

1.Setup Windows System to use Terraform - Installing AWS CLI from official website link

The screenshot shows a web browser window displaying the AWS CLI installation guide. The browser's address bar shows the URL `docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html`. The page has a dark header with the AWS logo and navigation links: "Get started", "Service guides", "Developer tools", and "AI resources". A search bar and a "Return to the Console" button are also present. The left sidebar contains a table of contents for the "AWS Command Line Interface" user guide, with "Install/Update" highlighted. The main content area is titled "Install or update the AWS CLI" and explains that users should download a new installer to overwrite previous versions. It provides a link to the AWS CLI MSI installer and an alternative command to run the MSI installer using `msiexec`. Two code blocks show the command: `C:\> msiexec.exe /i https://awscli.amazonaws.com/AWSCLIV2.msi`. The right sidebar contains sections for "On this page" (linking to "AWS CLI install and update instructions") and "Recommended tasks" (linking to "Verify Session Manager plugin installation and test access" and "Install and update the Session Manager plugin on Windows"). The Windows taskbar at the bottom shows the search bar, task view, and several open applications, including Chrome and Edge. The system tray shows the weather as "Morning rain" and the date as "16-09-2025".

docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html

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aws

Get started Service guides Developer tools AI resources

Search in this guide

Return to the Console

AWS Command Line Interface
User Guide for Version 2

- About the AWS CLI
- Get started
 - Prerequisites
 - Install/Update**
 - Past releases
 - Build and install from source
 - Amazon ECR Public/Docker
 - Setup
- Configure the AWS CLI
- Authentication and access credentials
- Using the AWS CLI
- AWS CLI examples
- Security
- Migration guide

<https://awscli.amazonaws.com/AWSCLIV2.msi>

Install or update the AWS CLI

To update your current installation of AWS CLI on Windows, download a new installer each time you update to overwrite previous versions. AWS CLI is updated regularly. To see when the latest version was released, see the [AWS CLI version 2 Changelog](#) on [GitHub](#).

- Download and run the AWS CLI MSI installer for Windows (64-bit):
<https://awscli.amazonaws.com/AWSCLIV2.msi>
Alternatively, you can run the `msiexec` command to run the MSI installer.

```
C:\> msiexec.exe /i https://awscli.amazonaws.com/AWSCLIV2.msi
```

For various parameters that can be used with `msiexec`, see [msiexec](#) on the *Microsoft Docs* website. For example, you can use the `/qn` flag for a silent installation.

```
C:\> msiexec.exe /i https://awscli.amazonaws.com/AWSCLIV2.msi
```

On this page

- AWS CLI install and update instructions**
- Troubleshooting AWS CLI install and uninstall errors
- Next steps

Recommended tasks

How to

- [Verify Session Manager plugin installation and test access](#)
- [Install and update the Session Manager plugin on Windows](#)

Learn about

- [Understand supported AWS Regions for CloudShell service](#)

Morning rain 08:27 16-09-2025

ConsoleCost Explorerஅவர்கள்Home - GTerraformManage /InstallingGUVITerraform

docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html

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Search in this guide

Return to the Console

AWS Command Line Interface

User Guide for Version 2

► About the AWS CLI

▼ Get started

Prerequisites

Install/Update

Past releases

Build and install from source

Amazon ECR Public/Docker

Setup

► Configure the AWS CLI

► Authentication and access credentials

► Using the AWS CLI

► AWS CLI examples

► Security

► Migration guide

Install or update the AWS CLI

To update your AWS CLI, you must download the installer each time you want to update it. To update the AWS CLI, you must download the installer each time you want to update it. To update the AWS CLI, you must download the installer each time you want to update it.

1. Download the AWS CLI installer

<https://awscli.amazonaws.com/AWSCLIV2.msi>

Alternative installation methods

C:\> `msiexec.exe /i https://awscli.amazonaws.com/AWSCLIV2.msi`

For various parameters that can be used with `msiexec`, see [msiexec](#) on the Microsoft Docs website. For example, you can use the `/qn` flag for a silent installation.

C:\> `msiexec.exe /i https://awscli.amazonaws.com/AWSCLIV2.msi`

On this page

[AWS CLI install and update instructions](#)

Troubleshooting AWS CLI install and uninstall errors

Next steps

▼ Recommended tasks

How to

[Verify Session Manager plugin installation and test access](#)

[Install and update the Session Manager plugin on Windows](#)

