

# Terraform – Getting Started

## What You Need to Know About Infrastructure as Code



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# Module Overview



**Defining Infrastructure as Code**

**Exploring core concepts**

**Discovering the benefits of IaC**



**Provisioning infrastructure  
through software to  
achieve consistent and  
predictable environments.**



# Core Concepts

Defined in code

Stored in source  
control

Declarative or  
imperative



# Declarative or Imperative

```
# Make me a taco
```

```
get shell
```

```
get beans
```

```
get cheese
```

```
get lettuce
```

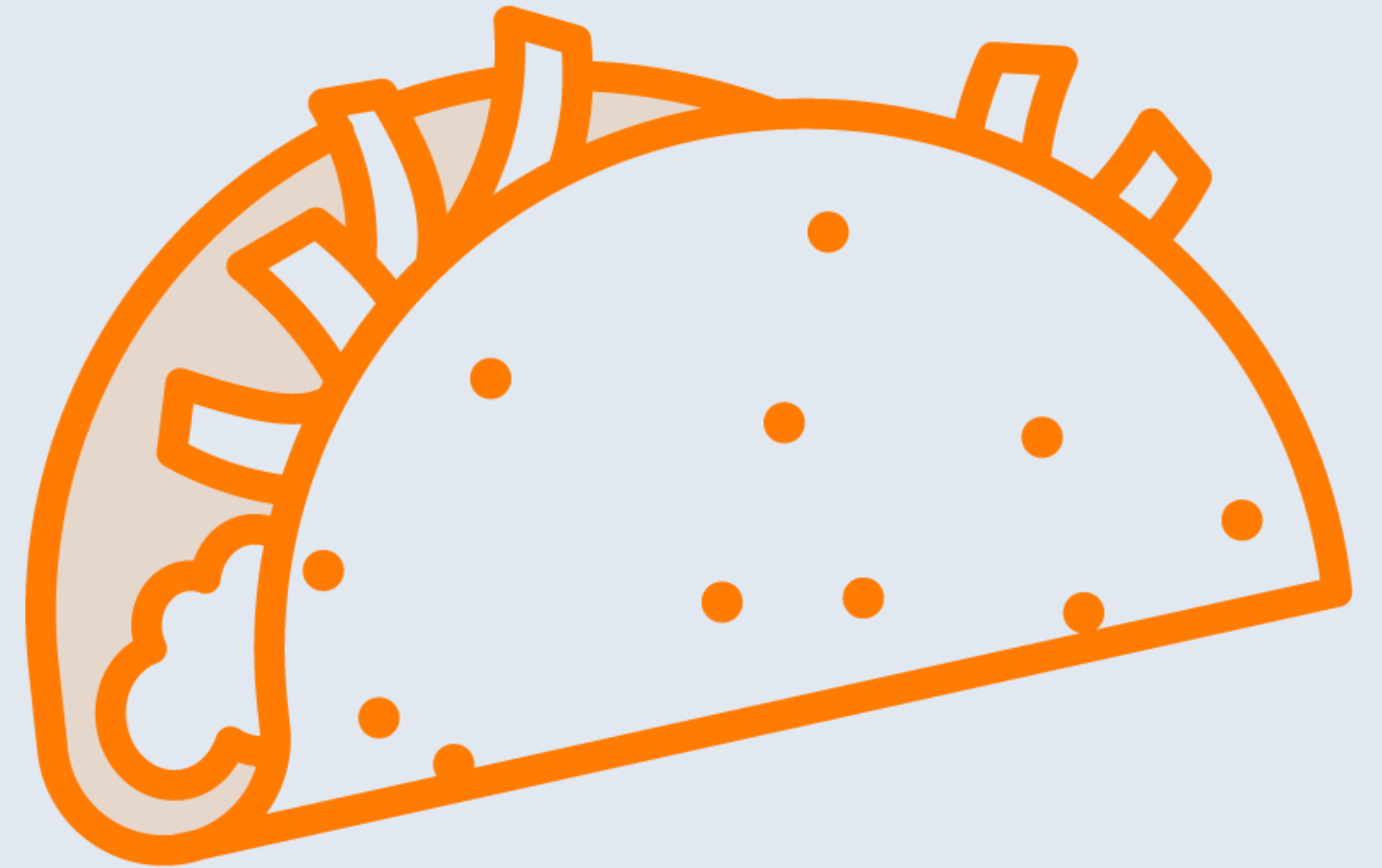
```
get salsa
```

```
put beans in shell
```

```
put cheese on beans
```

