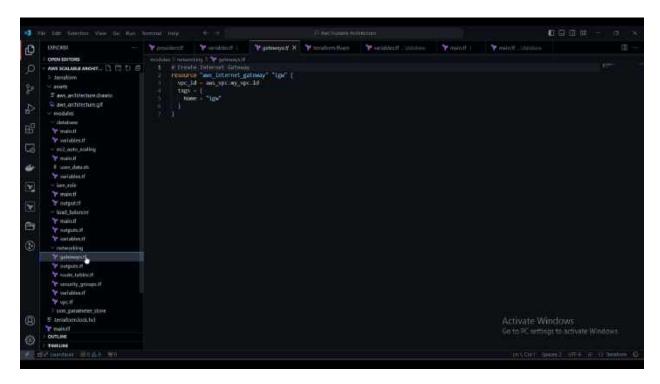
DevOps PROJECT 1

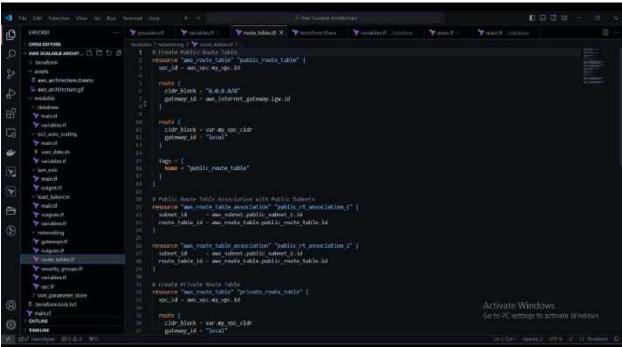
1) Create AWS using Terraform

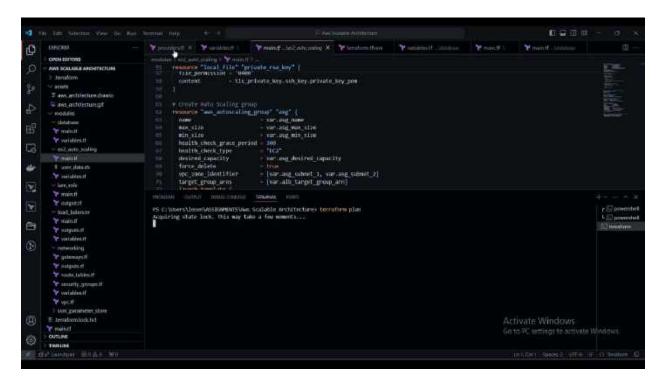
> AWS Scalable Architecture



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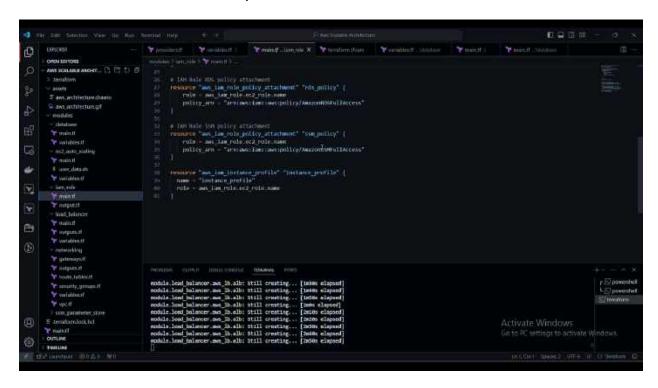


