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Lab Exercise 6– Terraform Multiple tfvars Files

Objective:

Learn how to use multiple tfvars files in Terraform for different

environments.

Prerequisites:

• Terraform installed on your machine.

• Basic knowledge of Terraform configuration and variables.

Steps:

1. Create a Terraform Directory:

• Create Terraform Configuration Files:

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• Create a file named main.tf:

# main.tf

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• Create a file named variables.tf:

# variables.tf

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2. Create Multiple tfvars Files:

•Create a file named dev.tfvars:

# dev.tfvars

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•Create a file named prod.tfvars:

# prod.tfvars

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•In these files, provide values for the variables based on the environments.

3. Initialize and Apply for Dev Environment:

•Run the following Terraform commands to initialize and apply the

configuration

for the dev environment:

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4. Initialize and Apply for Prod Environment:

•Run the following Terraform commands to initialize and apply the

configuration

for the prod environment:

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5. Test and Verify:

•Observe how different tfvars files are used to set variable values for different

environments during the apply process.

•Access the AWS Management Console or use the AWS CLI to verify the

creation of

resources in the specified regions and instance types.

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6. Clean Up:

•After testing, you can clean up resources:

terraform destroy -var-file=dev.tfvars

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terraform destroy -var-file=prod.tfvars

•Confirm the destruction by typing yes.

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