

Terraform with AWS

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Summary

- .Infrastructure as Code
- .What is Terraform?
- .Terraform with AWS

Infrastructure as Code (IaC)

- A step ahead of 'Cloud Computing'
- Old way: Manual Provisioning
- IaC: Provision Infrastructure with Code
- Apply DevOps Practices for Deploying Infrastructure

What is Terraform?

- Open Source IaC tool by HashiCorp
- Platform Agnostic
- 'Providers' for Various Cloud Platforms
- Ability to write custom Providers

Amazon Web Services

- .Cloud platform by Amazon
- .Pay-as-you-use basis
- .Services Range from Servers, Databases, File Storage, IoT.
- .IaC tool: Cloudformation

Amazon Web Services

- Simple Storage Service (S3)
- AWS Lambda
- AWS ECS
- AWS Redshift
- AWS RDS

AWS Elastic Compute Cloud (EC2)

- Virtual Machine Service by AWS
- Amazon Machine Image (AMI) deployed on EC2 instance
- 'Elastic' – Pay for as much time as the server is active
- Instance Store vs Block Store (AWS EBS)

References

- [Terraform AWS Registry](#)
- [Terraform AWS tutorial by Hashicorp](#)