

ADVANCE DEVOPS EXP 5

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D15A - 24

Aim: To understand terraform lifecycle, core concepts/terminologies and install it on a Linux Machine and Windows.

Installation for Windows:

Step 1: Go to the website terraform.io and install Terraform from there..Select the AMD64 option for Windows and download Terraform.

The image displays two screenshots of the Terraform installation page on the website `developer.hashicorp.com/terraform/install`.

Top Screenshot (macOS):

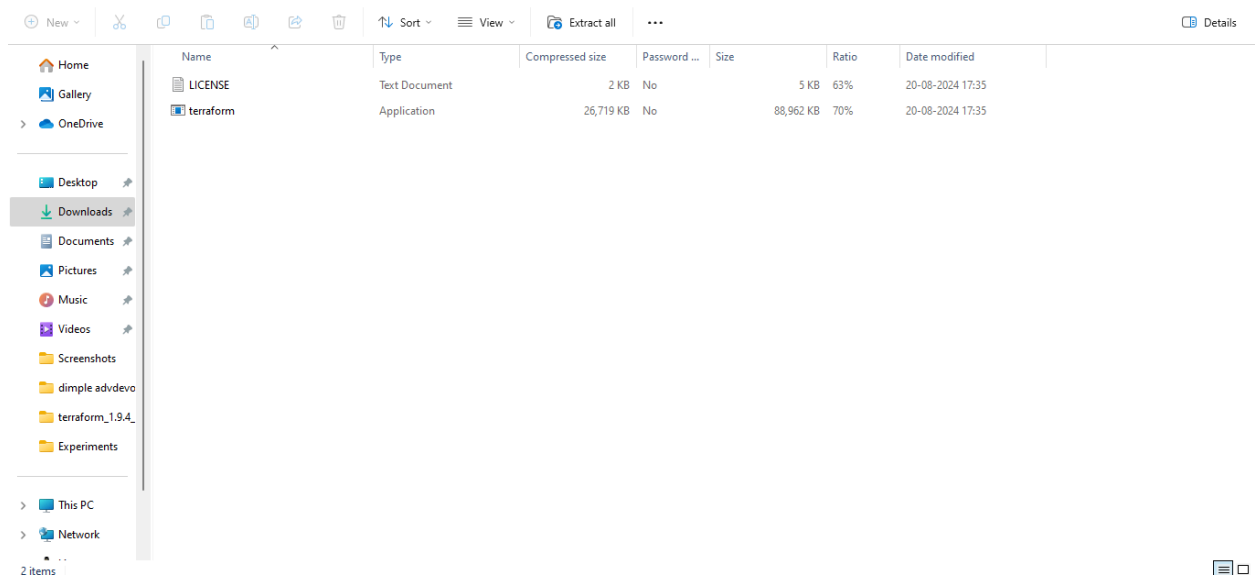
- The page title is "Install Terraform" with a version selector set to "1.9.5 (latest)".
- The left sidebar shows "macOS" selected under "Operating Systems".
- The main content area for macOS includes:
 - Package manager:** A code block showing the commands:

```
brew tap hashicorp/tap
brew install hashicorp/tap/terraform
```
 - Binary download:** Two buttons for "AMD64" and "ARM64".
- The right sidebar contains "About Terraform" and "Featured docs".

Bottom Screenshot (Windows):

- The page title is "Install Terraform" with a version selector set to "1.9.5".
- The left sidebar shows "Windows" selected under "Operating Systems".
- The main content area for Windows includes:
 - Binary download:** Two buttons for "386" and "AMD64", both showing "Version: 1.9.5".
- The right sidebar contains "About Terraform" and "Featured docs".