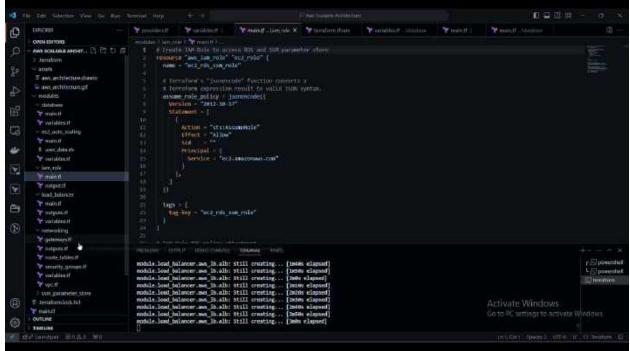


> Initiate terraform



Create IAM Roles & Policy





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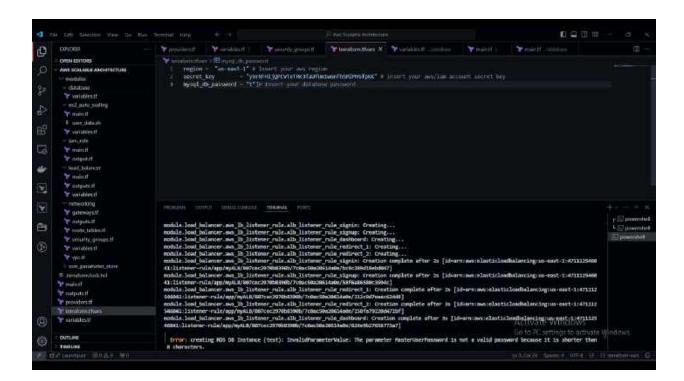
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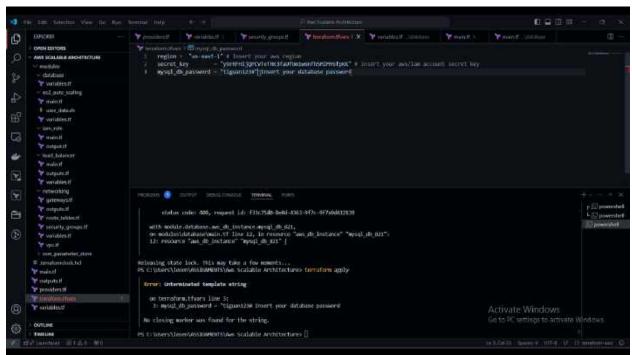
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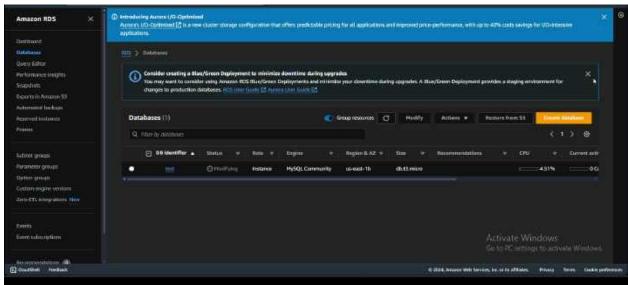
Create mysql database



