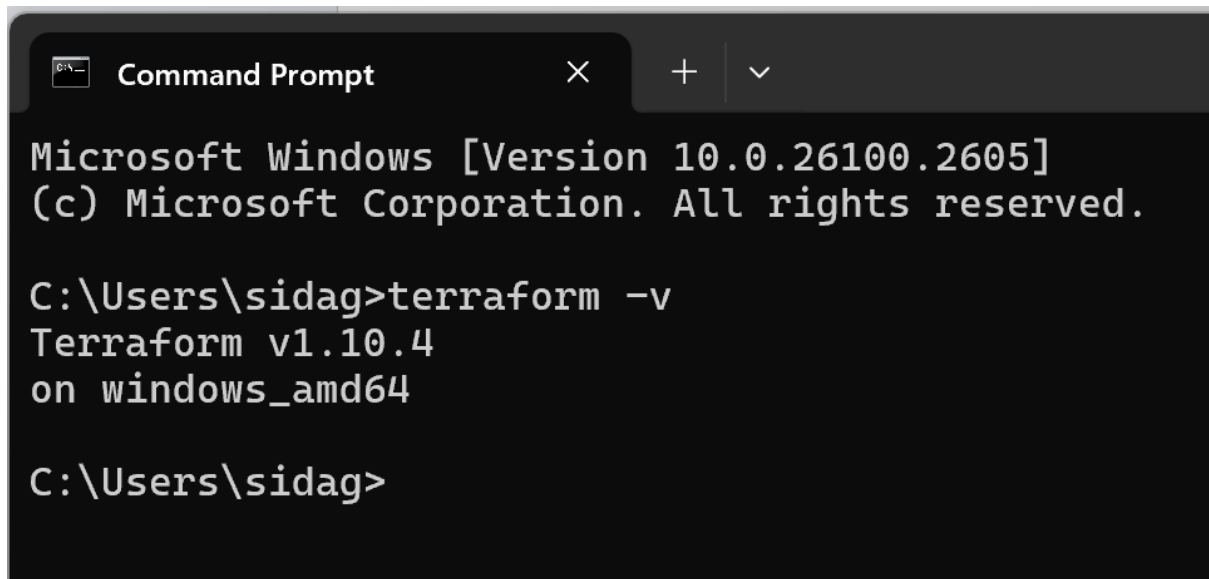
5. Click **OK** on all windows to apply the changes.

## Verify Windows Terraform Installation

To check the Terraform global path configuration:

1. Open a new command-prompt window.
2. Enter the command to check the Terraform version: `terraform -version`

```
terraform -version
```

A screenshot of a Windows Command Prompt window. The title bar at the top says "Command Prompt" with standard window controls (close, maximize, minimize). The window has a black background with white text. The text inside shows the Windows version information, the user's current directory, and the output of the 'terraform -v' command.

```
Microsoft Windows [Version 10.0.26100.2605]
(c) Microsoft Corporation. All rights reserved.

C:\Users\sidad>terraform -v
Terraform v1.10.4
on windows_amd64

C:\Users\sidad>
```

The output shows the Terraform version you downloaded and installed on your Windows machine.