

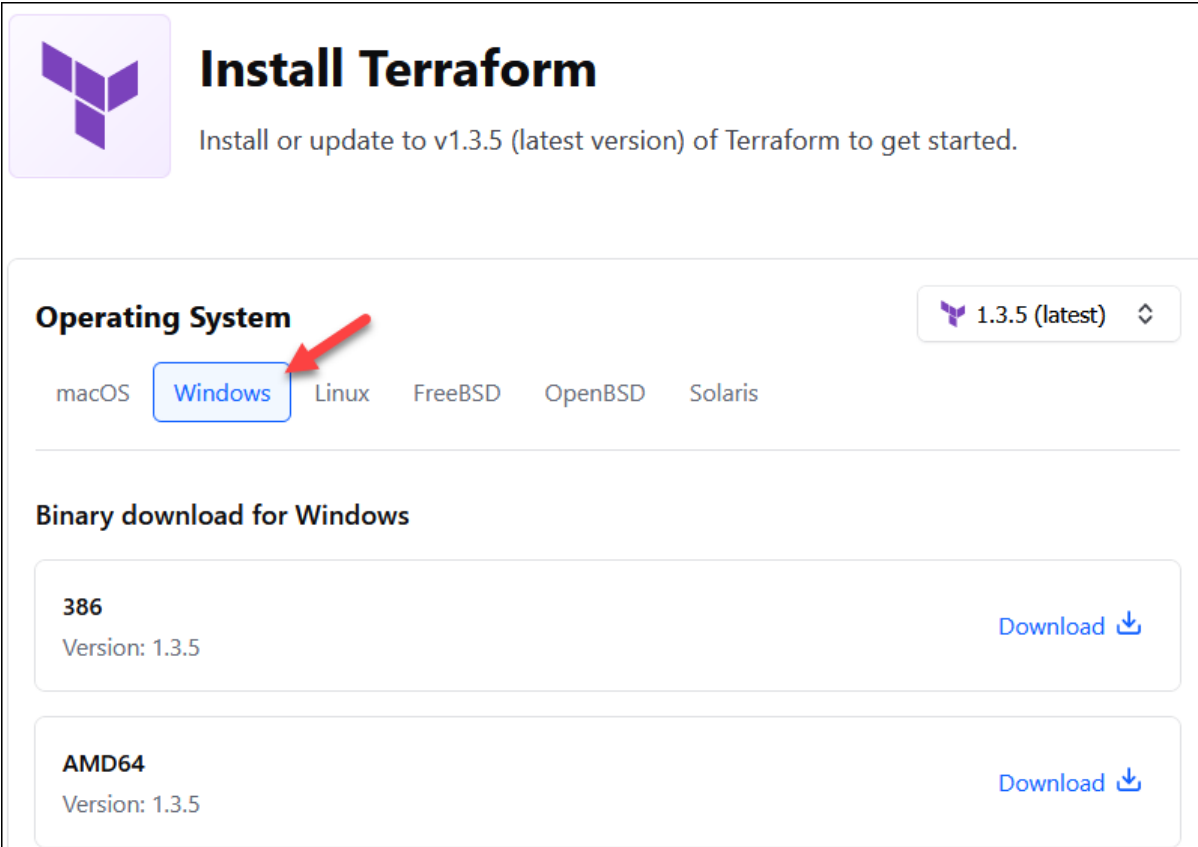
## Lab Exercise 1– Install Terraform on Windows

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's a purple Terraform logo and the title 'Install Terraform'. Below the title, 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 arrow. To the right of the tabs, there's a dropdown menu showing '1.3.5 (latest)'. Below the operating system tabs, there's a section titled 'Binary download for Windows'. It contains two download options: '386' and 'AMD64', both with '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	
<b>386</b> Version: 1.3.5	Download 
<b>AMD64</b> Version: 1.3.5	Download 

