

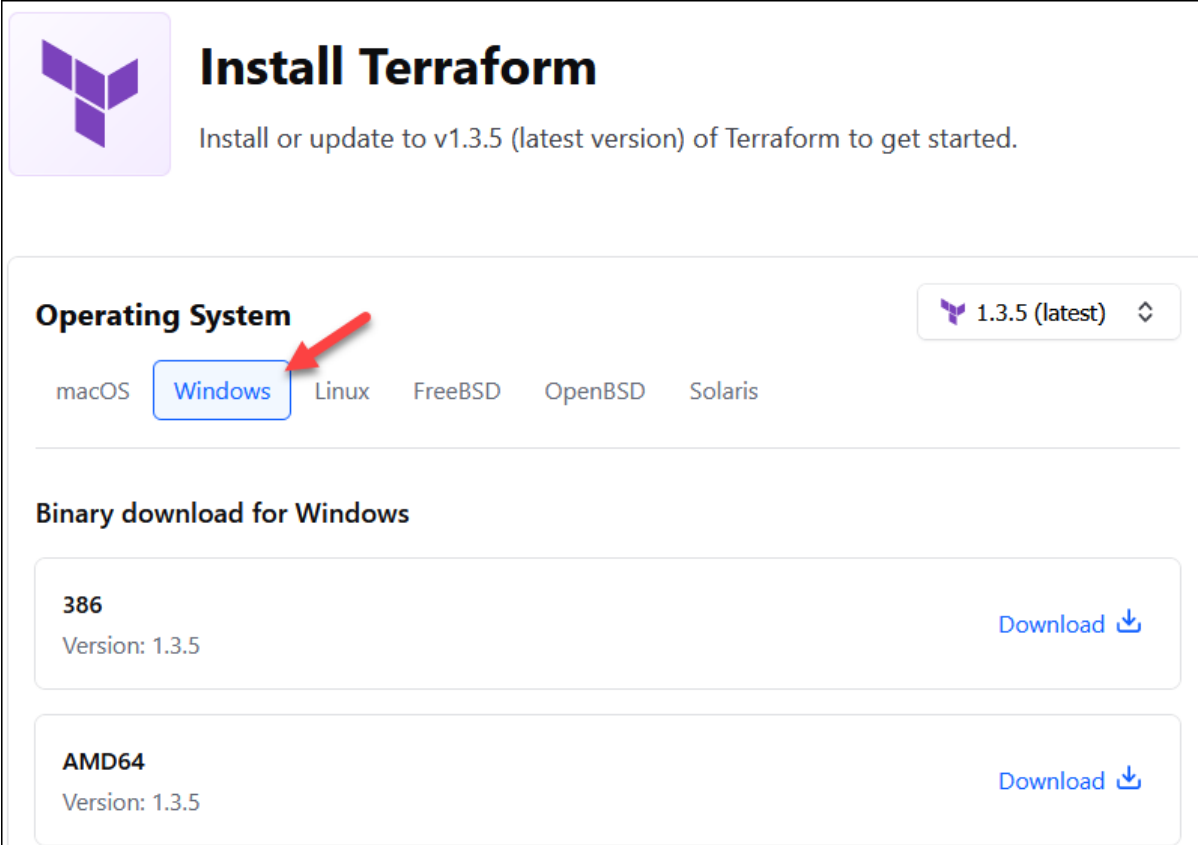
## Lab Exercise 1– Install Terraform on Windows

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 heading 'Install Terraform'. Below it, a subtitle says 'Install or update to v1.3.5 (latest version) of Terraform to get started.' The main section is titled 'Operating System' and features several tabs: 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)' with a double arrow icon. Below the 'Operating System' section, there's a heading 'Binary download for Windows'. Under this heading, there are 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 

