

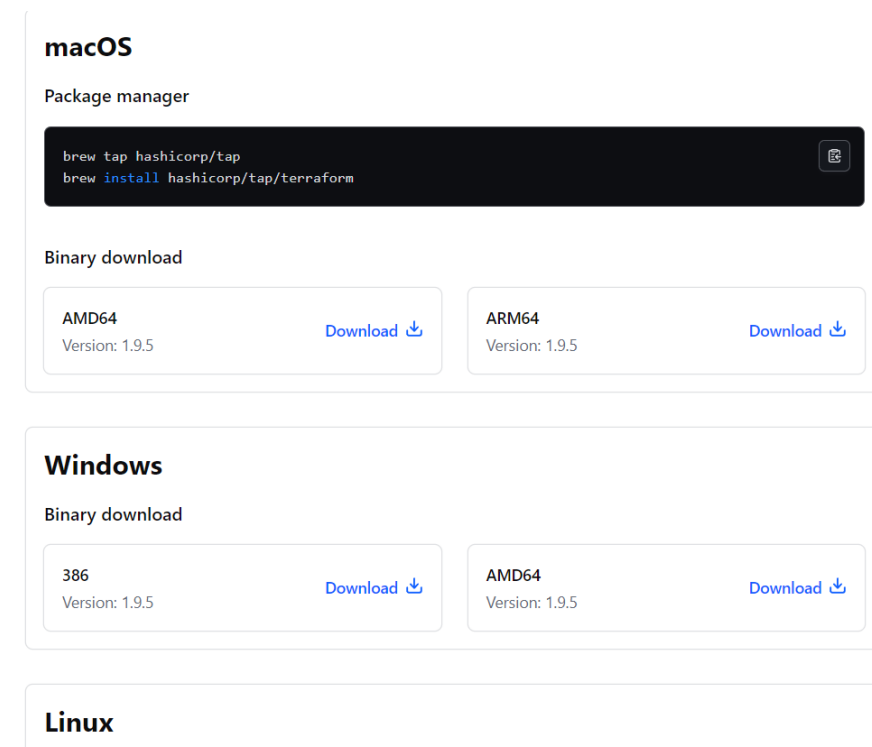
Experiment 5

A) Installation and Configuration of Terraform in Windows

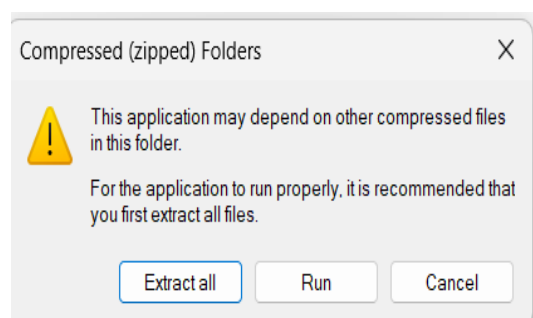
Step 1: Download terraform

Download Terraform First, head over to Terraform's official website Select the version that matches your Windows operating system either 32-bit or 64-bit.

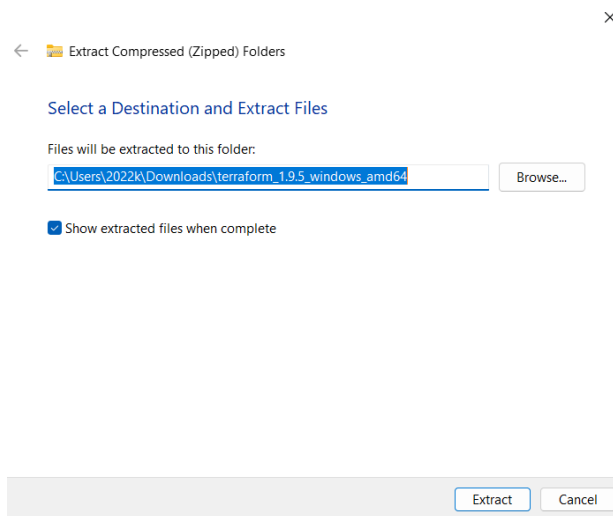
Website :<https://www.terraform.io/downloads.html>