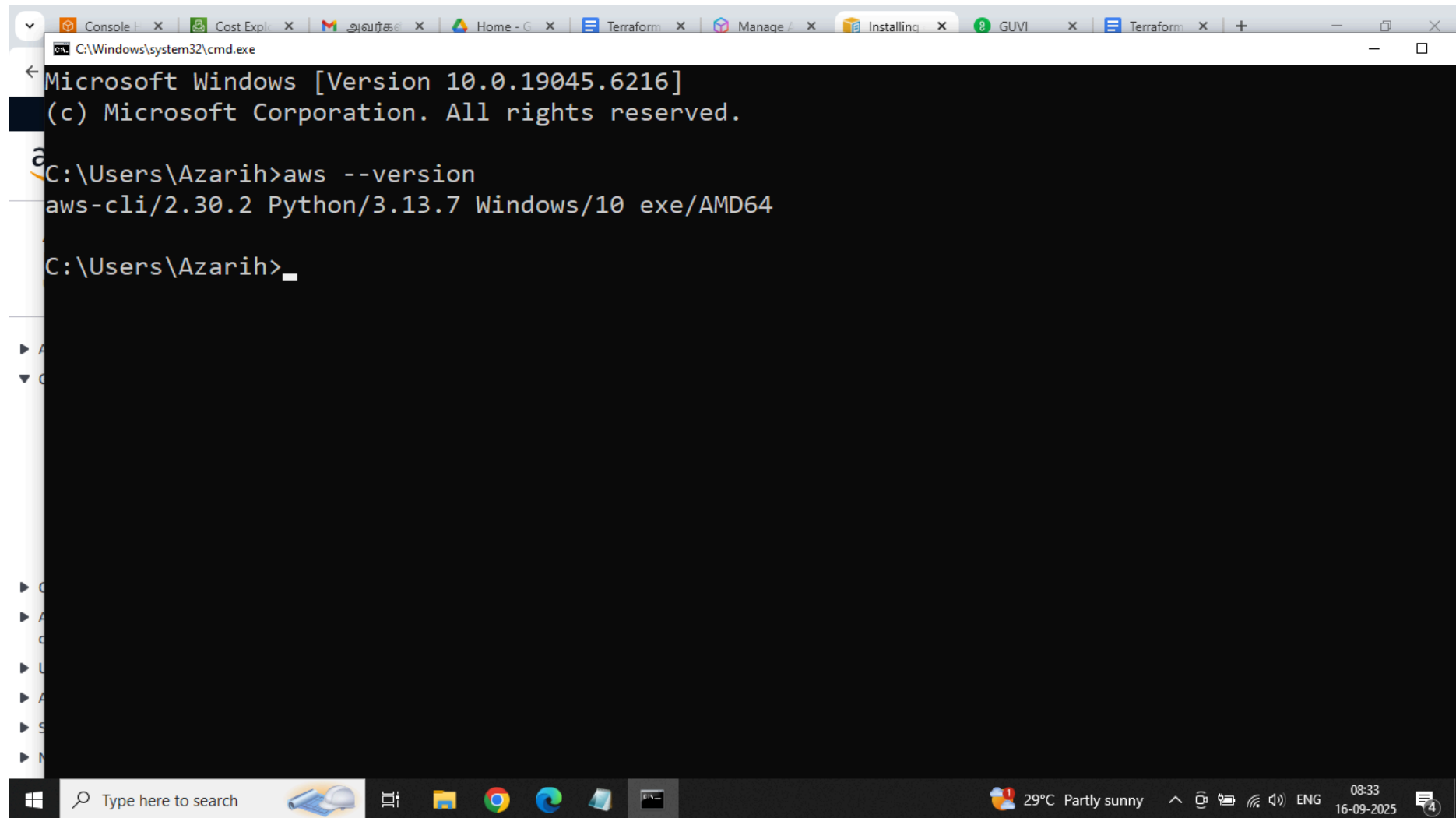
Learn about

[Understand supported AWS Regions for CloudShell service](#)