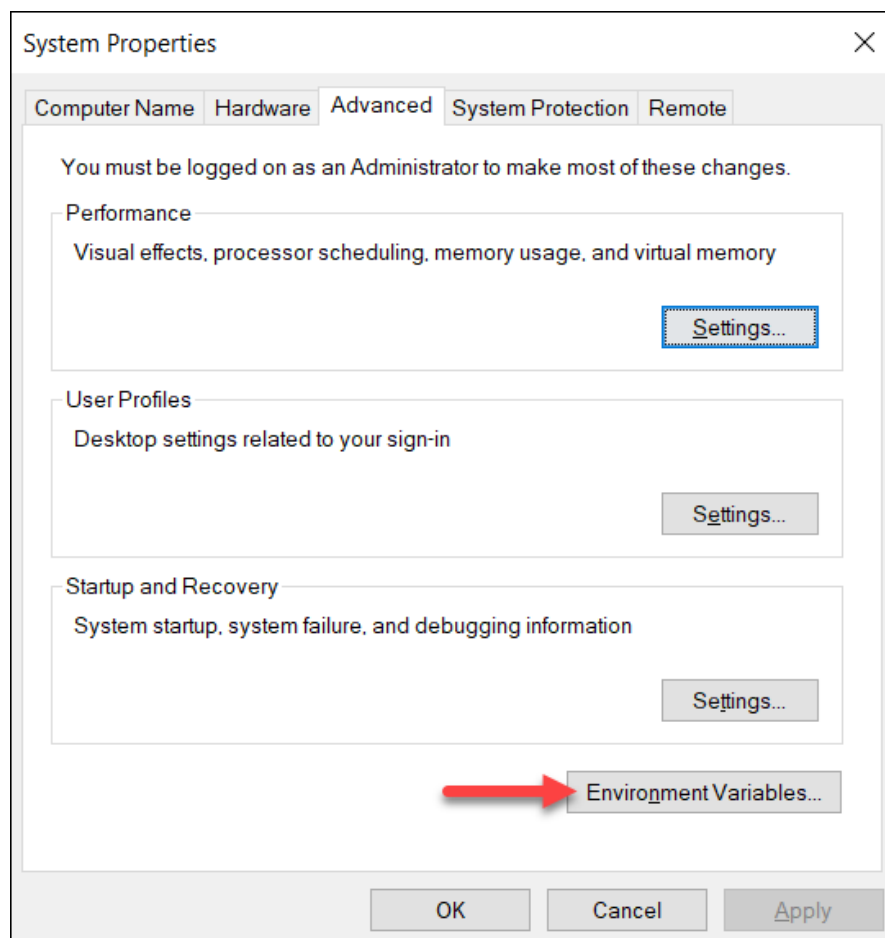
3. Choose the binary to download. Select 386 for 32-bit systems or AMD64 for 64-bit systems. Choose the download location for the zip file if the download does not start automatically.

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.

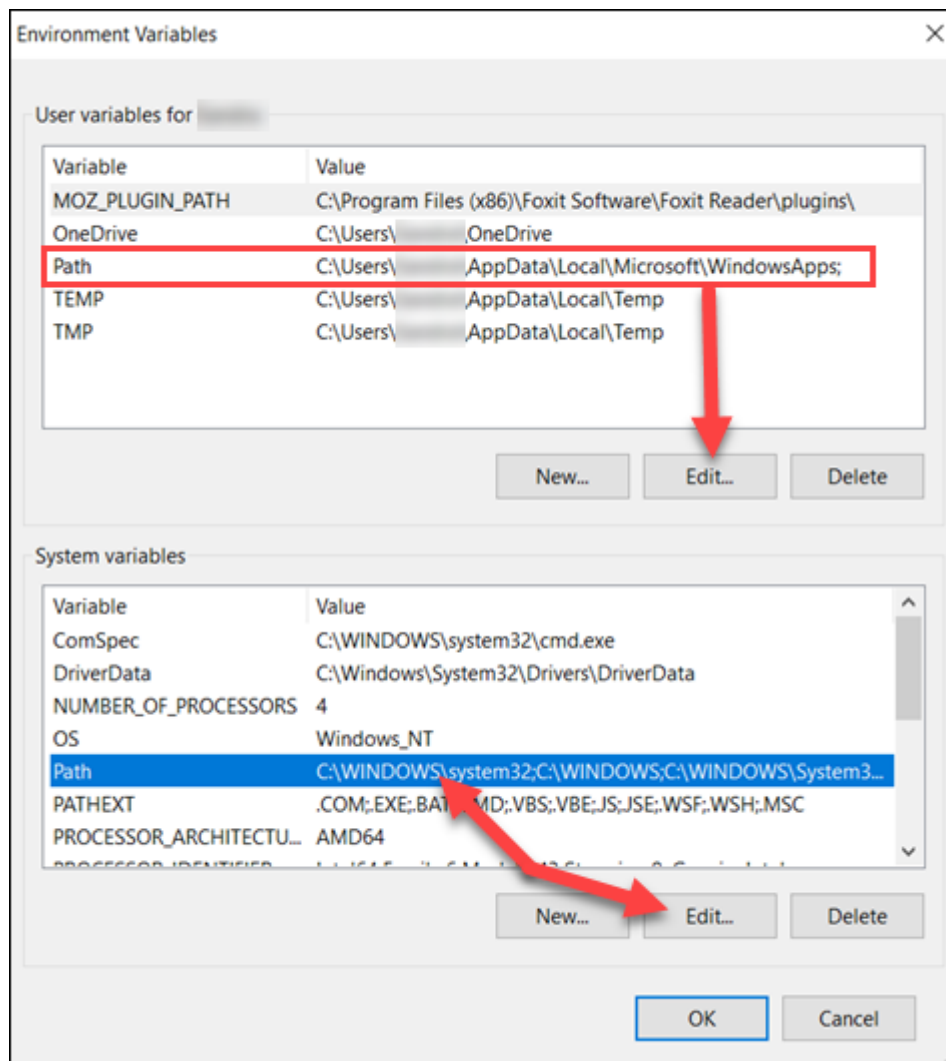
## Add Terraform Path to System Environment Variables

