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*Terraform: DataSource in Terraform*

## *Terraform : Deployment Automation*

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- Terraform provides DataSource for Certain Cloud Providers like AWS.
- DataSource Provides the dynamic Information about entities that are not managed by the current Terraform and configuration.
- AWS provides a lot of structured data which can be accessed via AWS APIs.
- Terraform expose this information using DataSources like AMIs, Availability Zones.
- Referencing a resource defined in a data source won't create the resource itself, and your plan will fail if you reference nonexistent data or infrastructure.

## *Terraform : Deployment Automation*

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- DataSource also provides the All IPs in use by AWS.
- This will help in IP Base Traffic filter.
- Traffic Filer on AWS can be done via Security Groups.
- Incoming and Outgoing Traffic can be done via Inbound Rules and Outbound Rules.
- Rules filter the traffic on the basis of Protocol, IP Range, and Ports.

*Will see you in Next Lecture...*

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*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. The background is plain white.

*See you in next lecture ...*