

## TERRAFORM – VS – BOTO

- ▶ Boto and the like, are libraries used to provide native access to different cloud providers and services through their APIs. This gives the developer low-level programmatic access, but often means they will need to create their own tooling to build and manage their infrastructure.
- ▶ Terraform isn't intended to give such low-level access, but instead a higher level syntax for describing the resources and services that should be created.
- ▶ With the flexible plugin-based models, Terraform can support almost any service that exposes API's

## DOCUMENTATION

► <https://www.terraform.io/docs/index.html>

### aws\_vpc

Provides an VPC resource.

#### Example Usage

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Basic usage:

```
resource "aws_vpc" "main" {  
  cidr_block = "10.0.0.0/16"  
}
```

Basic usage with tags:

```
resource "aws_vpc" "main" {  
  cidr_block      = "10.0.0.0/16"  
  instance_tenancy = "dedicated"  
  
  tags {  
    Name = "main"  
  }  
}
```

#### Argument Reference

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The following arguments are supported:

- `cidr_block` - (Required) The CIDR block for the VPC.
- `instance_tenancy` - (Optional) A tenancy option for instances launched into the VPC
- `enable_dns_support` - (Optional) A boolean flag to enable/disable DNS support in the VPC. Defaults true.