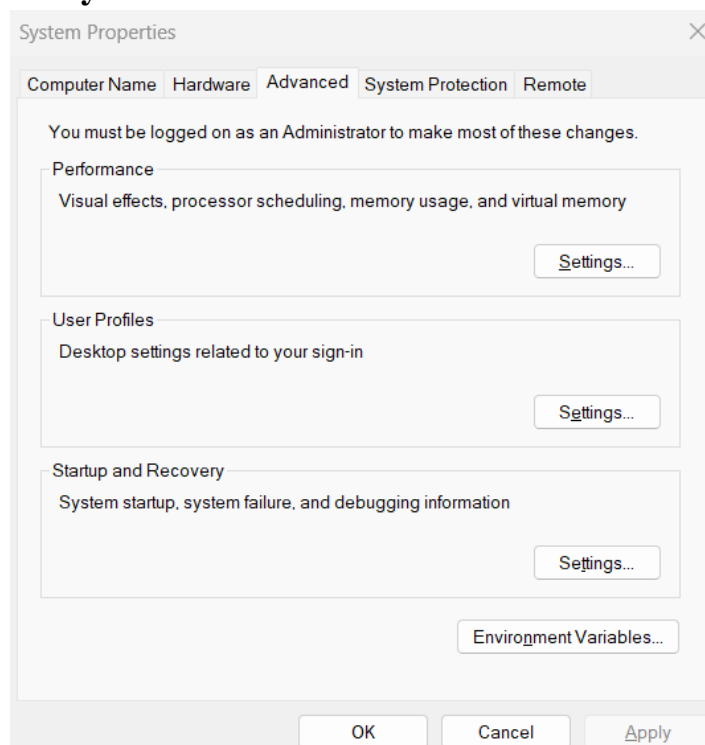
Step 2: Extract the downloaded setup.



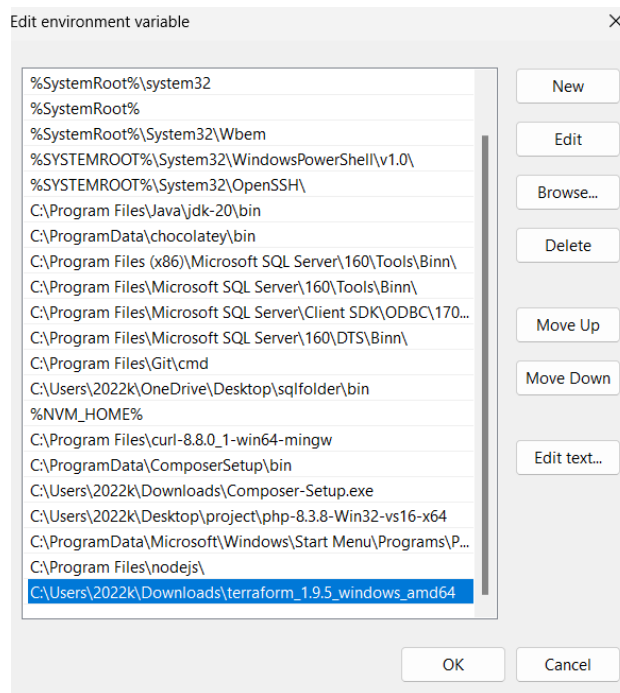
Once the download is complete, unzip the Terraform.exe file and place it in a folder, such as C:\Terraform.



Step 3: Update System Path.

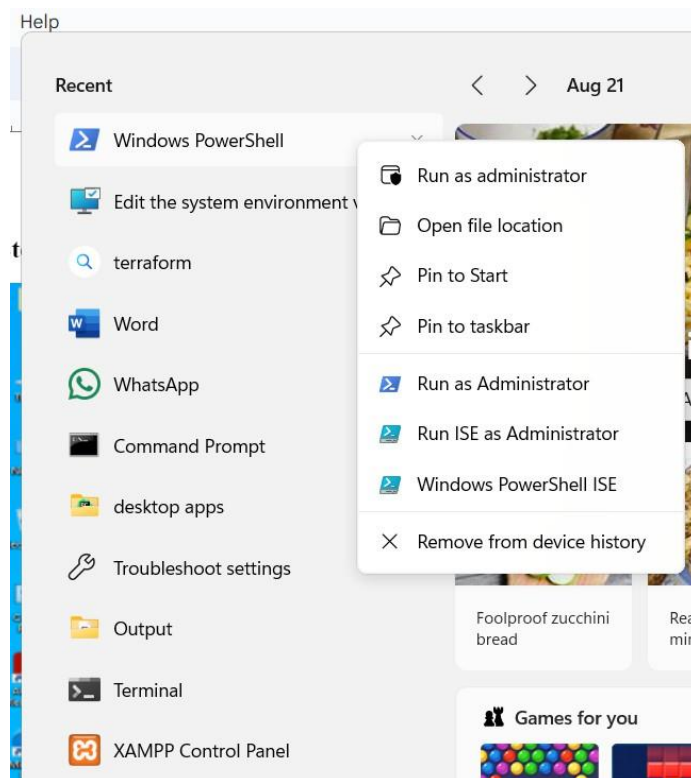


Next, you'll need to add the directory where Terraform.exe is located to your system's Environment Variables. This will allow you to run Terraform from any command line prompt.