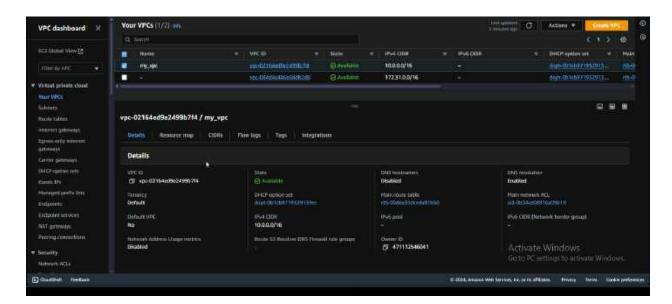


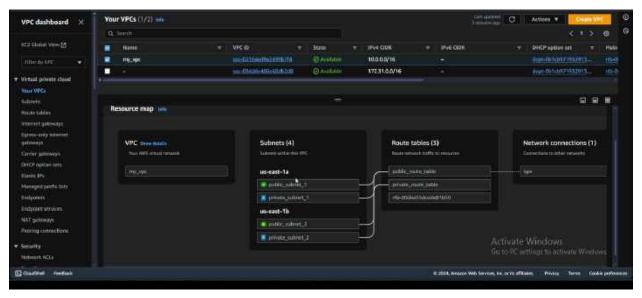


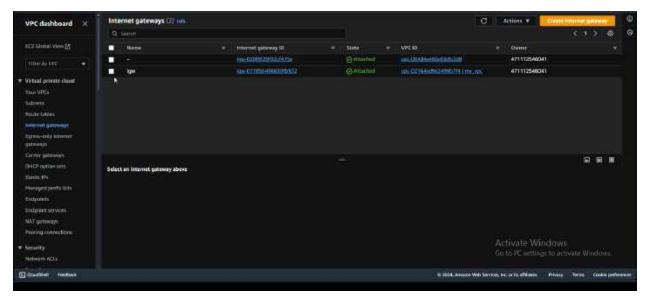


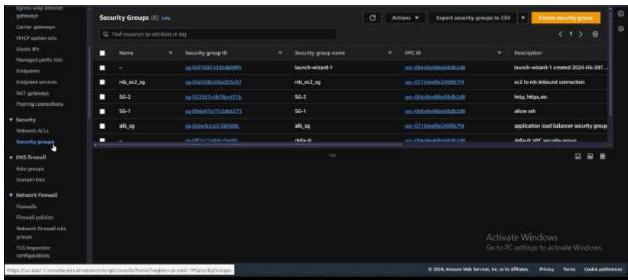


➤ Initiate and deployment of VPC

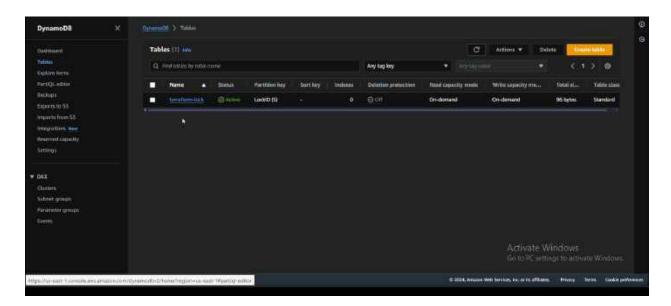


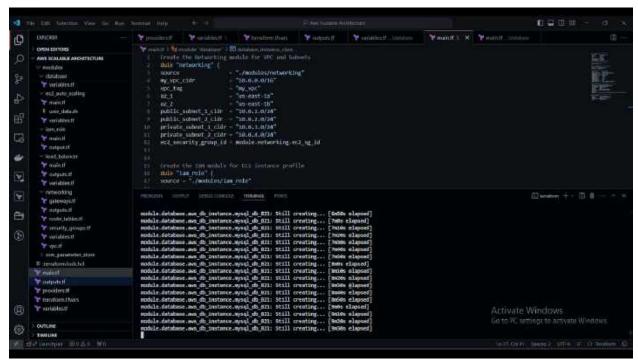


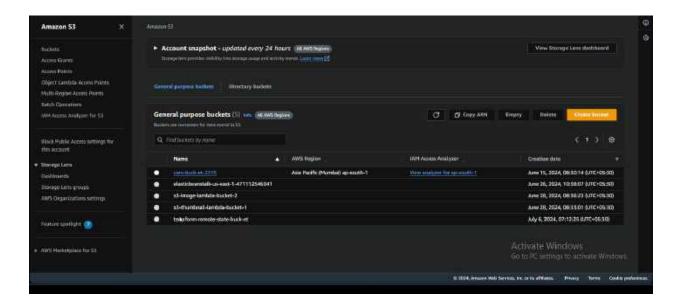




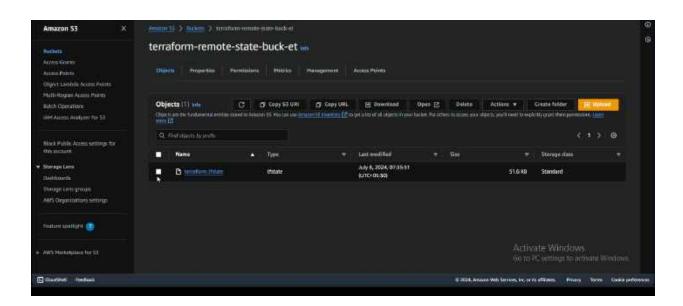
➤ Initiate Dynamic Database



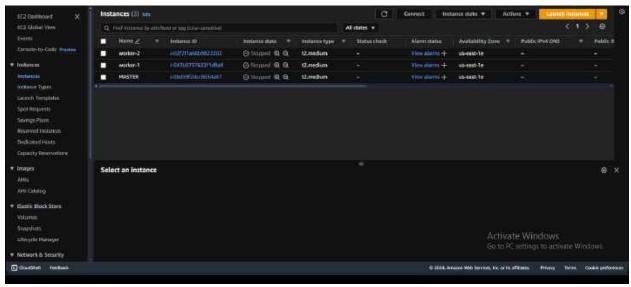


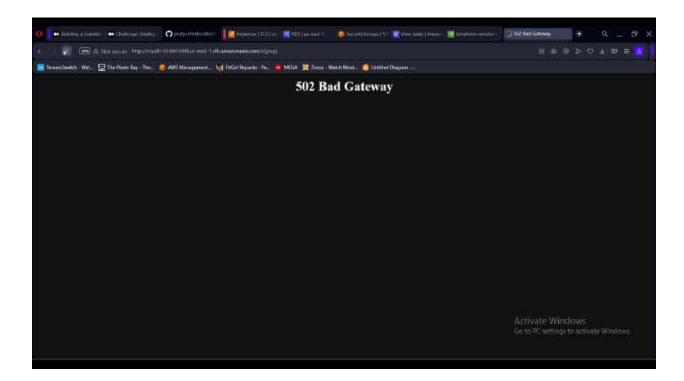


> Terraform Bucket Created

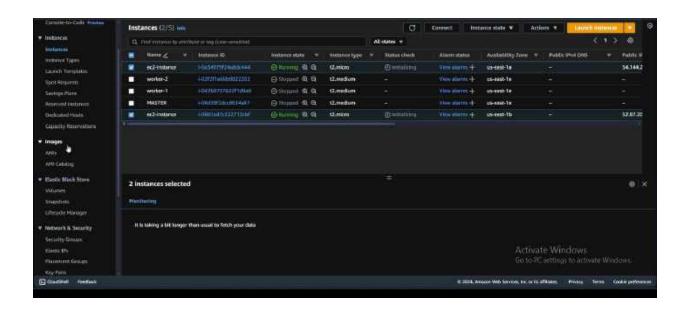


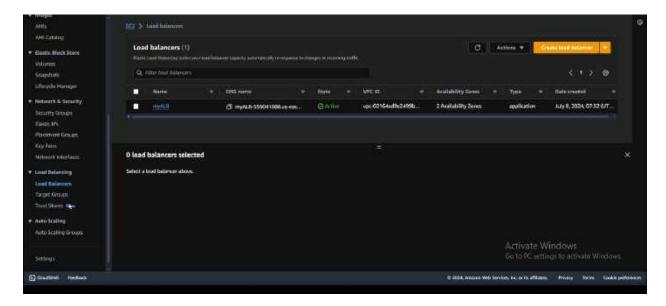