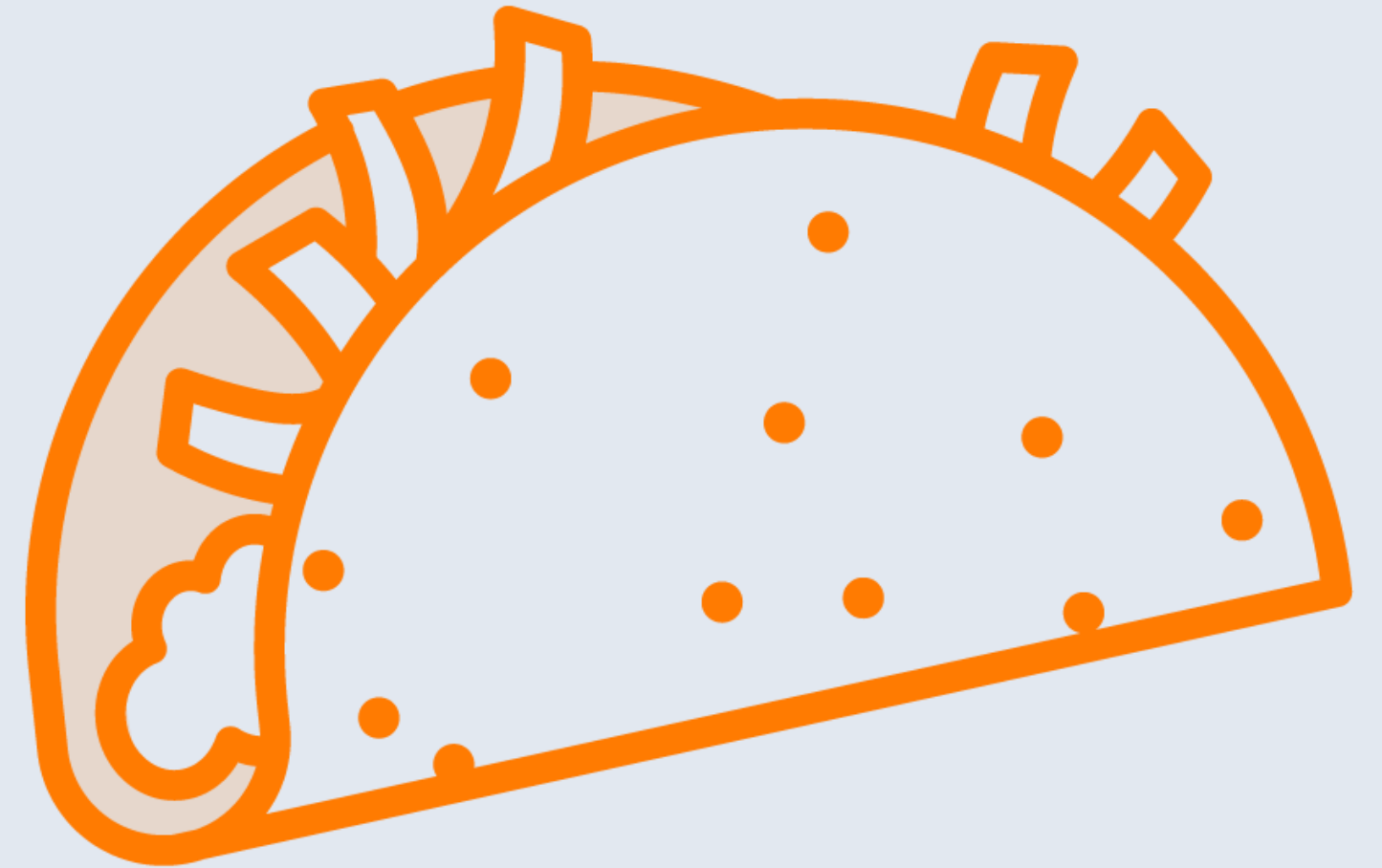
```
put lettuce on cheese
```

```
put salsa on lettuce
```



# Declarative or Imperative

```
# Make me a taco
food taco "bean-taco" {
  ingredients = [
    "beans", "cheese",
    "lettuce", "salsa"
  ]
}
```