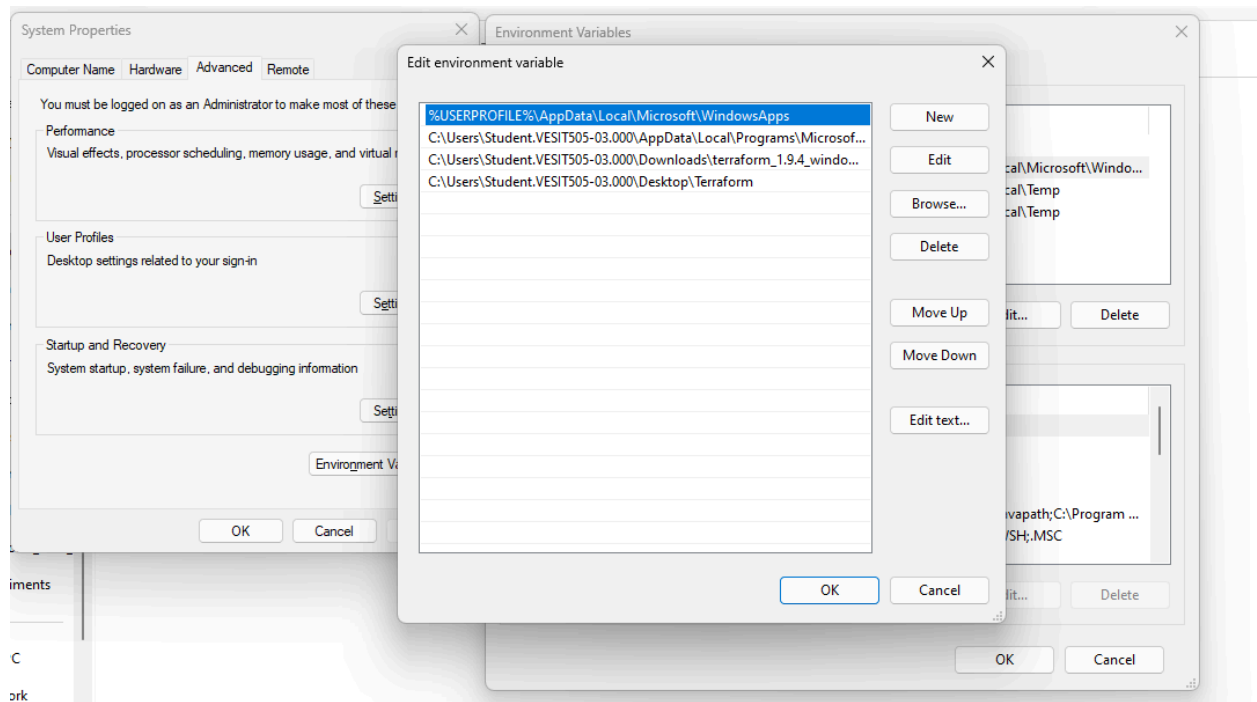
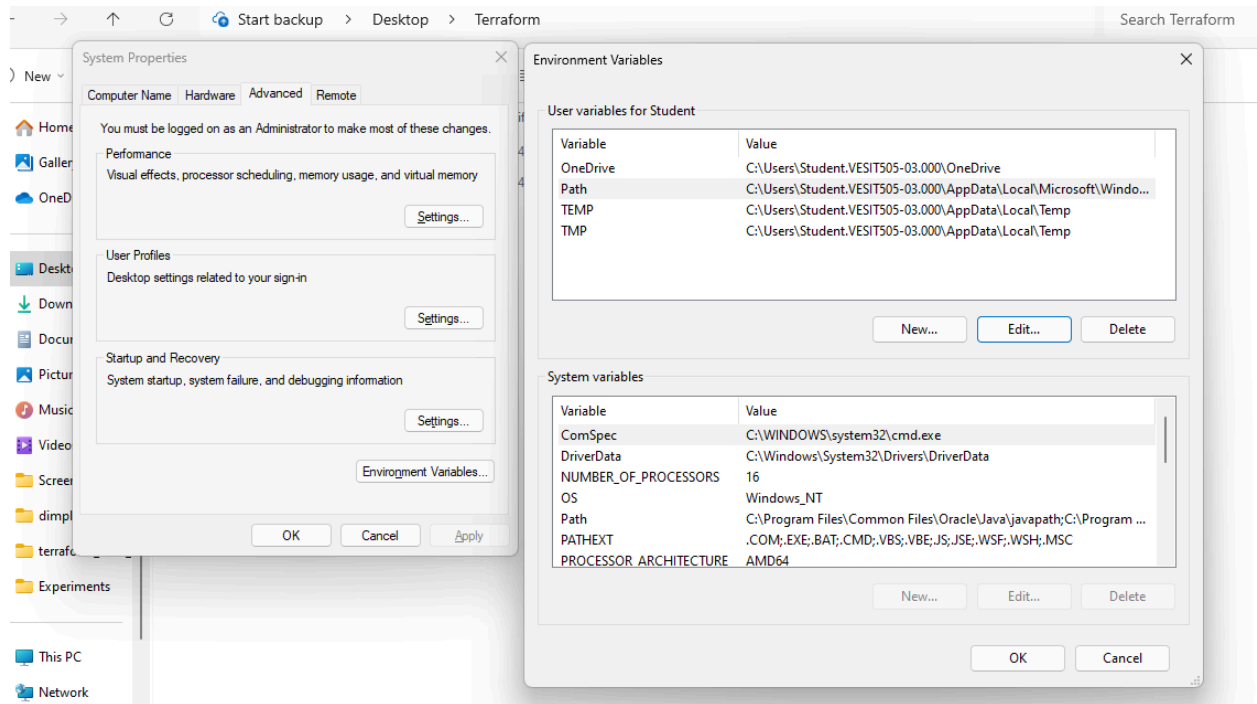
Step 2:Go to the zip file where Terraform is installed.