Type here to search

Rain coming 08:29 16-09-2025

2. AWS CLI Installed successfully



The screenshot shows a Windows command prompt window titled "C:\Windows\system32\cmd.exe". The window displays the following text:

```
Microsoft Windows [Version 10.0.19045.6216]
(c) Microsoft Corporation. All rights reserved.

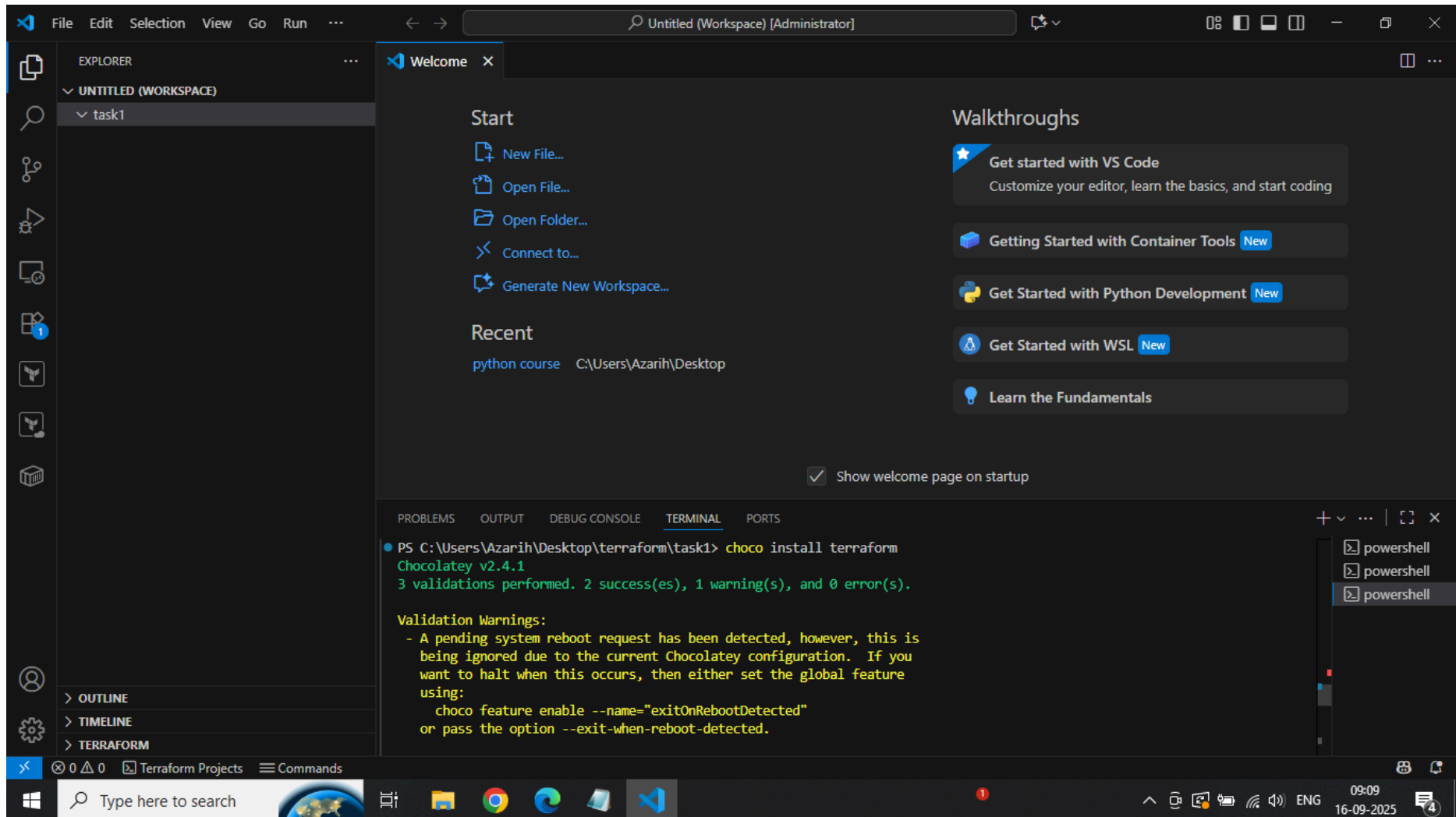
C:\Users\Azarih>aws --version
aws-cli/2.30.2 Python/3.13.7 Windows/10 exe/AMD64

C:\Users\Azarih>_
```

The command prompt is open in a window with multiple tabs at the top, including "Console", "Cost Exp", "அவர்கள்", "Home - C", "Terraform", "Manage /", "Installing", "GUVI", and "Terraform". The taskbar at the bottom shows the Windows logo, a search bar with the text "Type here to search", and several application icons. The system tray on the right indicates a temperature of 29°C, "Partly sunny" weather, and the date and time "08:33 16-09-2025".