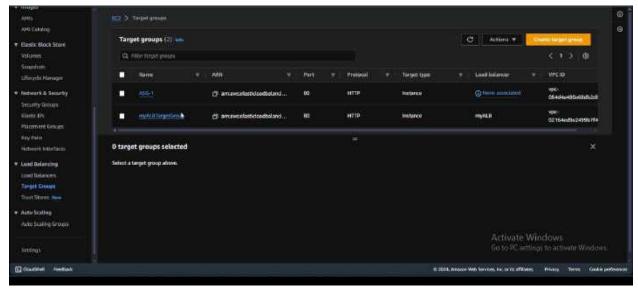




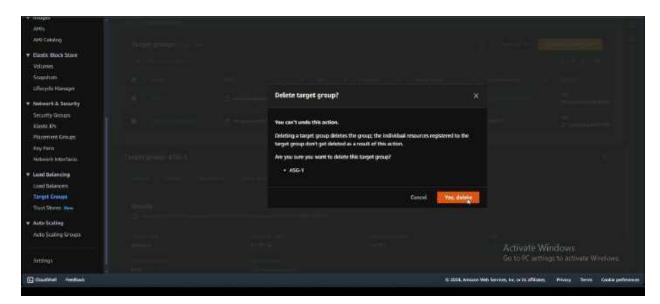
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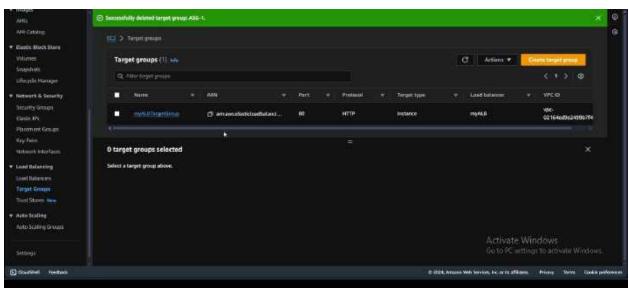


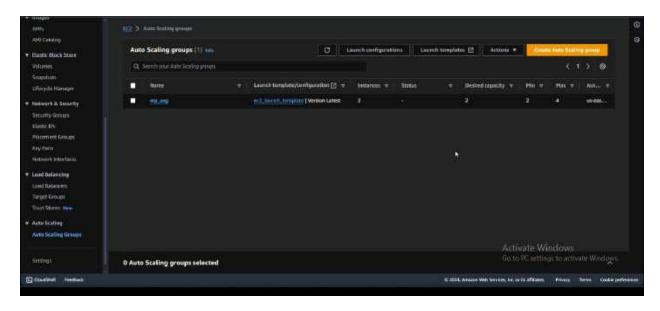


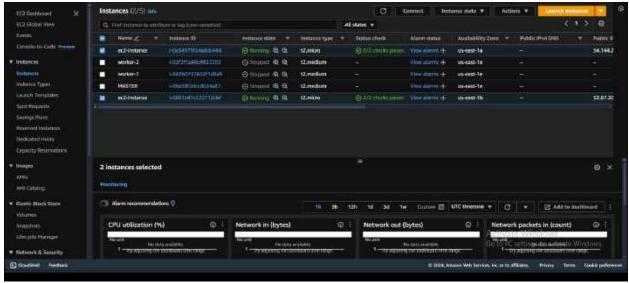


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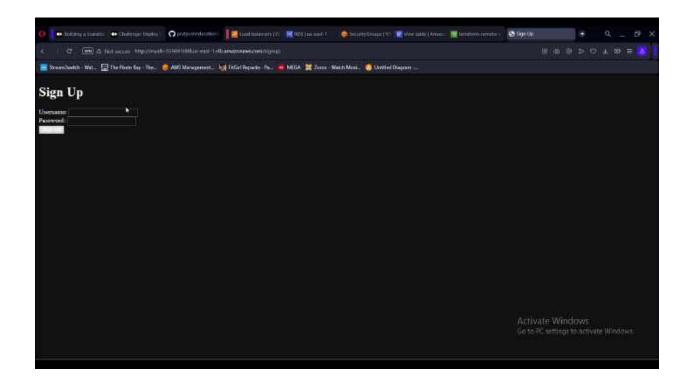




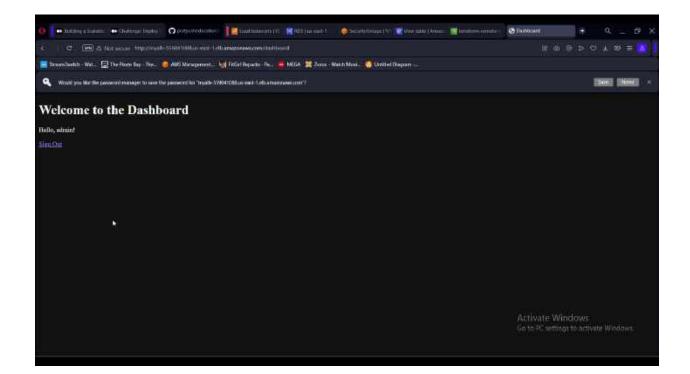




➤ Logging for AWS Cluster using Terraform

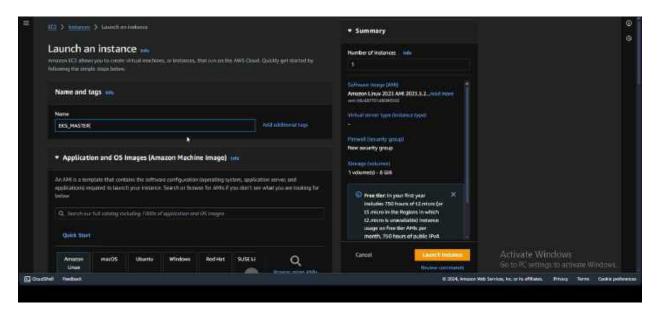


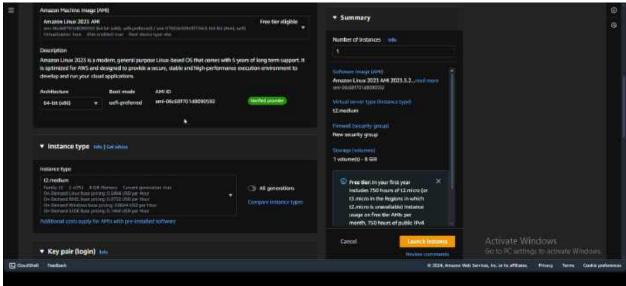
Finally Created AWS Architecture & Dynamic Dtabase through Terraform



