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*Terraform: Understand Infrastructure as Code  
(IaC) Concepts*

# *Terraform : Deployment Automation*

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- Section 1 : Understand Infrastructure as Code (IaC) Concepts
  - Explain what IaC is
  - Describe advantages of IaC patterns

# *Terraform : Deployment Automation*

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- **What is IaC :**
- “Infrastructure as code is the process of managing and provisioning computer data centers through machine-readable definition files, rather than physical hardware configuration or interactive configuration tools.”
- In my words - *“Infrastructure as code (IaC) means to manage your IT infrastructure using configuration files.”*
- **What Problem Does IaC Solve?**
- **Infrastructure as Code: The Missing Piece**

## *Terraform : Deployment Automation*

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- What is IaC :
- Instead of going through UI, write code to create resource.
- Manage Code using VCS.
- Ability of review Process.
- Code reusability.
- Automation of DataCenter Provisioning.

## ***Terraform : Deployment Automation***

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- **Infrastructure as Code Benefits :**
- Speed
- Consistency
- Accountability
- Lower Cost

*Will see you in Next Lecture...*

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*Thank you!*

A close-up photograph of a hand holding a black marker, completing the cursive word 'Thank you!' on a white surface. The hand is positioned on the right side of the frame, with the index and thumb fingers visible, holding the marker. The marker's tip is just finishing the exclamation mark. The background is a plain, light-colored surface.

*See you in next lecture ...*