



Terraform: Packer Introduction

Terraform : Deployment Automation

- Packer is as an open source tool for creating **identical machine images** for multiple platforms from a single source configuration.
- A *machine image* is a single static unit that contains a pre-configured operating system and installed software which is used to quickly create **new running machines**.
- Packer images allow you to launch completely provisioned and configured machines in seconds.
- How Packer Build the Image -

Terraform : Deployment Automation



Amazon EC2



New Machine Image



Terraform : Deployment Automation

- **Packer Terminology -**
- **Template** - Configuration file used to define what image we want built and how is called a *template*.
- **Builders** - Builders are responsible for creating machines and generating images from them for various platforms.
- There are separate builders for each Cloud Provider, each with its own configuration.
- **Provisioners** - Provisioners are used to install and configure the machine image after booting. they prepare the system for use through for example installing the necessary packages.

Terraform : Deployment Automation

- We can use the packer to build AWS AMIs.
- Custom AMI will be handy AMI with preinstall configuration.
- This will speed up the boot time of Machine.
- This will be helpful to create the cluster Services.

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, writing the words 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the fingers gripping the marker. The text is written in a dark, fluid cursive style.

See you in next lecture ...