Provision Azure resources using Terraform

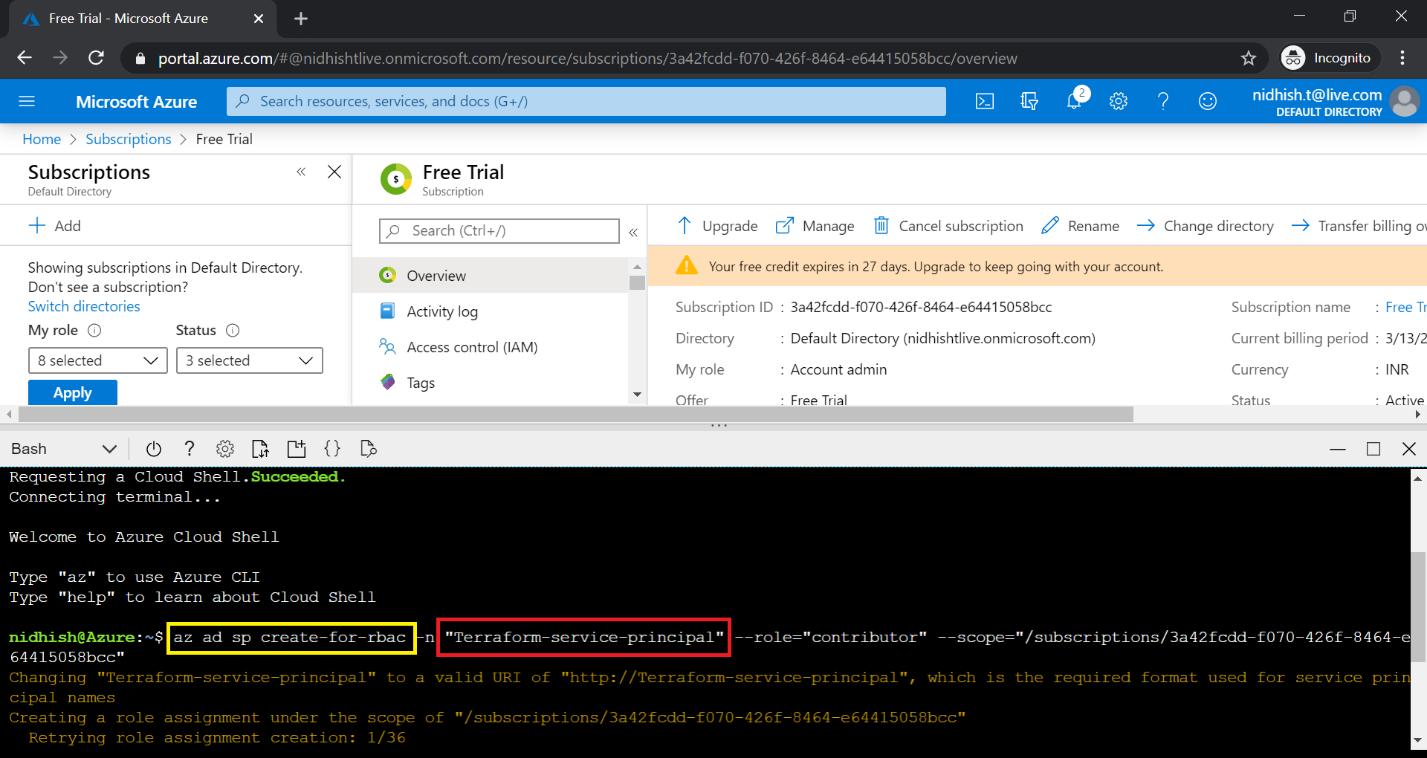
# Create Azure AD service principal

Azure AD service principal helps terraform to authenticate to Azure.

Service principal will be created on Azure AD 🡪 App registration

<https://www.terraform.io/docs/providers/azurerm/guides/service_principal_client_secret.html>