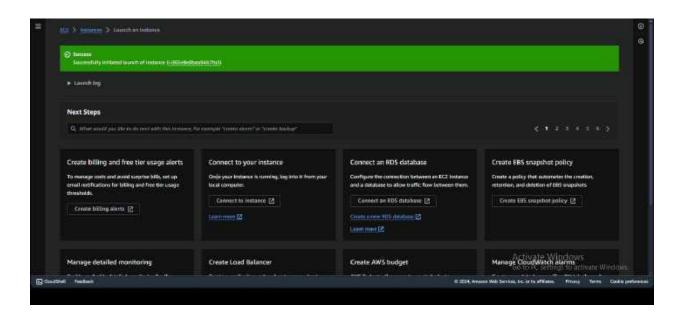
2) Create EKS Cluster

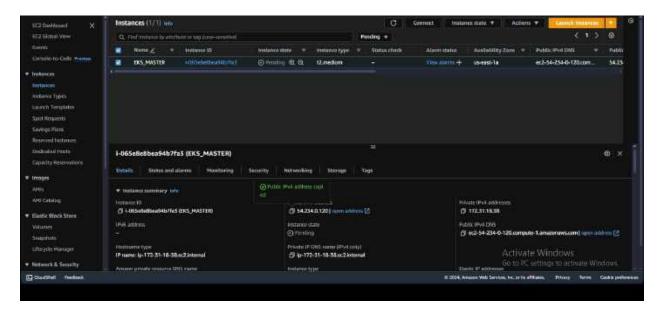
Setup for EKS & launch Instance



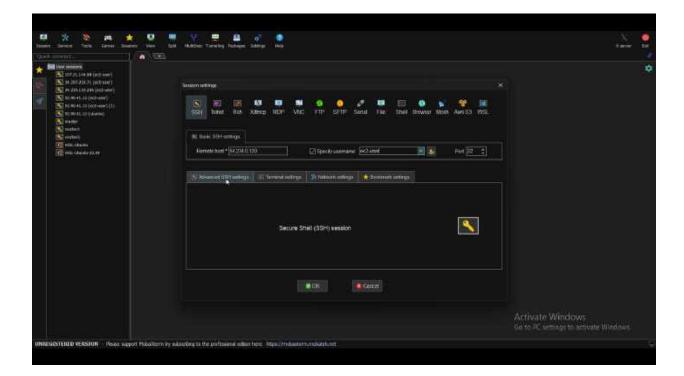


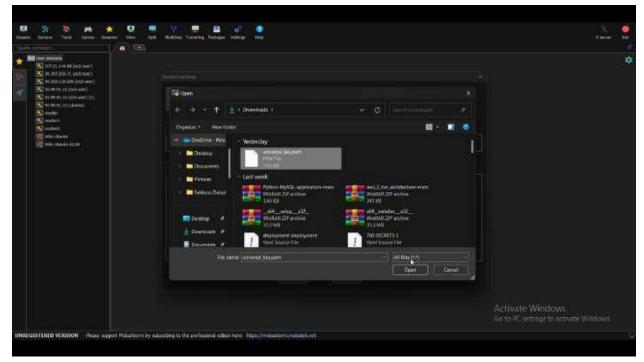
> Setup EC2 and Create its Instances

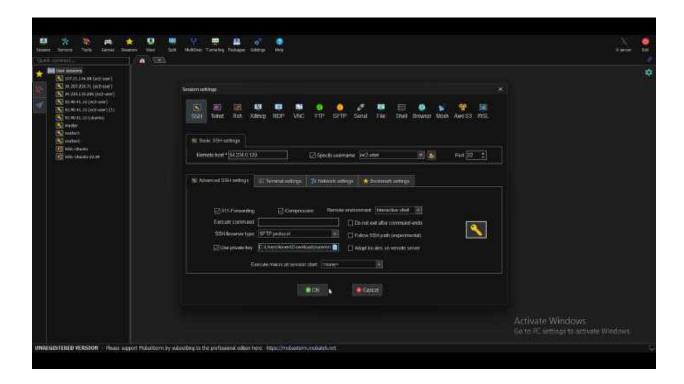




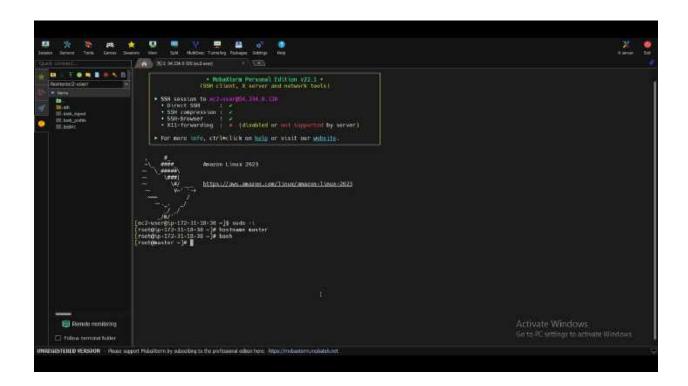
Connect to SSH network through public key