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

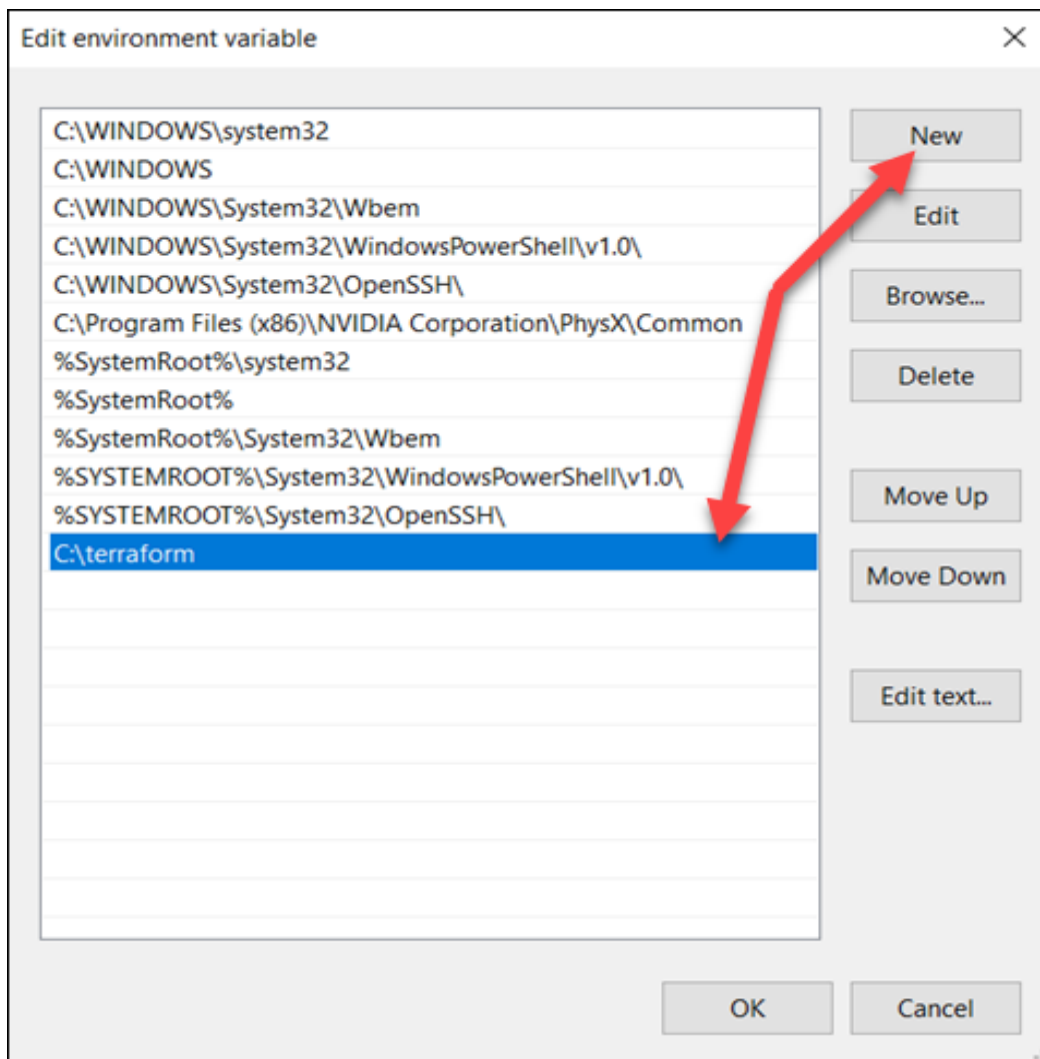
1. Open the start menu, start typing *environment* and click **Edit system environment variables**. The System Properties window opens.
2. Click the **Environment Variables...** button.