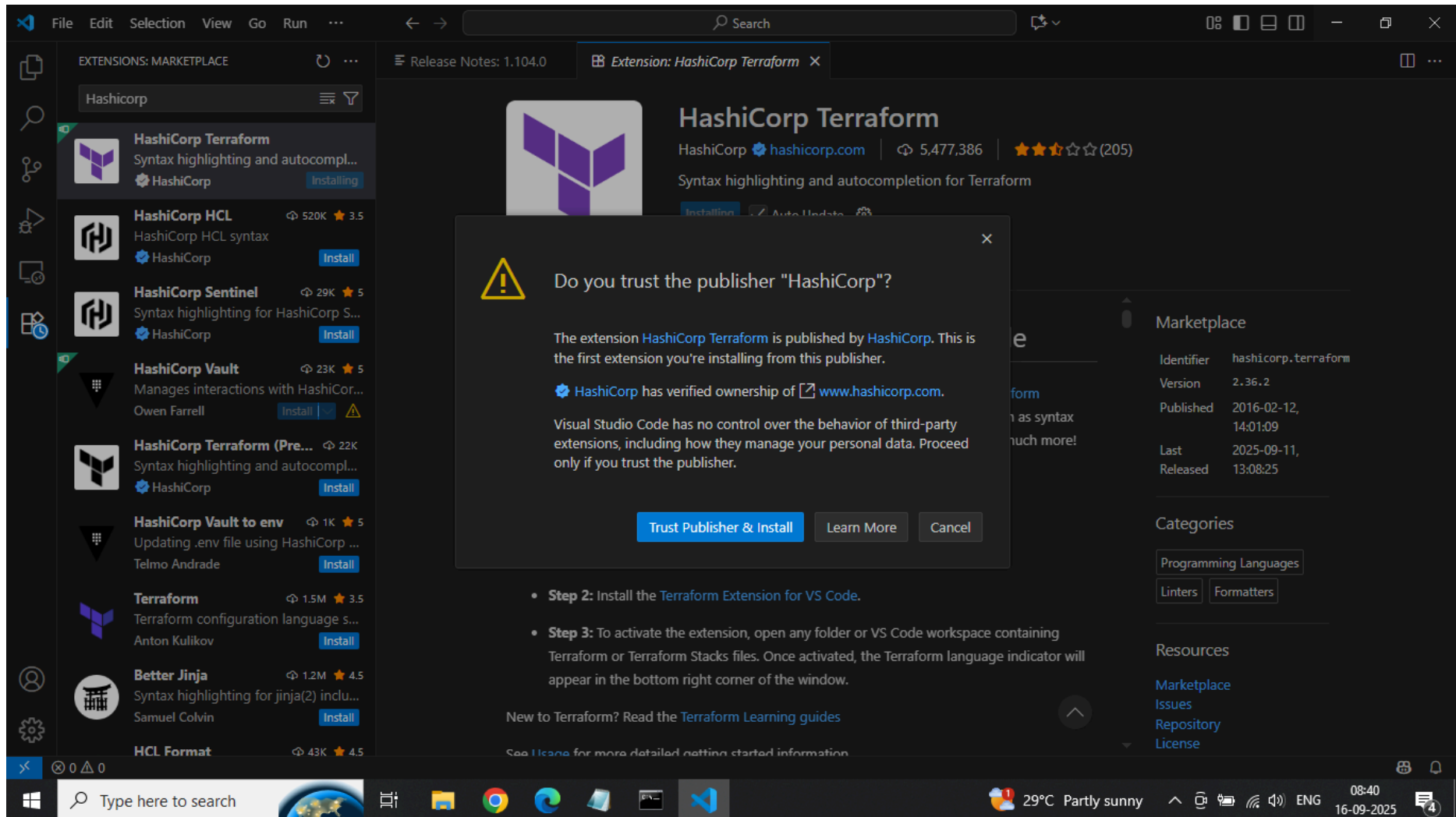
3.Install Terraform

Open Visual Studio Code and execute the command “**choco install terraform**”



4. Install Visual Studio Code and Necessary External Plugins

HashiCorp Terraform, HashiCorp HCL, Terraform Plus




FileEditSelectionViewGoRun

Search

EXTENSIONS: MARKETPLACE

Terraform plus




Terraform Plus

One-click Terraform commands in V...

Ofer Kafry

Installing




Terraform

Terraform configuration language S...

Anton Kulikov

Install




HashiCorp Terraform

Syntax highlighting and autocompl...

HashiCorp

Install




Terraform

Semantic highlighting support for T...

Betajob

Install




Microsoft Terraform

VS Code extension for developing ...

Microsoft

Install




Terraform Autocompl...

Autocomplete for AWS resources wi...

erd0s

Install




Terraform doc snippets

Terraform code snippets (>8000) pu...

Run at Scale

Install



Terraform Advanced...


Advanced Syntax Highlighting for al...

Patrick Miravalle


Install

Release Notes: 1.104.0


Extension: Terraform Plus




Terraform Plus

Ofer Kafry  ecorns.co.il | 5,454 | ★★★★★ (2)


One-click Terraform commands in Visual Studio Code

Installing 



Do you trust the publisher "Ofer Kafry"?

The extension Terraform Plus is published by Ofer Kafry. This is the first extension you're installing from this publisher.

 Ofer Kafry has verified ownership of www.ecorns.co.il.

Visual Studio Code has no control over the behavior of third-party extensions, including how they manage your personal data. Proceed only if you trust the publisher.

Trust Publisher & Install

Learn More

Cancel

Marketplace

Identifier

offerkafry.easy-terraform-commands

Version

3.4.0

Published

2023-04-24, 22:45:26

Last Released

2024-05-05, 00:52:42

Categories

Programming Languages

Linters

Visualization

Testing

Resources

Marketplace

Demos

Unlimited log length.

Progress indication.