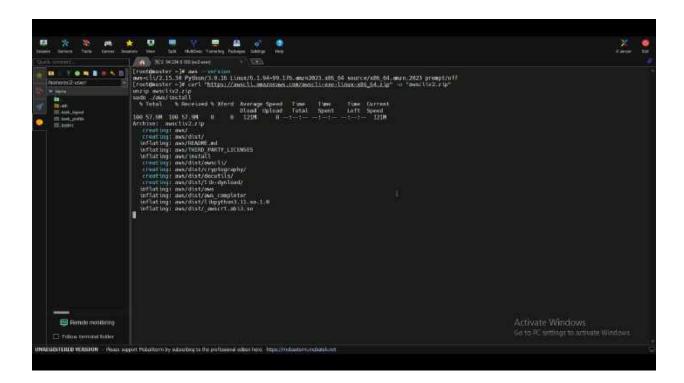


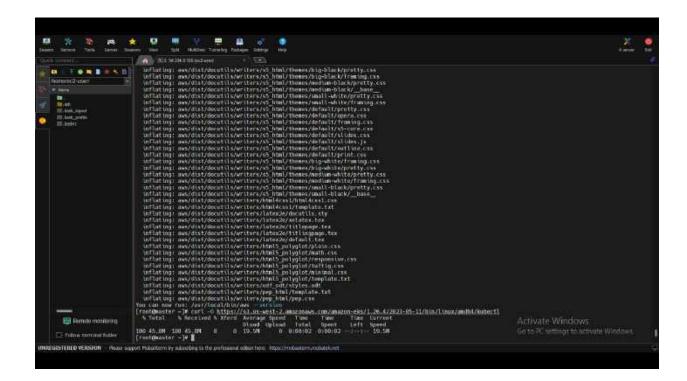


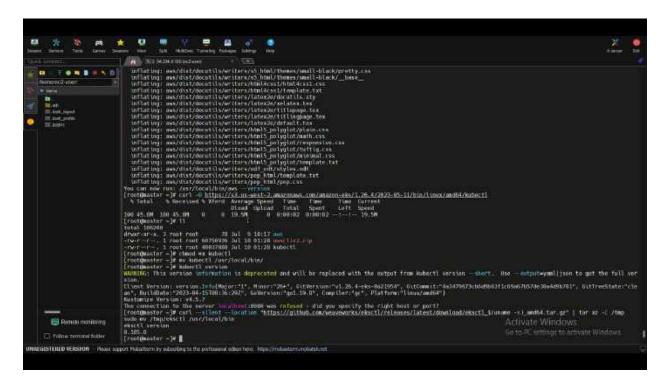


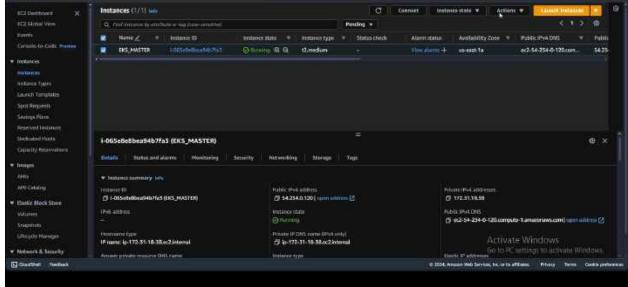
> SSH Network Connected & Updated



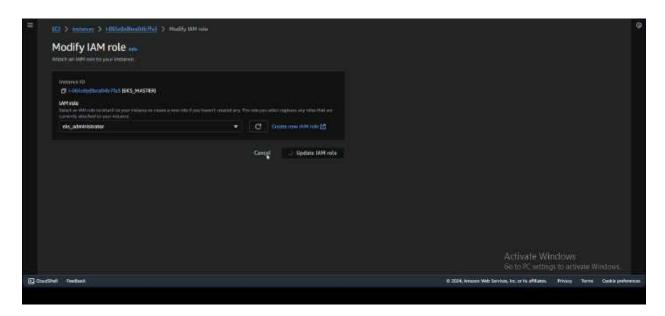


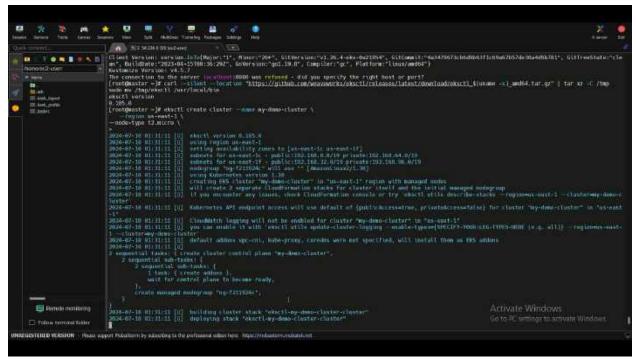




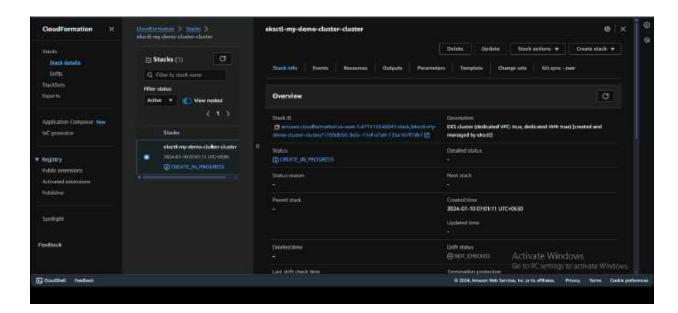


Modify IAM Roles

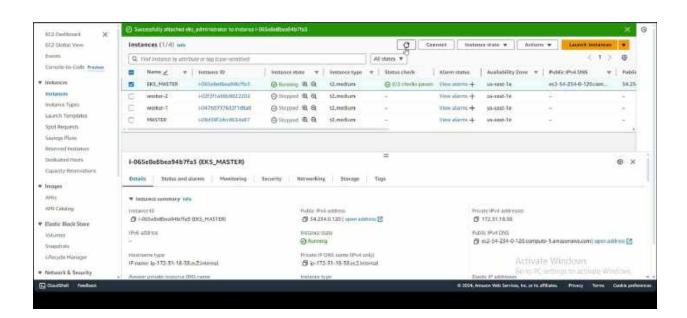


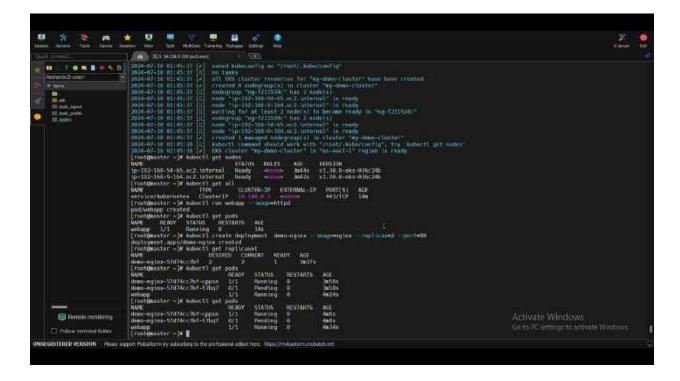


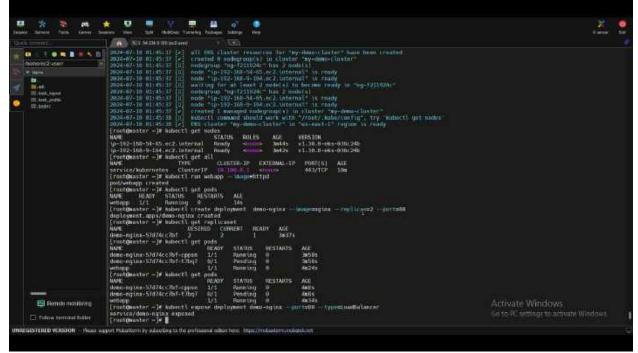
Create EKS Cluster through Terraform