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.



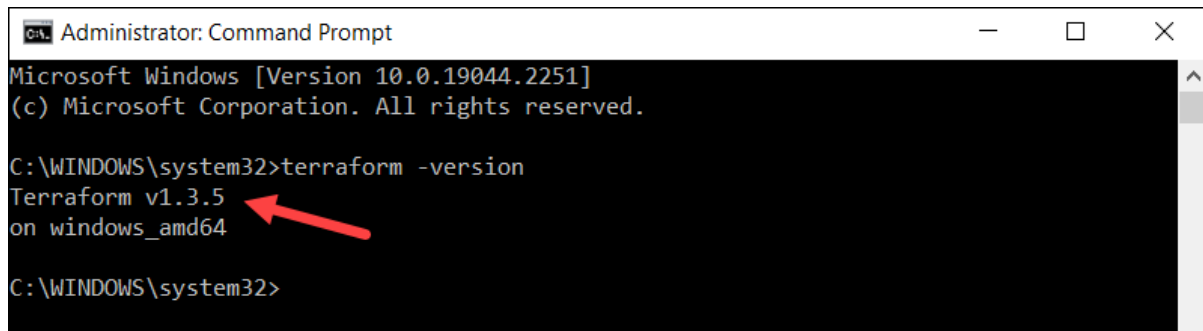
5. Click **OK** on all windows to apply the changes.

## 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
```



```

Administrator: Command Prompt
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>terraform -version
Terraform v1.3.5
on windows_amd64

C:\WINDOWS\system32>

```

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

```

palakgupta@Palaks-MacBook-Air ~ % brew tap hashicorp/tap
==> Tapping hashicorp/tap
Cloning into '/opt/homebrew/Library/Taps/hashicorp/homebrew-tap'...
remote: Enumerating objects: 5156, done.
remote: Counting objects: 100% (575/575), done.
remote: Compressing objects: 100% (208/208), done.
remote: Total 5156 (delta 472), reused 373 (delta 367), pack-reused 4581 (from 3)
Receiving objects: 100% (5156/5156), 944.97 KiB | 2.27 MiB/s, done.
Resolving deltas: 100% (3446/3446), done.
Tapped 2 casks and 32 formulae (92 files, 1.2MB).
palakgupta@Palaks-MacBook-Air ~ % brew install hashicorp/tap/terraform
==> Downloading https://formulae.brew.sh/api/formula_tap_migrations.jws.json
#####
==> Downloading https://formulae.brew.sh/api/cask_tap_migrations.jws.json
#####
==> Fetching hashicorp/tap/terraform
==> Downloading https://releases.hashicorp.com/terraform/1.10.4/terraform_1.10.4_darwin_arm64.zip
#####
==> Installing terraform from hashicorp/tap
Warning: A newer Command Line Tools release is available.
Update them from Software Update in System Settings.

If that doesn't show you any updates, run:
  sudo rm -rf /Library/Developer/CommandLineTools
  sudo xcode-select --install

Alternatively, manually download them from:
  https://developer.apple.com/download/all/.
You should download the Command Line Tools for Xcode 15.2.

==> Downloading https://formulae.brew.sh/api/formula.jws.json
#####
==> Downloading https://formulae.brew.sh/api/cask.jws.json
#####
📦 /opt/homebrew/Cellar/terraform/1.10.4: 5 files, 84.6MB, built in 12 seconds
==> Running `brew cleanup terraform`...
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.
Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).
palakgupta@Palaks-MacBook-Air ~ % terraform --version
Terraform v1.10.4
on darwin_arm64
palakgupta@Palaks-MacBook-Air ~ %

```