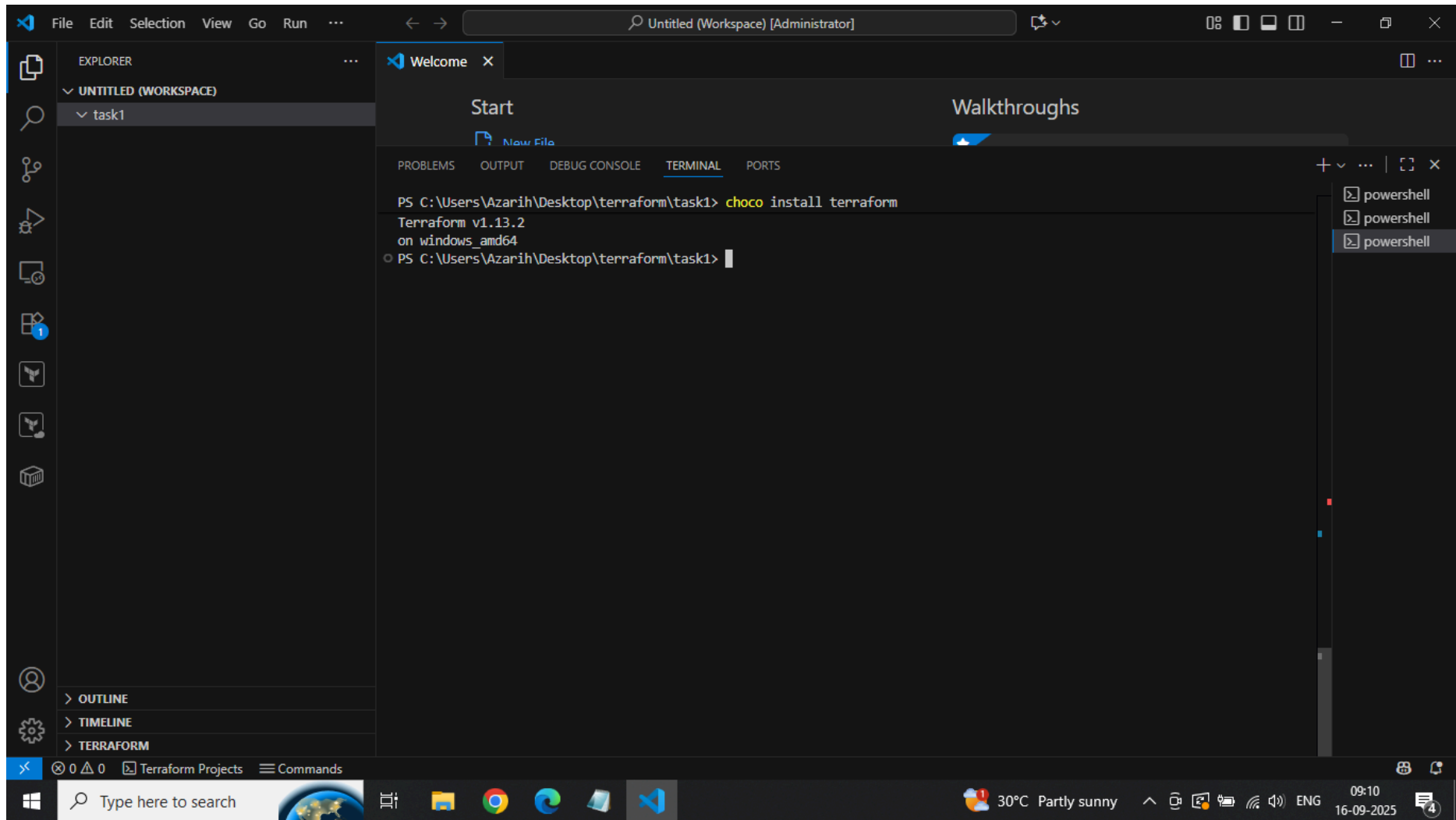
Free ChatGPT summary.