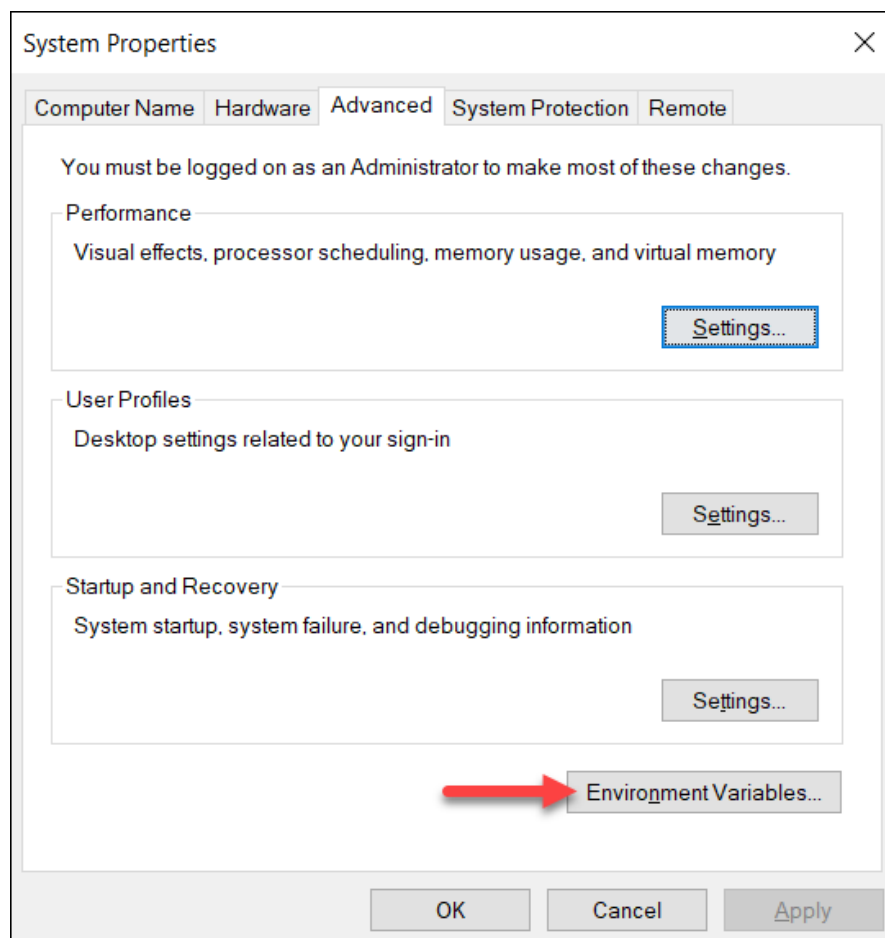
3. Choose the binary to download. Select 386 for 32-bit systems or AMD64 for 64-bit systems. Choose the download location for the zip file if the download does not start automatically.

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.

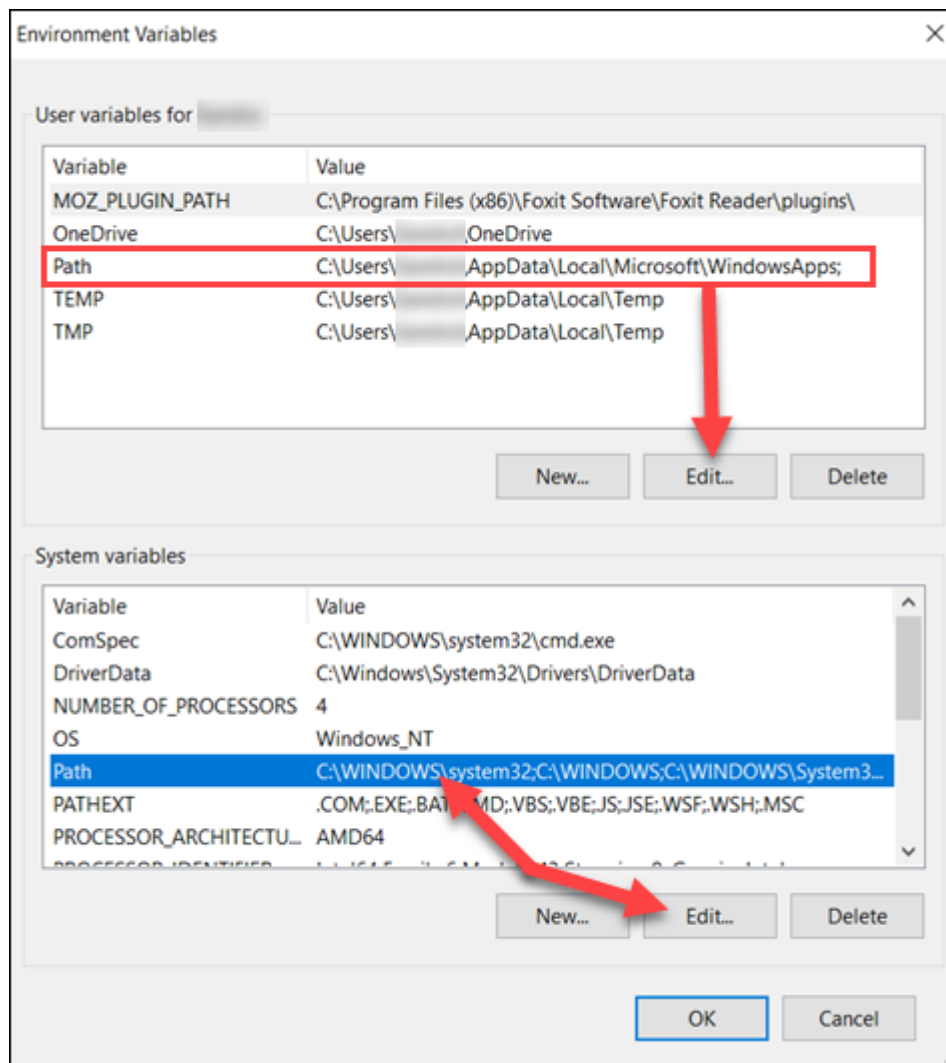
## Add Terraform Path to System Environment Variables