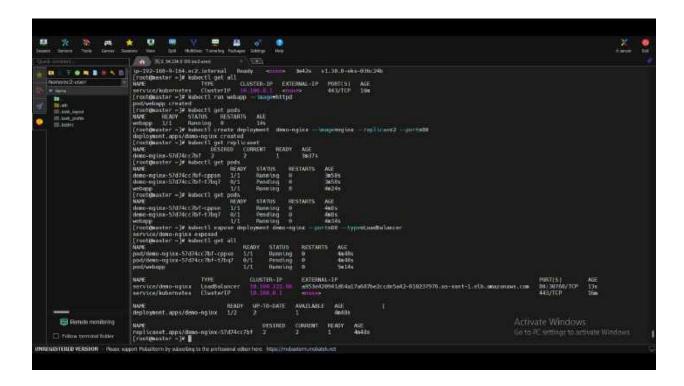
Logging able for EKS - Setup







Finally create EKS Cluster through EC2 Instances using Terraform



3) Create worker node using terraform

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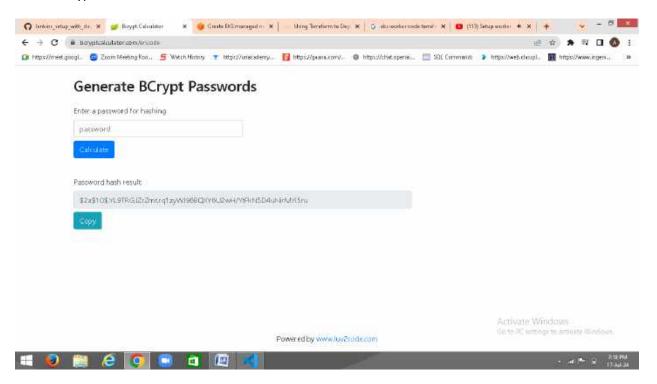
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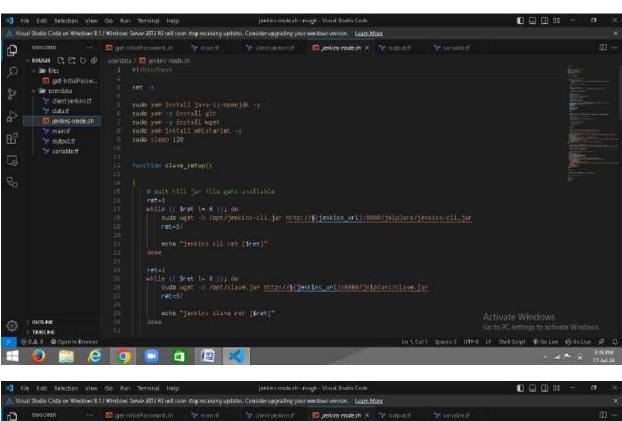
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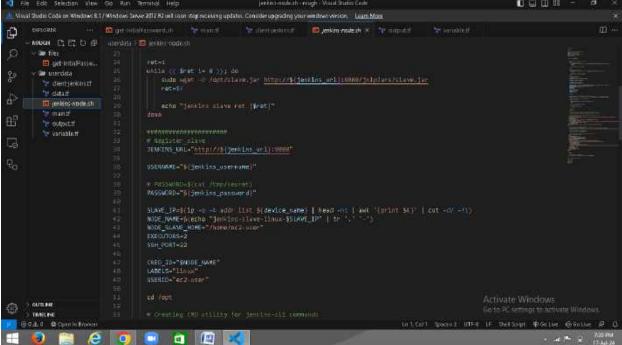
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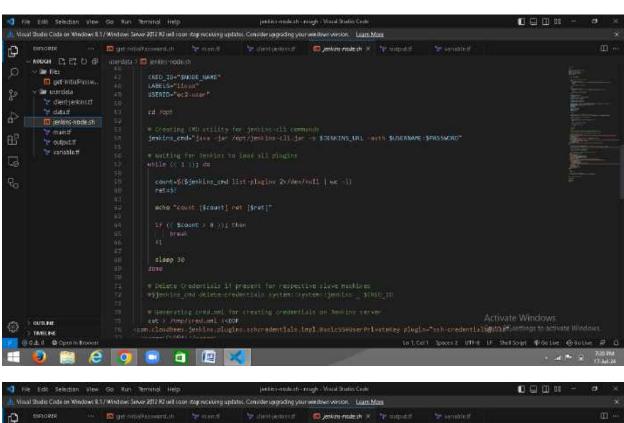
