Terraform Installation on Windows using Chocolatey Package Management System
By Kavitha B

Install Terraform | Terraform - HashiCorp Learn

Chocolatey is a free and open-source package management system for Windows. Install the Terraform package from the command-line.

Step 1: Chocolatey Software | Installing Chocolatey

With PowerShell, you must ensure Get-ExecutionPolicy is not Restricted. We suggest using **Bypass** to bypass the policy to get things installed or **AllSigned** for quite a bit more security.

- Run **Get-ExecutionPolicy**. If it returns **Restricted**, then run **Set-ExecutionPolicy AllSigned** or **Set-ExecutionPolicy Bypass -Scope Process**.

Now run the following command:

Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://community.chocolatey.org/install.ps1'))

1. Paste the copied text into your shell and press Enter.
2. Wait a few seconds for the command to complete.
3. If you don't see any errors, you are ready to use Chocolatey!
   Type **choco** or **choco -?** now, or see Getting Started for usage instructions.

Step 2:
choco install terraform

Verify the installation:

Terraform -help
Terraform -help plan

Step 3:

After installing Docker Desktop,

Create a directory named *learn-terraform-docker-container.*

```
$ mkdir learn-terraform-docker-container
$ cd learn-terraform-docker-container
```

main.tf

```
terraform {
 required_providers {
  docker = {
   source  = "kreuzwerker/docker"
   version = ">= 2.13.0"
  }
 }
}

provider "docker" {
 host   = "npipe:////.//pipe//docker_engine"
}

resource "docker_image" "nginx" {
 name       = "nginx:latest"
 keep_locally = false
}

resource "docker_container" "nginx" {
 image = docker_image.nginx.latest
 name  = "tutorial"
 ports {
  internal = 80
  external = 8000
 }
}
```

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terraform init   **terraform apply**
[Welcome to nginx!](#)   **(Localhost:8000)**
Docker ps
Terraform destroy