Using Workspaces for Multiple Environments



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Overview



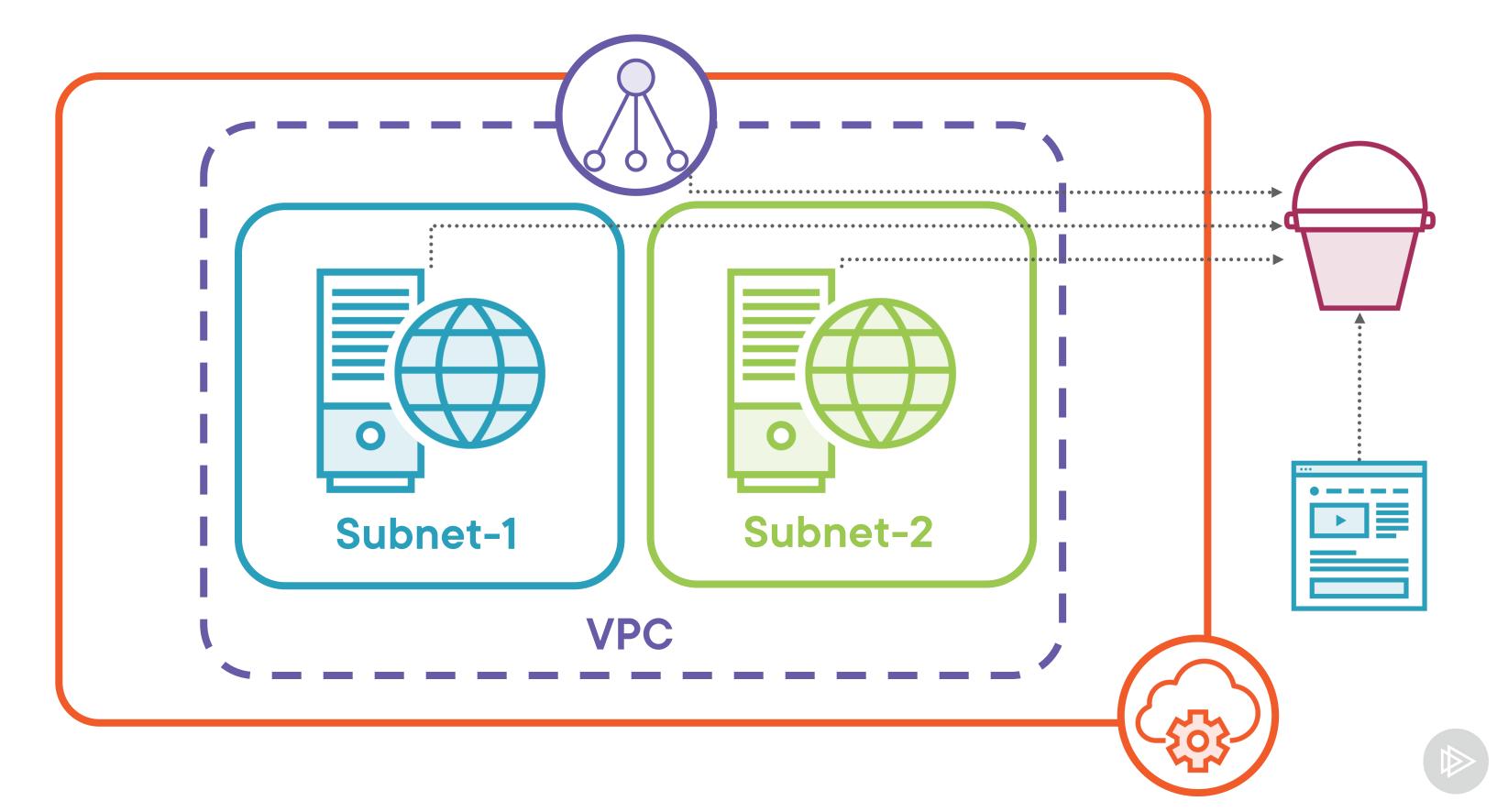
Globomantics expansion
Reusing configurations