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

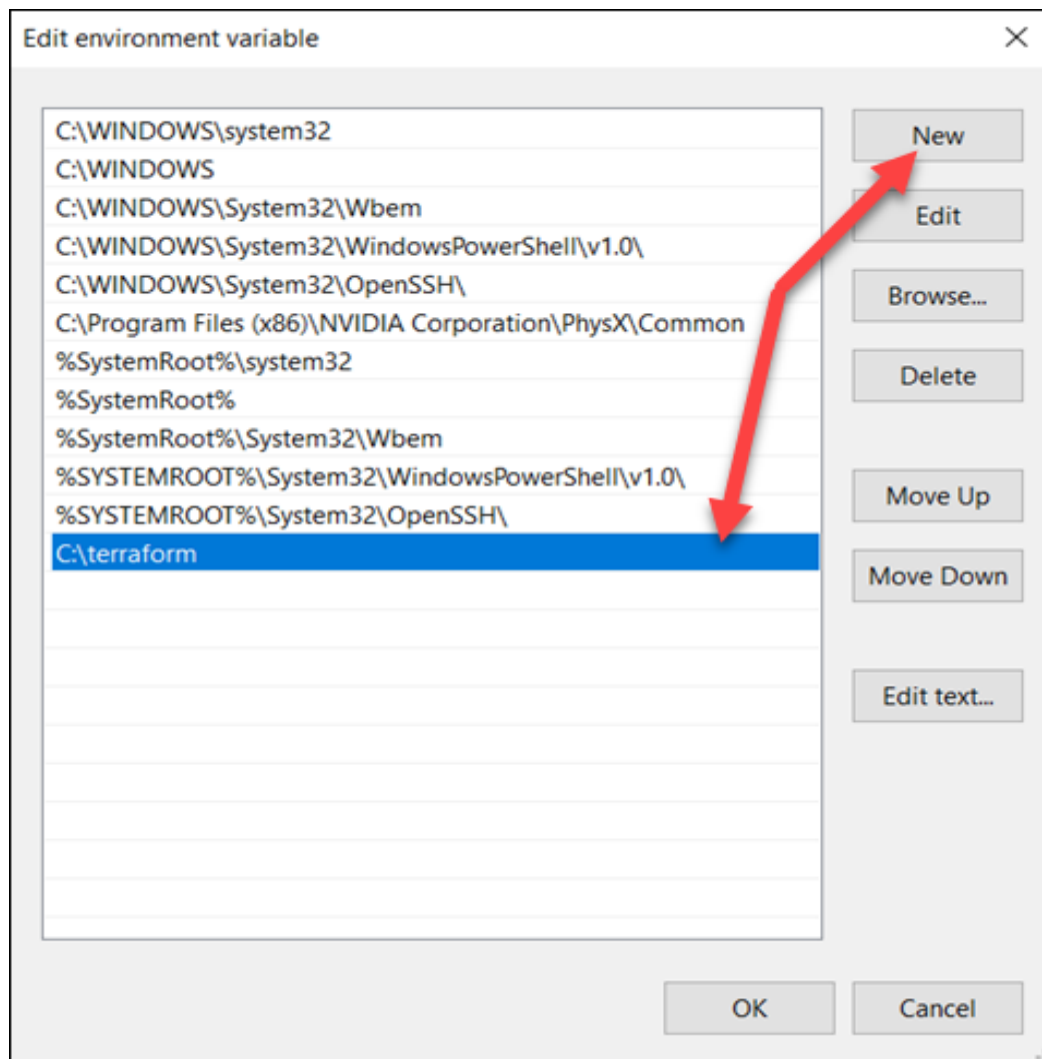
1. Open the start menu, start typing *environment* and click **Edit system environment variables**. The System Properties window opens.
2. Click the **Environment Variables...** button.



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
```

```
(base) aryanbansal@Aryans-MacBook-Air-10 ~ % brew tap hashicorp/tap
brew install hashicorp/tap/terraform
==> Auto-updating Homebrew...
Adjust how often this is run with HOMEBREW_AUTO_UPDATE_SECS or disable with
HOMEBREW_NO_AUTO_UPDATE. Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).
Installing from the API is now the default behaviour!
You can save space and time by running:
  brew untap homebrew/core
==> Auto-updated Homebrew!
Updated 2 taps (homebrew/core and homebrew/cask).
==> New Formulae
netatalk
==> New Casks
satdump

You have 47 outdated formulae and 2 outdated casks installed.

==> Fetching hashicorp/tap/terraform
==> Downloading https://releases.hashicorp.com/terraform/1.10.4/terraform_1.10.4_darwin_arm64.tar.gz
#####
==> Installing terraform from hashicorp/tap
📦 /opt/homebrew/Cellar/terraform/1.10.4: 5 files, 84.6MB, built in 1 second
==> Running `brew cleanup terraform`...
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.
Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).
(base) aryanbansal@Aryans-MacBook-Air-10 ~ % terraform -v
Terraform v1.10.4
on darwin_arm64
(base) aryanbansal@Aryans-MacBook-Air-10 ~ %
```

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