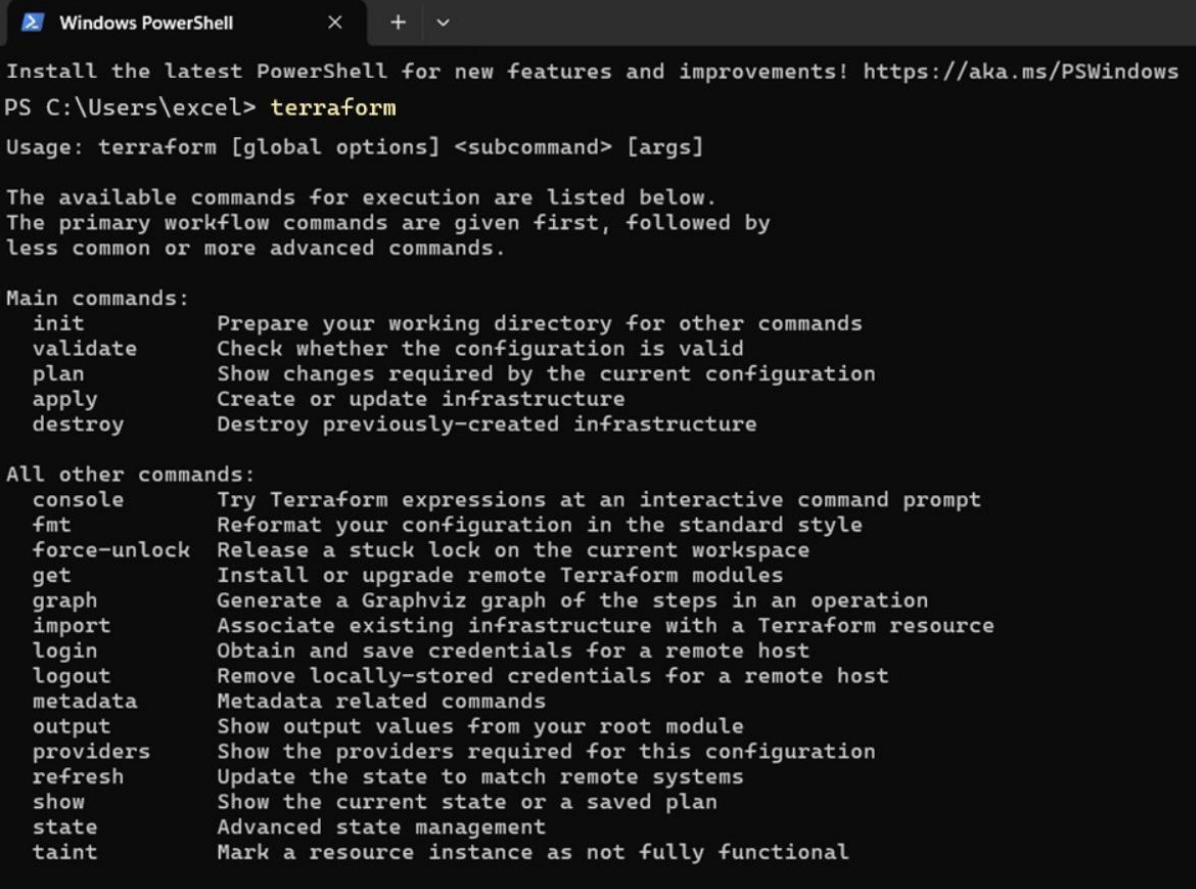
Step 4: Open PowerShell with Administrator Rights

Open PowerShell with administrative access to proceed with the setup.



Step 5 :Test the Installation using cmd.

Type terraform into PowerShell to verify that the installation was successful.



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Windows PowerShell
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\excel> terraform

Usage: terraform [global options] <subcommand> [args]

The available commands for execution are listed below.
The primary workflow commands are given first, followed by
less common or more advanced commands.

Main commands:
  init          Prepare your working directory for other commands
  validate      Check whether the configuration is valid
  plan          Show changes required by the current configuration
  apply         Create or update infrastructure
  destroy       Destroy previously-created infrastructure

All other commands:
  console       Try Terraform expressions at an interactive command prompt
  fmt           Reformat your configuration in the standard style
  force-unlock  Release a stuck lock on the current workspace
  get           Install or upgrade remote Terraform modules
  graph         Generate a Graphviz graph of the steps in an operation
  import        Associate existing infrastructure with a Terraform resource
  login         Obtain and save credentials for a remote host
  logout        Remove locally-stored credentials for a remote host
  metadata      Metadata related commands
  output        Show output values from your root module
  providers     Show the providers required for this configuration
  refresh       Update the state to match remote systems
  show          Show the current state or a saved plan
  state         Advanced state management
  taint         Mark a resource instance as not fully functional
```