Using workspaces



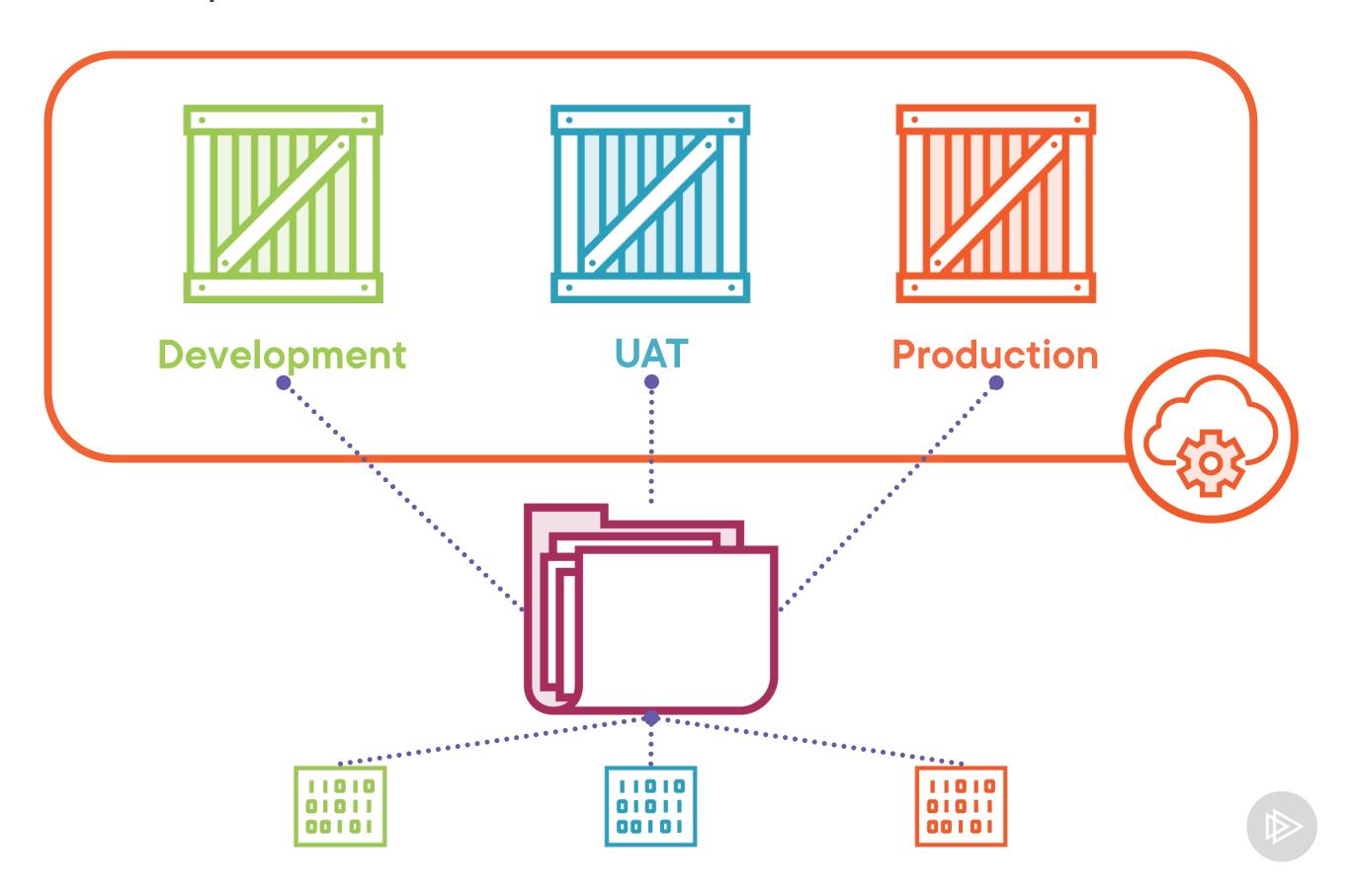
Globomantics Scenario

Development Environment



Multiple Environments

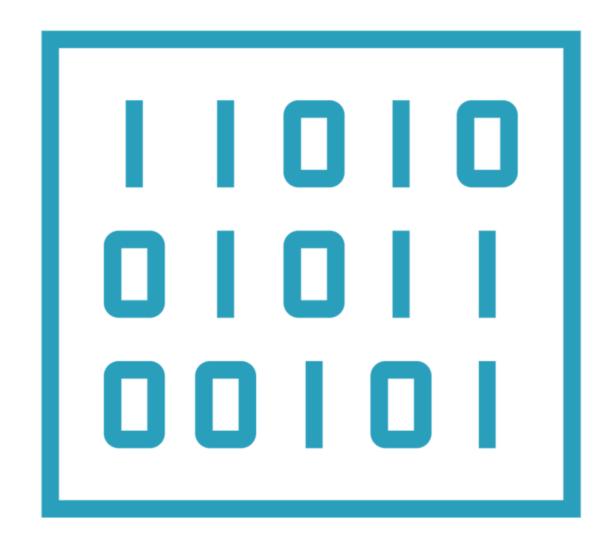




Terraform Workspaces



Multiple Environments



Commonality and differences

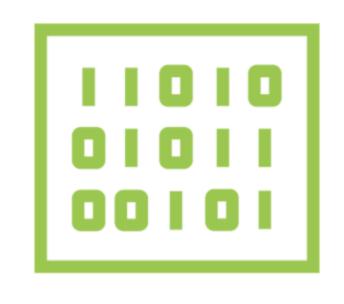
Abstractions and reuse

Production access

Using workspaces

Multiple Environment Decisions









State management

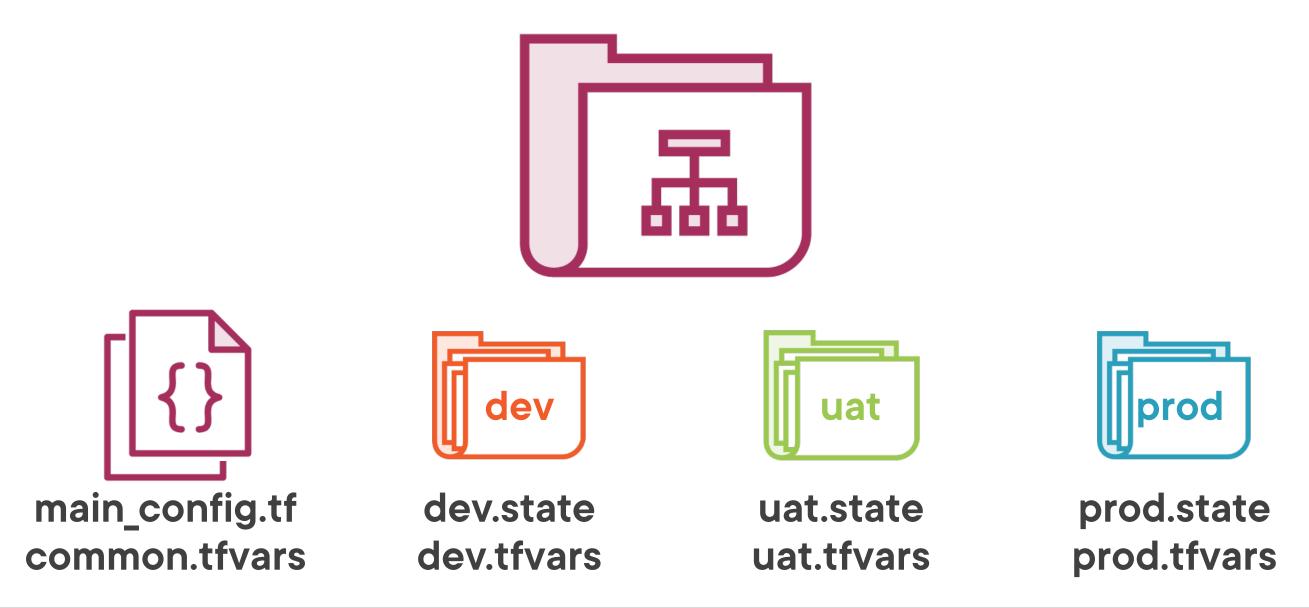
Variable values

Credentialsmanagement

Complexity and overhead



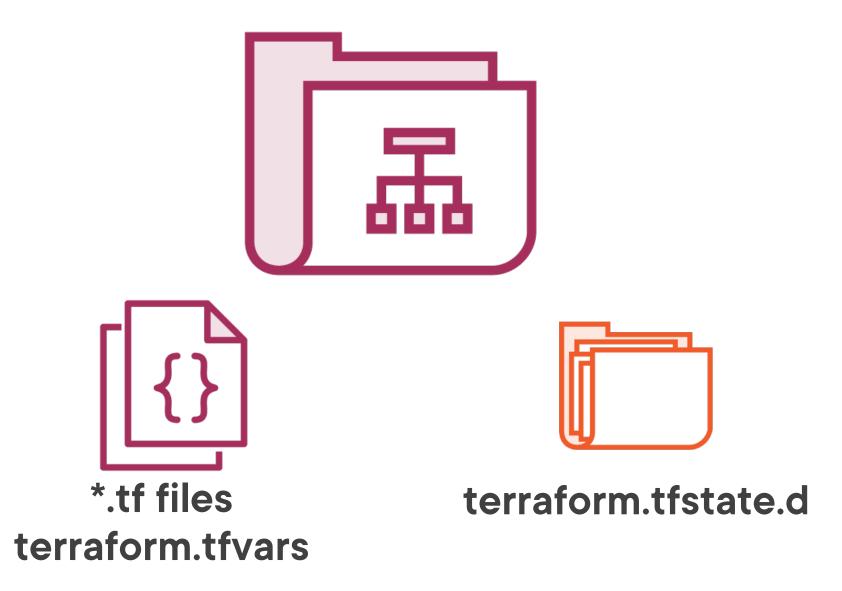