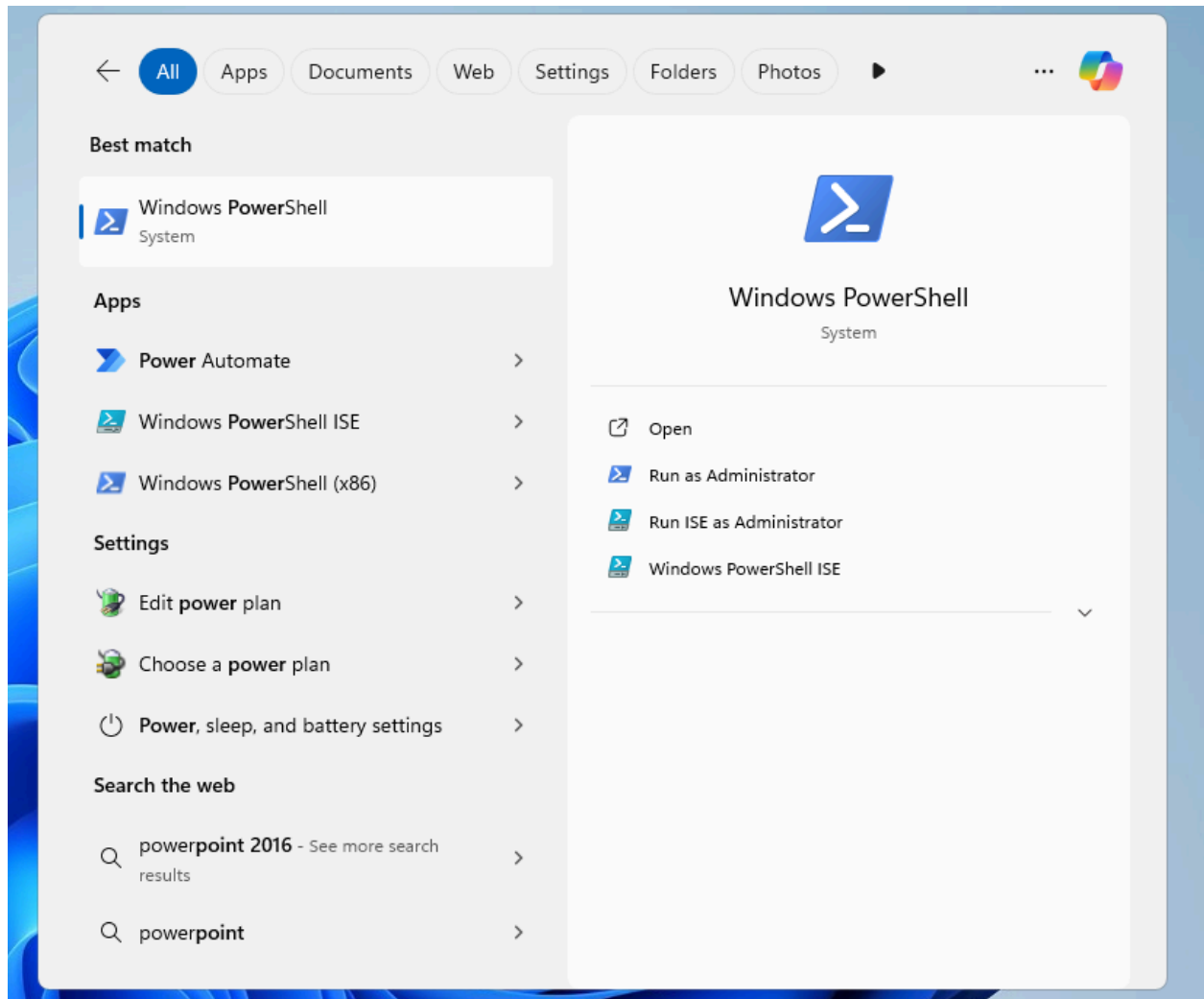
Step 3:Since the installed file is a zip file,create a new folder on desktop and copy the installed terraform application there.

Terraform	22-08-2024 14:24	File folder
VAISHNAVI	31-07-2024 14:07	File folder

Step 4:Now go to search bar,select edit environment variables option,then go to the path option.Now add the file path of the directory wherein we have installed the terraform application.



Step 5: Now go to the folder where we have installed terraform and open Powershell inside it. After this type 'terraform' to make sure that terraform has been installed on the system. The command 'terraform -version' simply checks the current version of terraform that has been installed.



```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Student.VESIT505-03.000\Desktop\Terraform> 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

PS C:\Users\Student.VESIT505-03.000\Desktop\Terraform> terraform --version
Terraform v1.9.4
on windows_386

Your version of Terraform is out of date! The latest version
is 1.9.5. You can update by downloading from https://www.terraform.io/downloads.html
PS C:\Users\Student.VESIT505-03.000\Desktop\Terraform> |
```