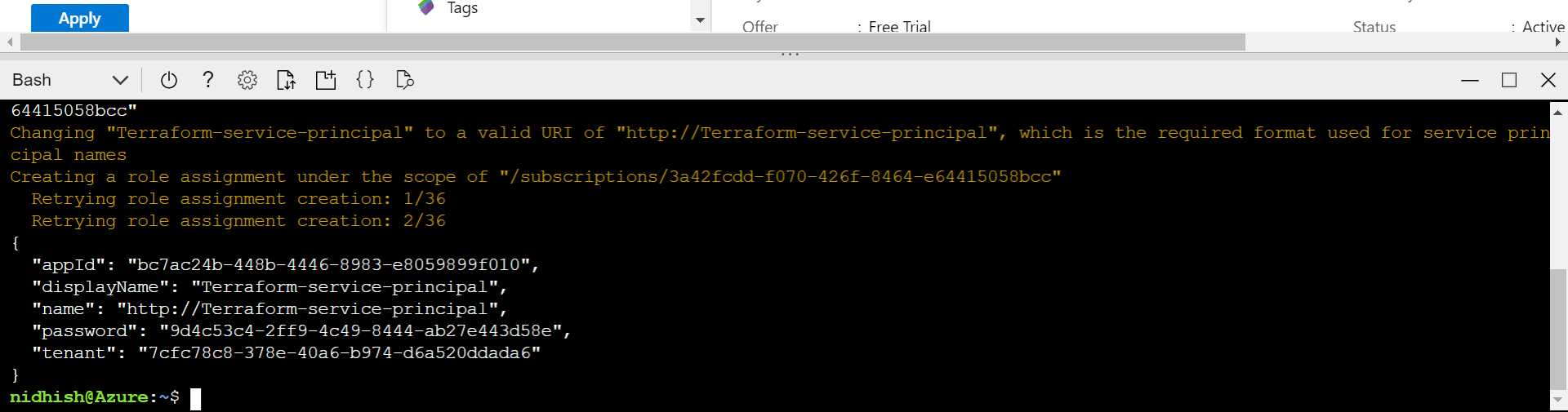
1. Azure portal 🡪 Azure Bash 🡪 Create Service Principal



**Command:**

az ad sp create-for-rbac -n "Terraform-service-principal" --role="contributor" --scope="/subscriptions/3a42fcdd-f070-426f-8464-e64415058bcc"

1. Copy appId, Password, tenant



{

"appId": "bc7ac24b-448b-4446-8983-e8059899f010",

"displayName": "Terraform-service-principal",

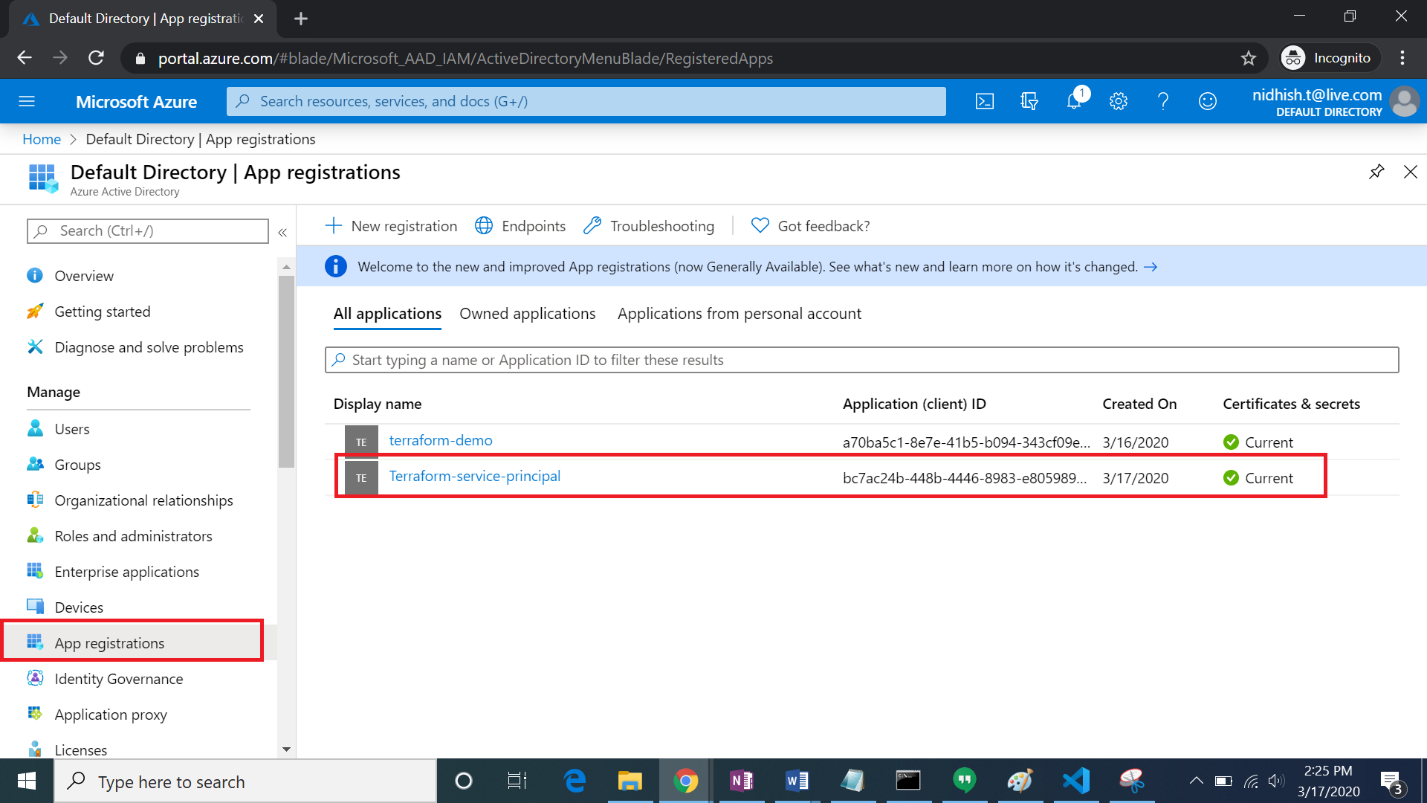
"name": "http://Terraform-service-principal",

