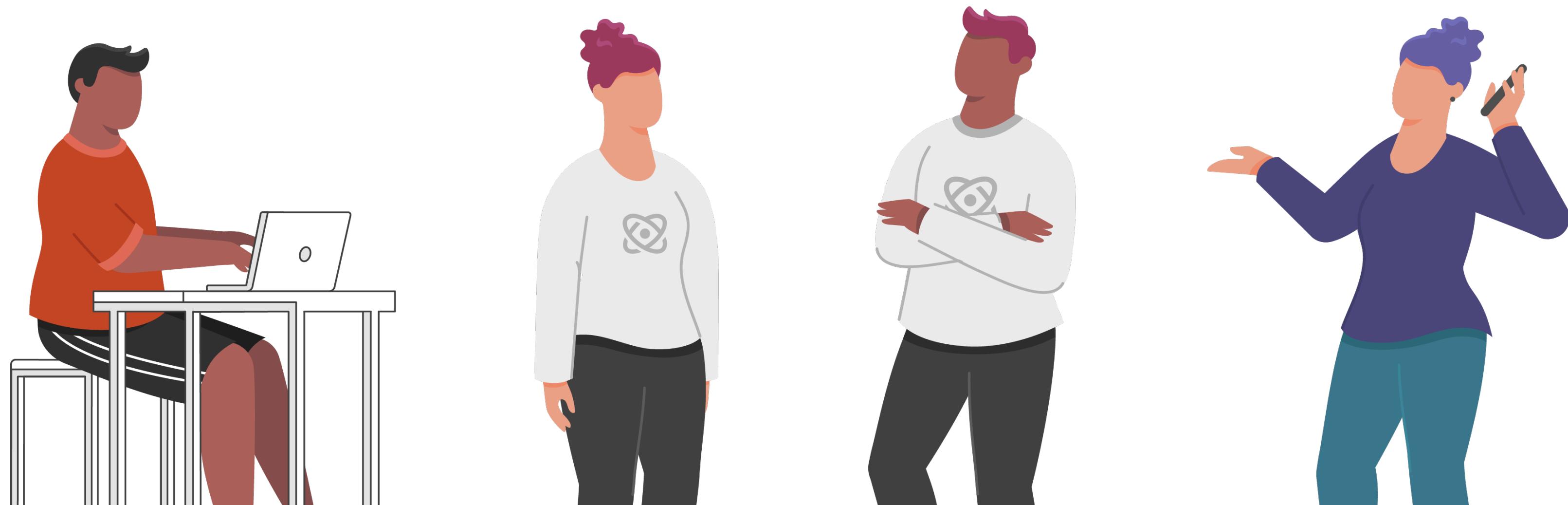


Terraform Configuration Files and Syntax



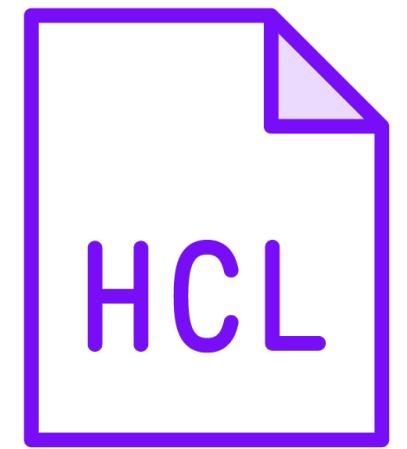
Ned Bellavance
HashiCorp Certified Instructor
nedinthecloud.com