# Core Concepts

Defined in code

Stored in source  
control

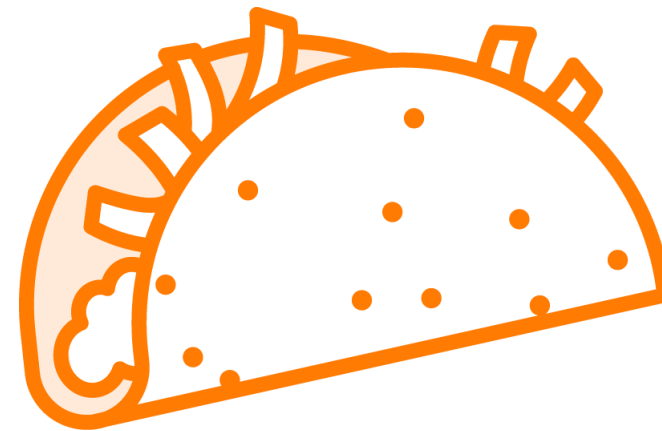
Declarative or  
imperative

Idempotent and  
consistent



# Idempotent

Make me a  
taco



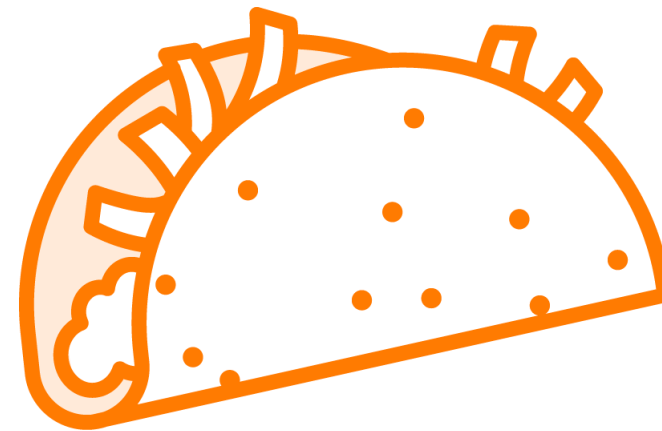
Here's a  
taco





# Idempotent

Make me a  
taco



Umm... you  
have a taco



# Core Concepts

Defined in code

Stored in source  
control

Declarative or  
imperative

Idempotent and  
consistent

Push or pull

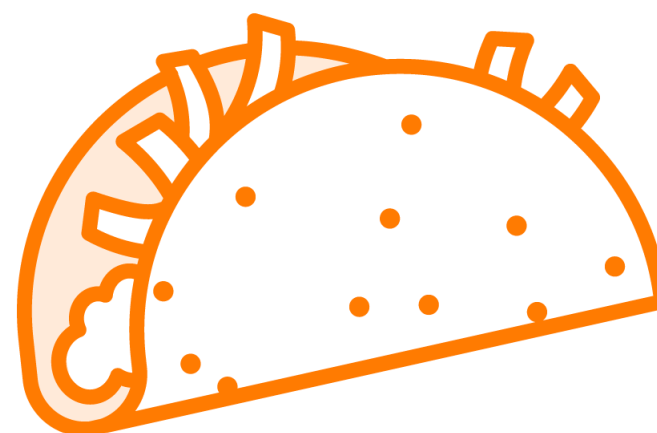


# Push or Pull

Thanks!



Take this  
taco

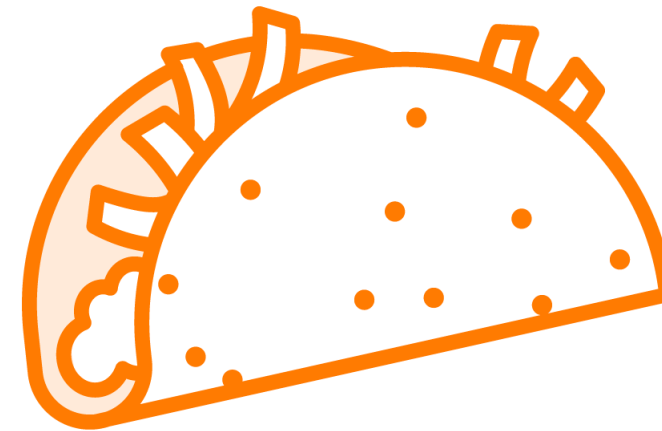


# Push or Pull

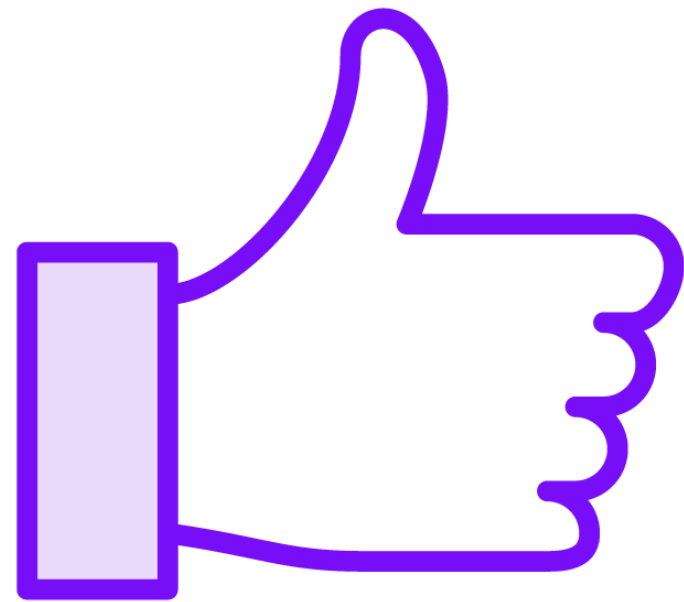
Give me  
the taco



Sure!



# Infrastructure as Code Benefits



**Reusable components**

**Automated deployment**

**Repeatable process**

**Consistent environments**

**Documented architecture**



# Module Summary



**Infrastructure as code isn't scary**

**Manual processes are the enemy**

**When in doubt have a taco**



**Up Next:**

# **Deploying Your First Terraform Configuration**

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