"password": "9d4c53c4-2ff9-4c49-8444-ab27e443d58e",

"tenant": "7cfc78c8-378e-40a6-b974-d6a520ddada6"

}

1. Verify newly created app registration in Azure AD

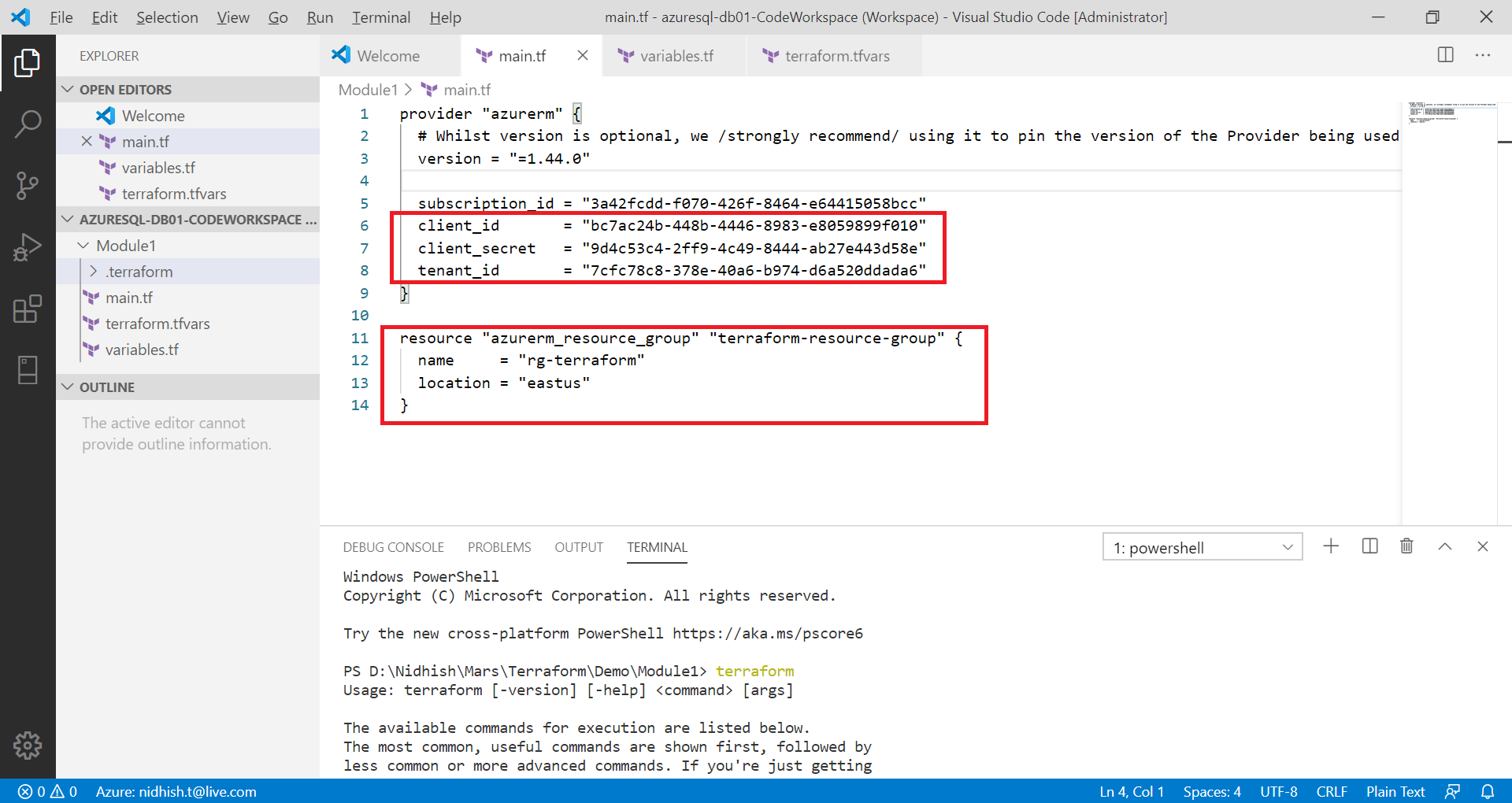


1. Done

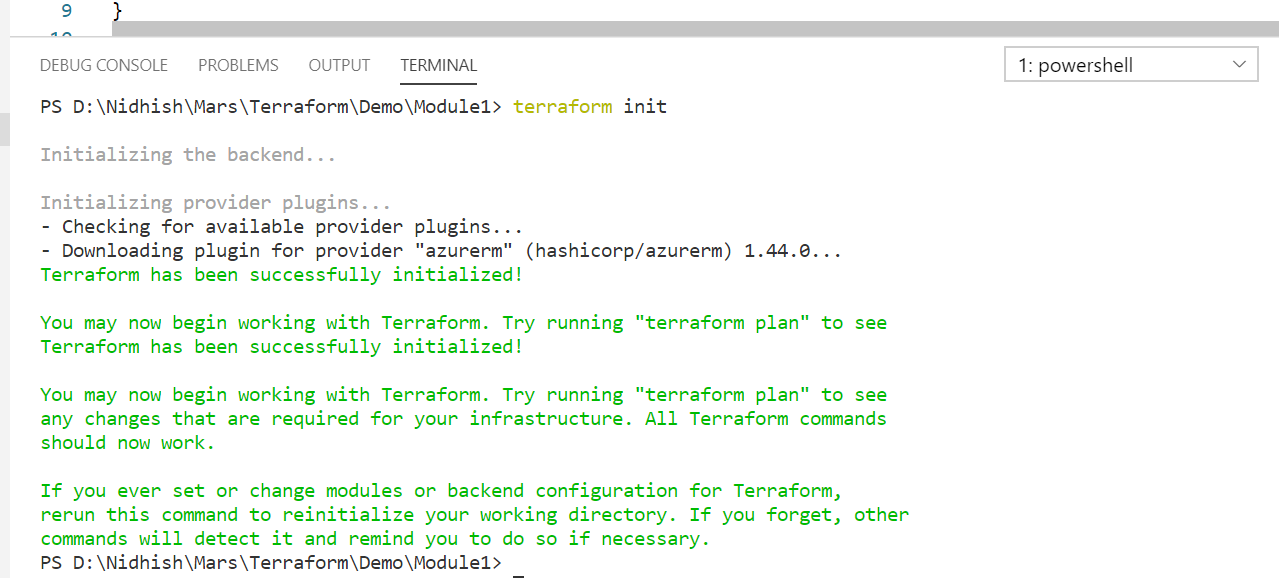
# Create resource group using terraform script