Type here to search

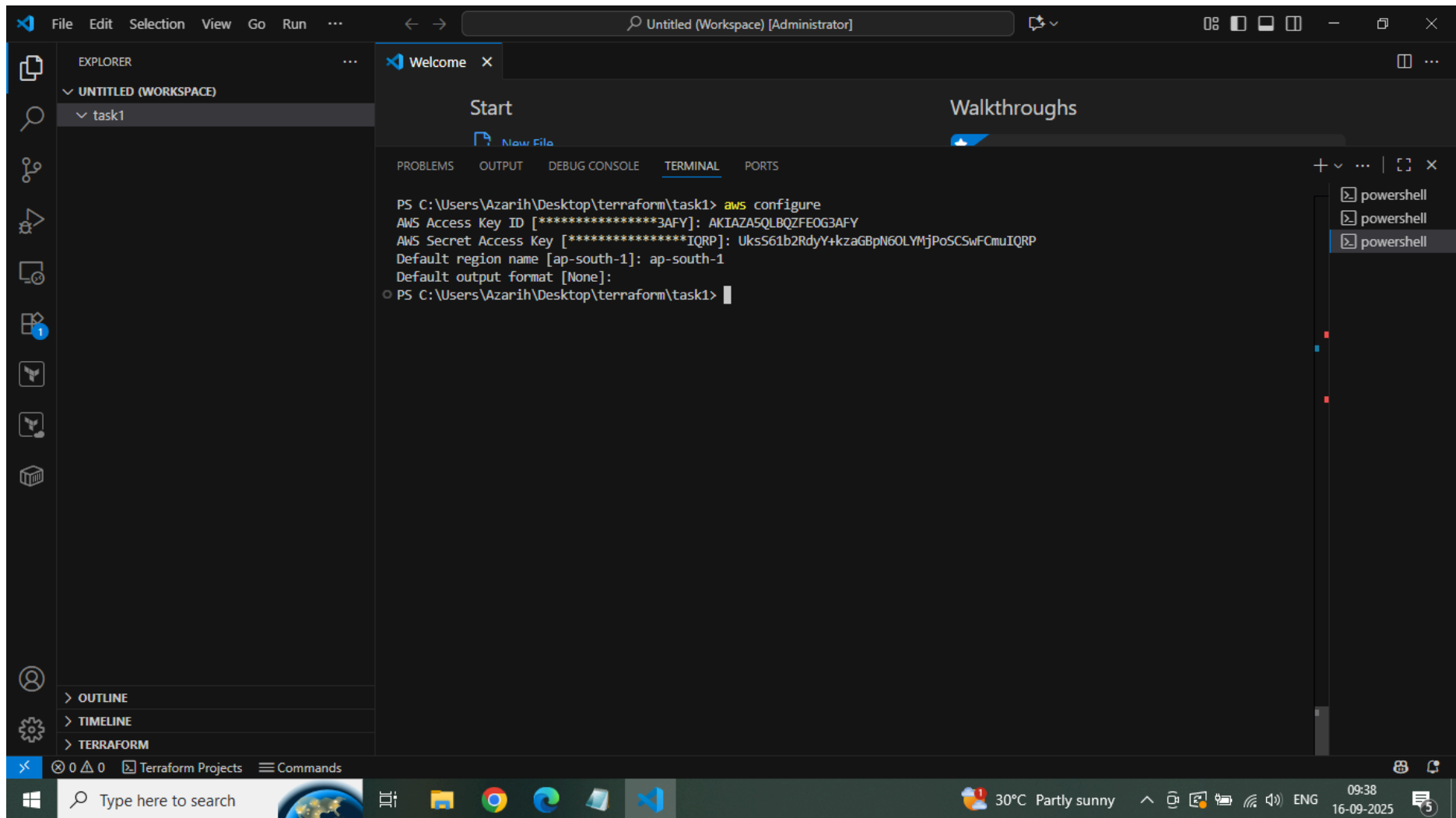
29°C Partly sunny

08:42 16-09-2025

5. Terraform installed successfully



6.AWS Configure in Visual Studio Code



7.Terraform Code to launch instances in 2 different regions

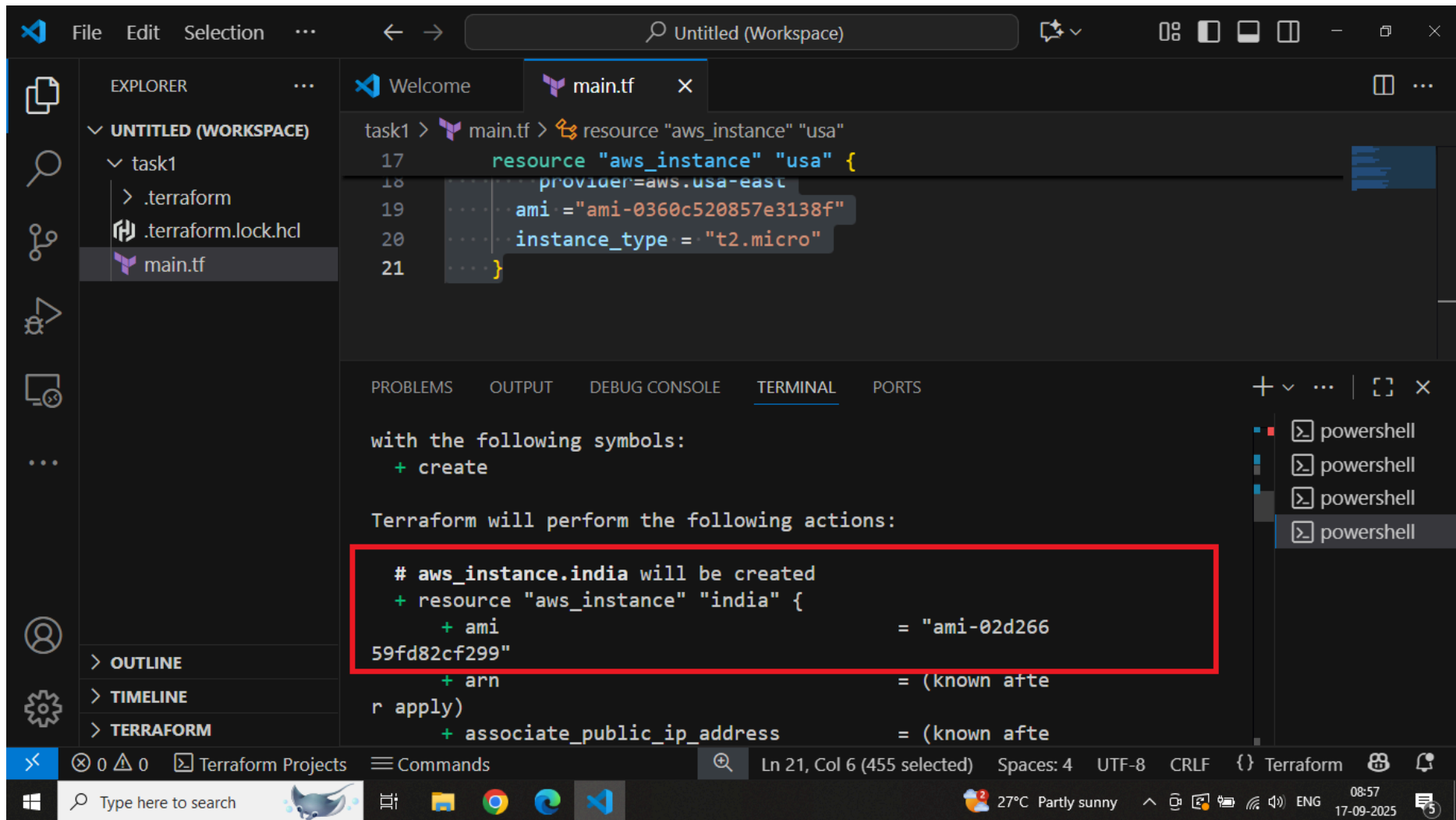
```
    provider "aws" {
      region = "ap-south-1"
      alias = "indian"
    }

provider "aws" {
  region = "us-east-1"
  alias="usa-east"
}

resource "aws_instance" "india" {
  provider=aws.indian
  ami="ami-02d26659fd82cf299"
  instance_type = "t2.micro"
}

resource "aws_instance" "usa" {
  provider=aws.usa-east
  ami ="ami-0360c520857e3138f"
  instance_type = "t2.micro"
}
```