Welcome to Globomantics

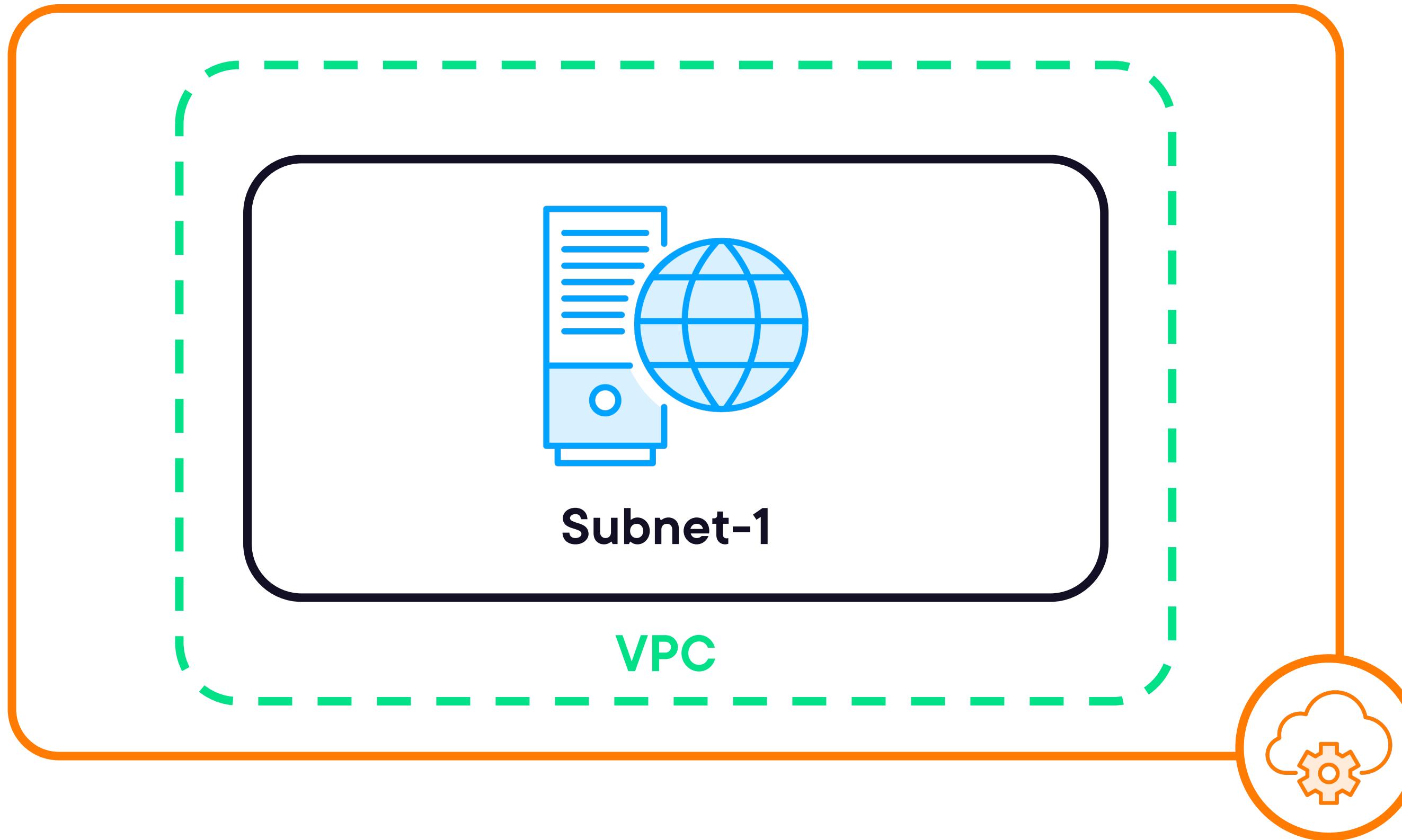


GLOBOMANTICS





Deployment Architecture



Terraform Configuration Files

```
> tree  
.  
├── README.md  
├── main.tf  
├── terraform.tf  
├── nachos.jpg  
└── modules  
    ├── README.md  
    └── tacos.tf
```



Terraform Configuration Files

```
> tree  
.  
├── README.md  
├── main.tf  
├── terraform.tf  
└── nachos.jpg  
modules  
├── README.md  
└── tacos.tf ← Nope
```



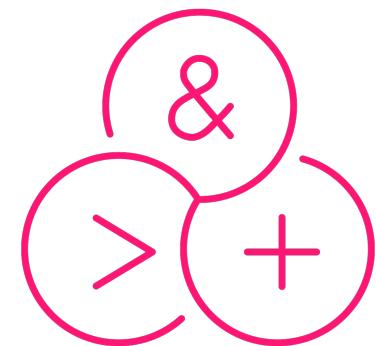
HashiCorp Configuration Language



Human readable and writable



Comment support



Functions and complex expressions



Block Syntax

main.tf

```
block_type "label" "label" {  
    argument_name = expression  
    nested_block {  
        argument_name = expression  
    }  
}
```



Block Syntax

main.tf

Used by Terraform

```
resource "aws_instance" "web_server" {
```

name = "web-server" ← Used by AWS

```
    ebs_volume {  
        size = 40  
    }
```

```
}
```



```
resource "aws_instance" "web_server" {  
  name = "web-server"  
  ebs_volume {  
    size = 40  
  }  
}
```

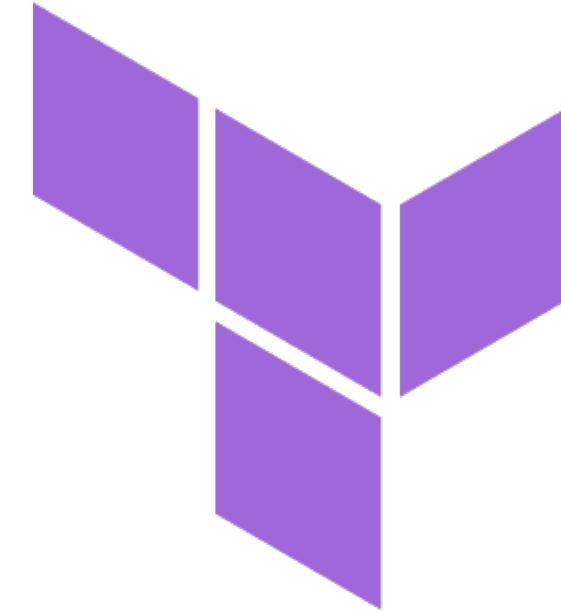
Terraform Object Reference

<resource_type>.<name_label>.<attribute>

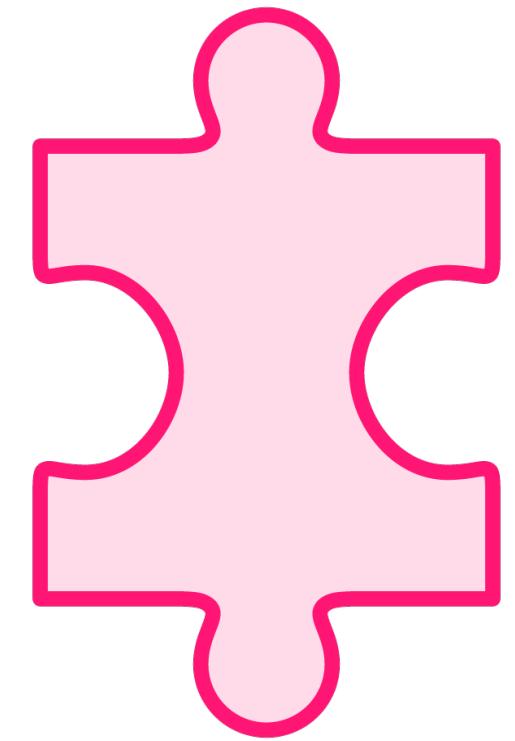
aws_instance.web_server.name



Terraform Block Types



Terraform



Providers



Resources



Data sources



Other Block Types

Variable

Output

Local