<https://www.terraform.io/docs/providers/azurerm/r/resource_group.html>

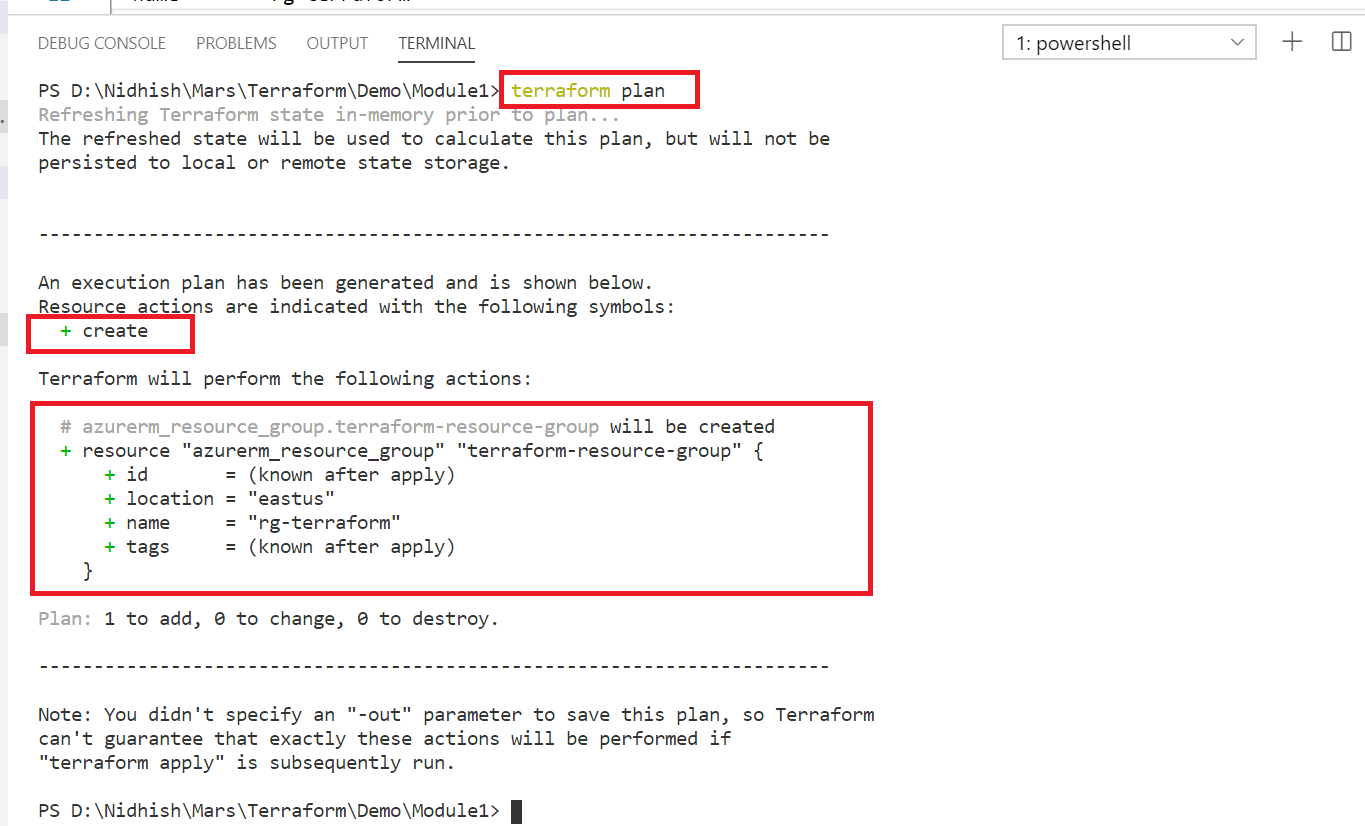
1. Visual studio code 🡪 create following **empty** files\
   1. Main.tf
   2. Variables.tf
   3. Terraform.tfvars
2. Update Main.tf