8. After applying the command terraform init and terraform plan



File Edit Selection ...

Untitled (Workspace)

EXPLORER

UNTITLED (WORKSPACE)

task1

.terraform

.terraform.lock.hcl

main.tf

task1 > main.tf > resource "aws_instance" "usa"

```
17 resource "aws_instance" "usa" {
18     provider=aws.usa-east
19     ami ="ami-0360c520857e3138f"
20     instance_type ="t2.micro"
21 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
# aws_instance.usa will be created
+ resource "aws_instance" "usa" {
+   ami                                = "ami-0360c5
20857e3138f"
+   ami                                = (known afte
r apply)
+   associate_public_ip_address       = (known afte
r apply)
+   availability_zone                 = (known afte
```

powershell

powershell

powershell

powershell

> OUTLINE

> TIMELINE

> TERRAFORM

0 0 Terraform Projects Commands

Ln 21, Col 6 (455 selected) Spaces: 4 UTF-8 CRLF {} Terraform

Type here to search

Rain coming

08:59 17-09-2025

File Edit Selection ...

Untitled (Workspace)

EXPLORER

UNTITLED (WORKSPACE)

task1

.terraform

.terraform.lock.hcl

main.tf

task1 > main.tf > resource "aws_instance" "usa"

```
17 resource "aws_instance" "usa" {
18     provider=aws.usa-east
19     ami = "ami-0360c520857e3138f"
20     instance_type = "t2.micro"
21 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

+ primary_network_interface (known after apply)

+ private_dns_name_options (known after apply)

+ root_block_device (known after apply)

}

Plan: 2 to add, 0 to change, 0 to destroy.

powerShell

powerShell

powerShell

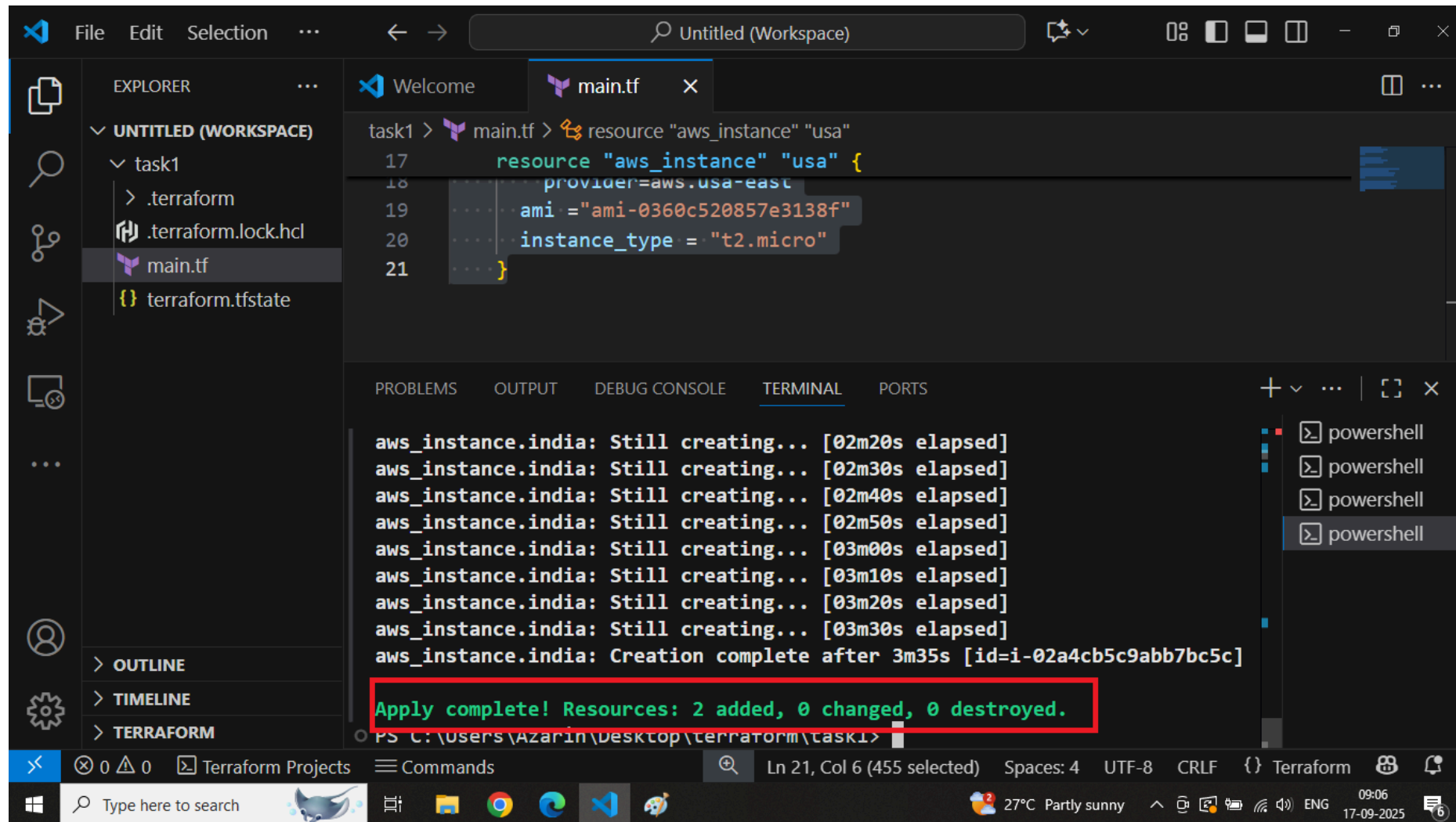
powerShell

< 0 0 Terraform Projects Commands Ln 21, Col 6 (455 selected) Spaces: 4 UTF-8 CRLF {} Terraform

Type here to search

Rain coming 09:00 17-09-2025

9. After Terraform Apply



The screenshot shows the Visual Studio Code interface with a Terraform project. The Explorer panel on the left shows the file structure: `task1` containing `.terraform`, `.terraform.lock.hcl`, `main.tf`, and `terraform.tfstate`. The main editor displays the `main.tf` file with the following content:

```
task1 > main.tf > resource "aws_instance" "usa"
17     resource "aws_instance" "usa" {
18         provider=aws.usa-east
19         ami = "ami-0360c520857e3138f"
20         instance_type = "t2.micro"
21     }
```

The TERMINAL panel at the bottom shows the output of the `terraform apply` command. The output indicates that the resource `aws_instance.india` is still creating, with progress updates every 10 seconds. The final line of the output, which is highlighted with a red box, states:

```