State File Example



terraform plan -state=".\dev\dev.state"

- -var-file="common.tfvars"
- -var-file=".\dev\dev.tfvars"

Workspace Example



terraform workspace new dev terraform plan

Variable Values

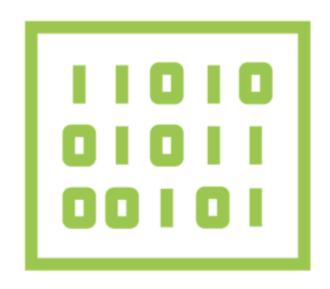






Variables	Development	UAT	Production
VPC CIDR block	10.0.0.0/16	10.1.0.0/16	10.2.0.0/16
VPC subnet count	2	2	3
Instance type	t2.micro	t2.small	t2.medium
Instance count	2	4	6

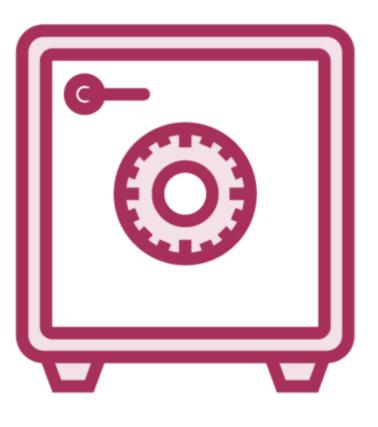
Sensitive Values







Environment variables



Secrets service



Summary



One configuration, multiple environments

Variances between environments

Handling sensitive data

Using Terraform workspaces



Course Summary



Build infrastructure automagically

Ensure consistent repeatable deployment

Reuse existing configurations

Increase your productivity

Make your job better or find a better job!



Next Steps

Terraform courses on Pluralsight

Terraform Associate certification

HashiCorp Vault or Packer

Terraform Tuesdays



Go Build Something Great!



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