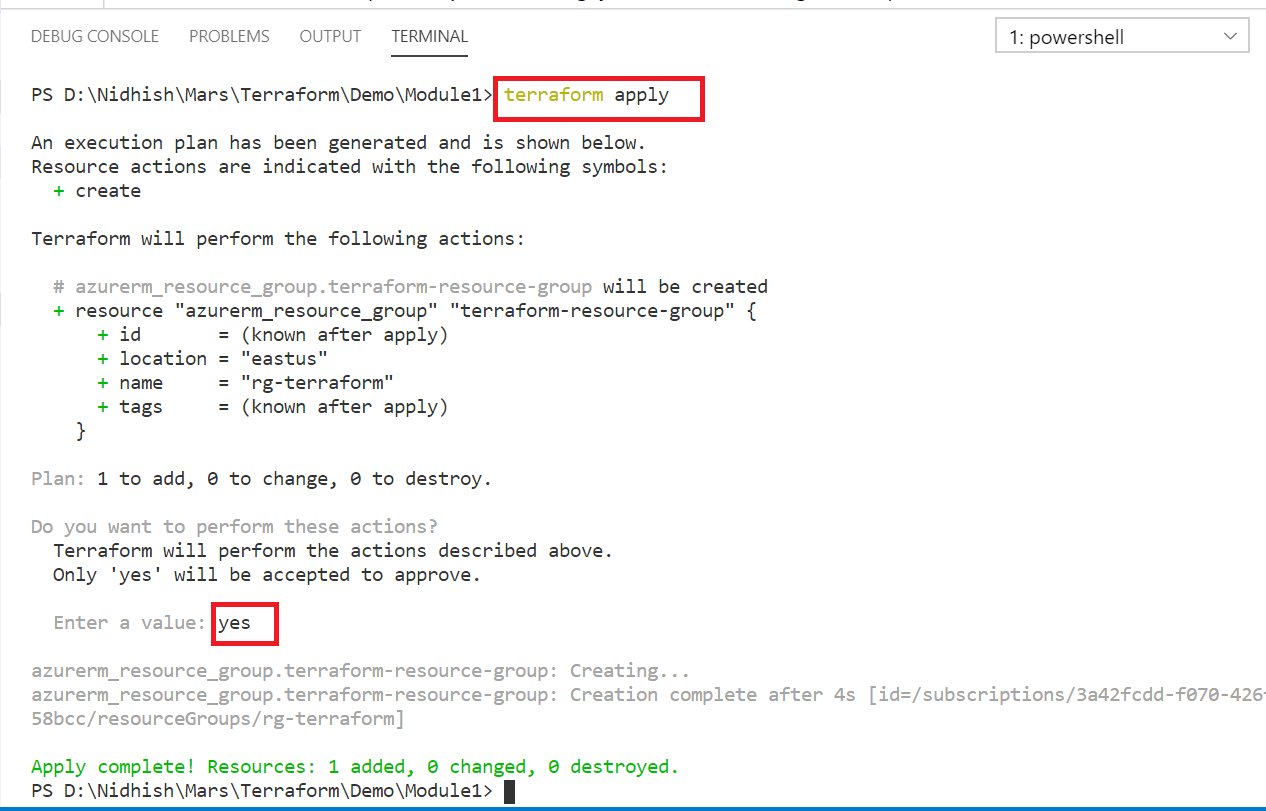
1. Initialize Terraform



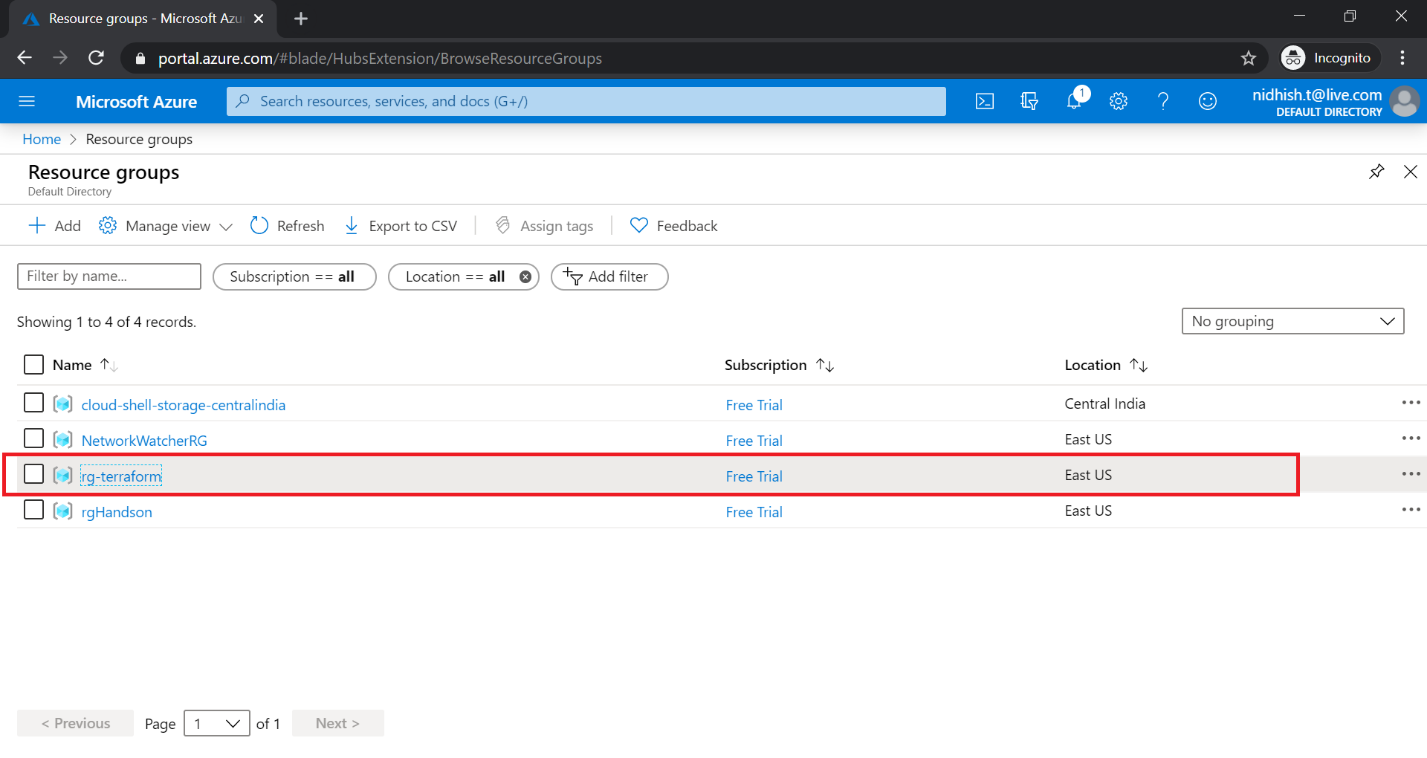
1. Terraform plan



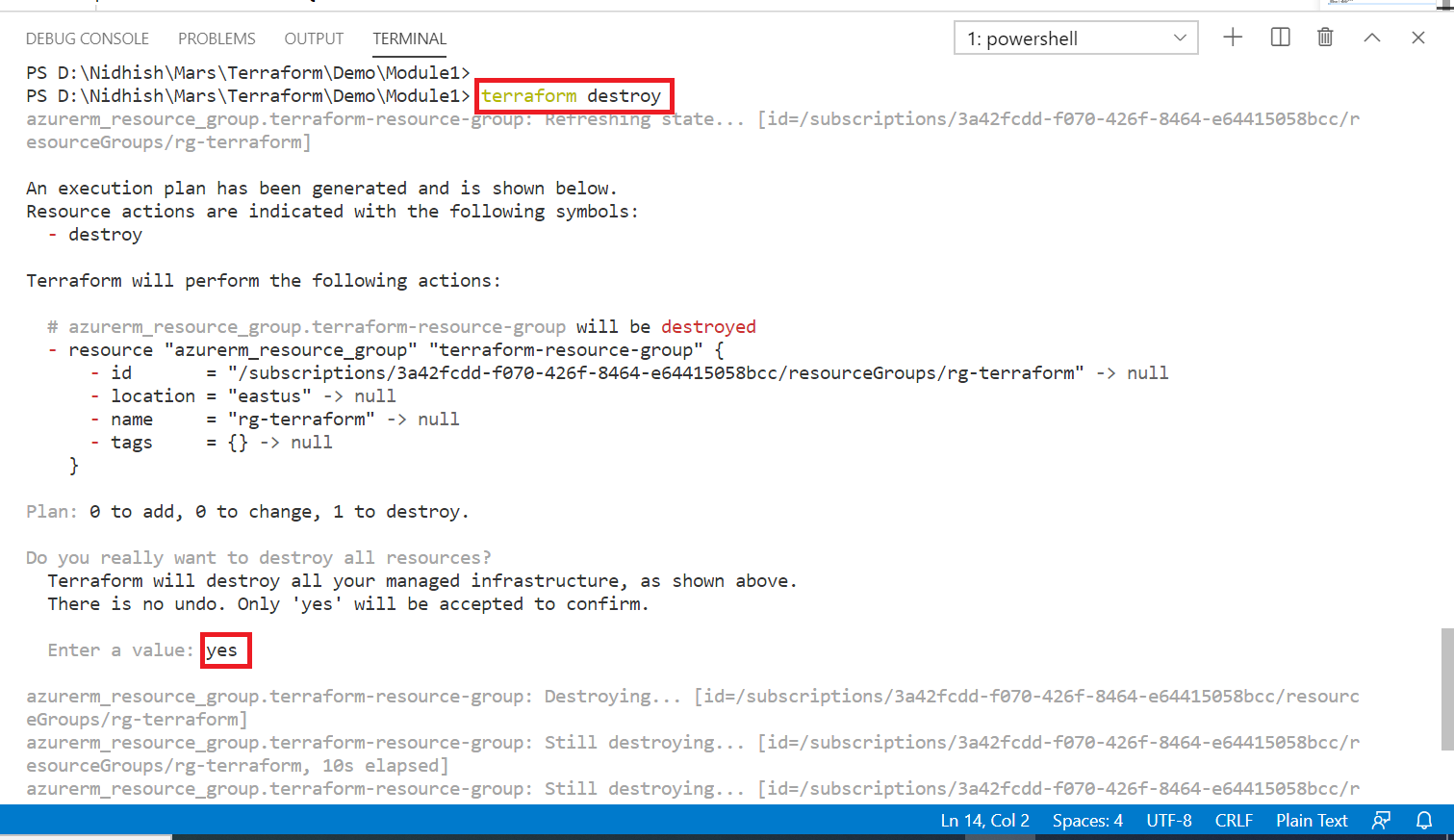