Apply complete! Resources: 2 added, 0 changed, 0 destroyed.
```

The status bar at the bottom of the window shows the current file is `main.tf` at line 21, column 6, with 455 characters selected. The system tray at the bottom right shows the date and time as 09:06 on 17-09-2025.

10.AWS Instance Running Output - India Region

The screenshot displays the AWS Management Console interface for the Asia Pacific (Mumbai) region. The top navigation bar shows the AWS logo, a search bar, and the region dropdown set to 'Asia Pacific (Mumbai)'. The account ID is 6204-5572-6130, and the user is Rath.

The main content area is titled 'Instances (1)' and shows a single EC2 instance. The instance details are as follows:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
	i-02a4cb5c9abb7bc5c	Running	t2.micro	2/2 checks passed	View alarm

The instance type 't2.micro' is highlighted with a red box. The 'Status check' column shows '2/2 checks passed'.

The left sidebar contains the following navigation options:

- EC2
- Dashboard
- AWS Global View
- Events
- Instances
 - Instances
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Capacity Reservations
- Images
 - AMIs
 - AMI Catalog

The bottom of the screen shows the Windows taskbar with the search bar, taskbar icons, and system tray information including the date and time (09:09, 17-09-2025).

11.AWS Instance Running Output - USA East Region

The screenshot displays the AWS Management Console for the us-east-1 region. The top navigation bar shows the AWS logo, a search bar, and the current region (United States (N. Virginia)). The left sidebar contains the EC2 console navigation menu, including Dashboard, EC2 Global View, Events, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, and Images. The main content area shows the 'Instances (1)' page with a table of running instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability. The instance 'i-016daabda29225381' is listed with a status of 'Running' and an instance type of 't2.micro'. Below the table, there is a 'Select an instance' section. The bottom of the screen shows the Windows taskbar with various application icons and system information.

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:v=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

aws Search [Alt+S] United States (N. Virginia) Account ID: 6204-5572-6130 Rath

EC2 > Instances

Instances (1) Info

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
	i-016daabda29225381	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a

Select an instance

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Type here to search 27°C Partly sunny 09:11 17-09-2025