

ADVANCE DEVOPS EXP 5

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D15A/50

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

The screenshot shows the Terraform website's installation page for Windows. The left sidebar contains navigation links: Terraform Home, Install Terraform, Operating Systems (macOS, Windows, Linux, FreeBSD, OpenBSD, Solaris), and Release information. The main content area features a terminal snippet for macOS installation, a 'Binary download' section for AMD64 and ARM64, and a 'Windows' section with a 'Binary download' for 386 and AMD64. Each download option includes a 'Download' button with a download icon.

```
brew tap hashicorp/tap
brew install hashicorp/tap/terraform
```

Binary download

Architecture	Version	Download
AMD64	Version: 1.9.5	Download
ARM64	Version: 1.9.5	Download

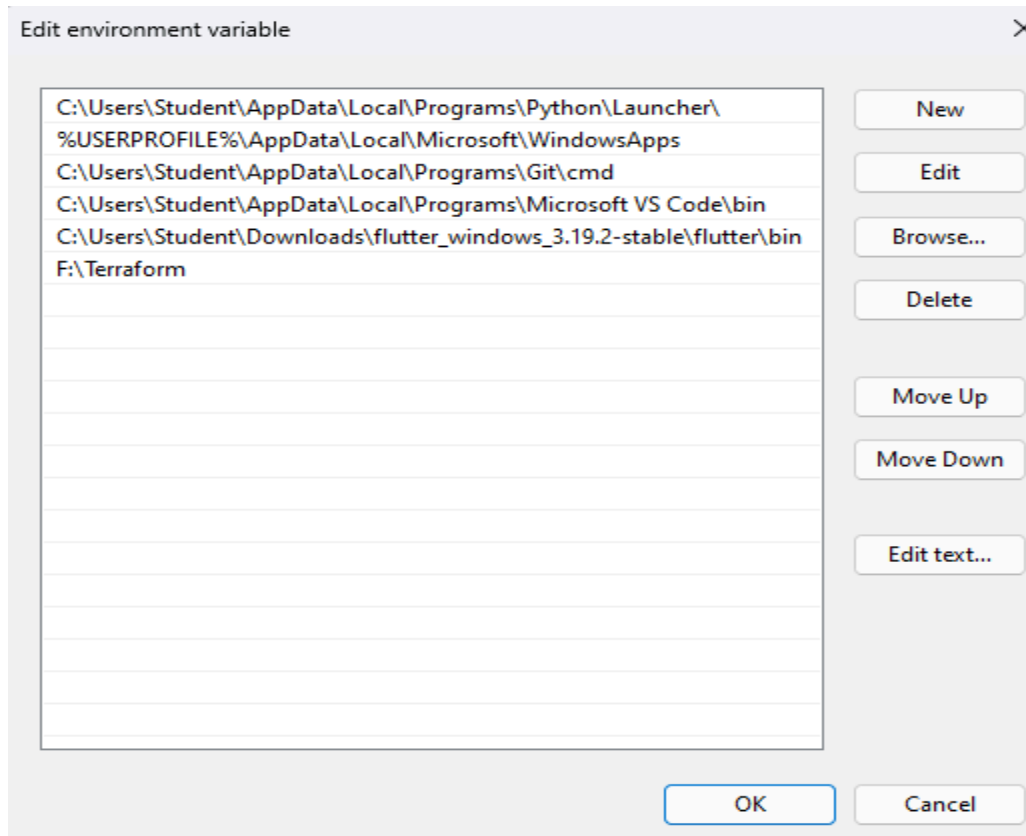
Windows

Binary download

Architecture	Version	Download
386	Version: 1.9.5	Download
AMD64	Version: 1.9.5	Download

The screenshot shows a Windows File Explorer window titled 'terraform_1.9.4_windows_386.zip (evaluation copy)'. The window displays the contents of the ZIP archive, which include a 'terraform.exe' file and a 'LICENSE.txt' file. The 'terraform.exe' file is highlighted, showing its size (86,264,496 bytes), packed size (25,552,114 bytes), type (Application), modified date (07-08-2024 12:27), and CRC32 (8F41788E). The 'LICENSE.txt' file is also visible, showing its size (4,922 bytes), packed size (1,841 bytes), type (Text Document), modified date (07-08-2024 12:26), and CRC32 (946E1554).

Name	Size	Packed	Type	Modified	CRC32
..			File folder		
terraform.exe	86,264,496	25,552,114	Application	07-08-2024 12:27	8F41788E
LICENSE.txt	4,922	1,841	Text Document	07-08-2024 12:26	946E1554



```
PS F:\> 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
  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
  test          Experimental support for module integration testing
  untaint       Remove the 'tainted' state from a resource instance
  version       Show the current Terraform version
  workspace     Workspace management
```