1. Terraform apply



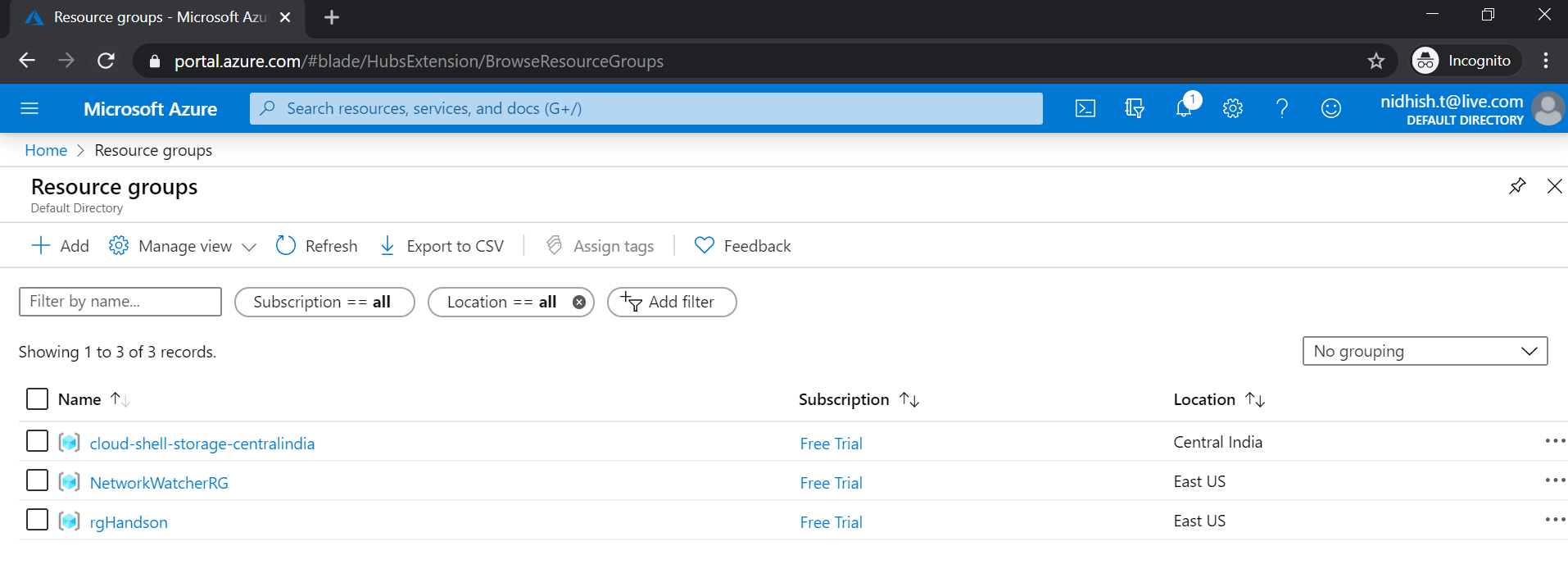
1. Verify in azure portal



1. Terraform destroy



1. Verify in Azure portal



# Create Azure SQL using terraform

<https://www.terraform.io/docs/providers/azurerm/r/sql_database.html>

# Reference

[Skyline youtube](https://www.youtube.com/watch?v=cDjYRmKYOCc&list=PLD7svyKaquTlE9dErhMazFhWbSSCfMP_4&index=2)