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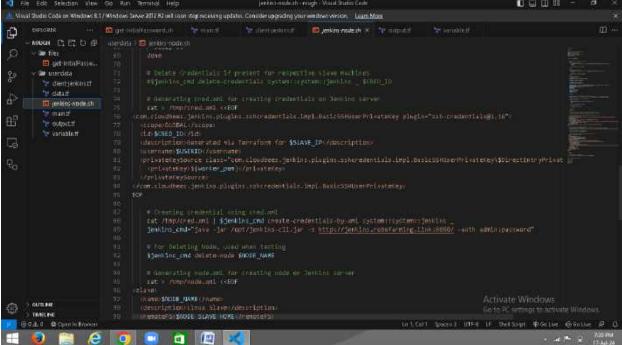
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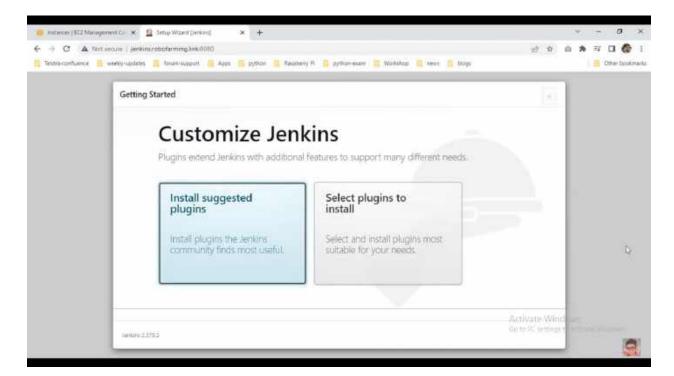
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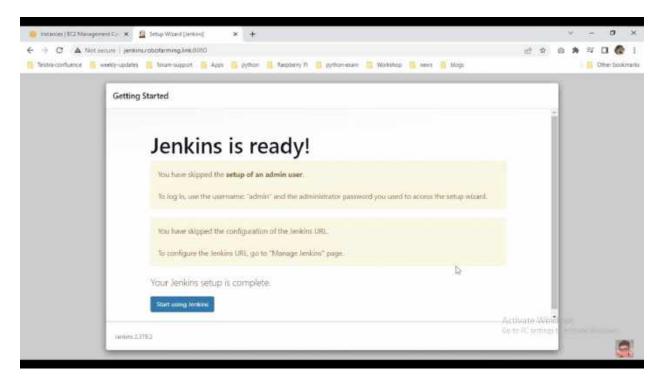
> For setup terraform

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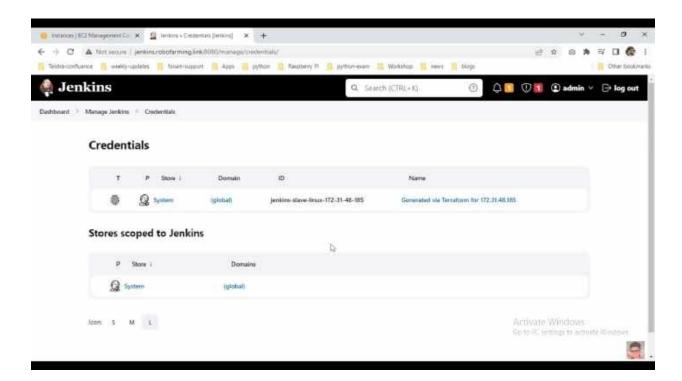
Slave setup and terraform created



Completed Jenkins for managing nodes



> Terraform Generated



Worker nodes initiated

