Terraform – Getting Started

What You Need to Know About Infrastructure as Code

Ned Bellavance
HashiCorp Ambassador

@ned1313 | nedinthecloud.com

Module Overview

Defining Infrastructure as Code

Exploring core concepts

Discovering the benefits of IaC

Provisioning infrastructure through software to achieve consistent and predictable deployments.

Core Concepts

Defined in code

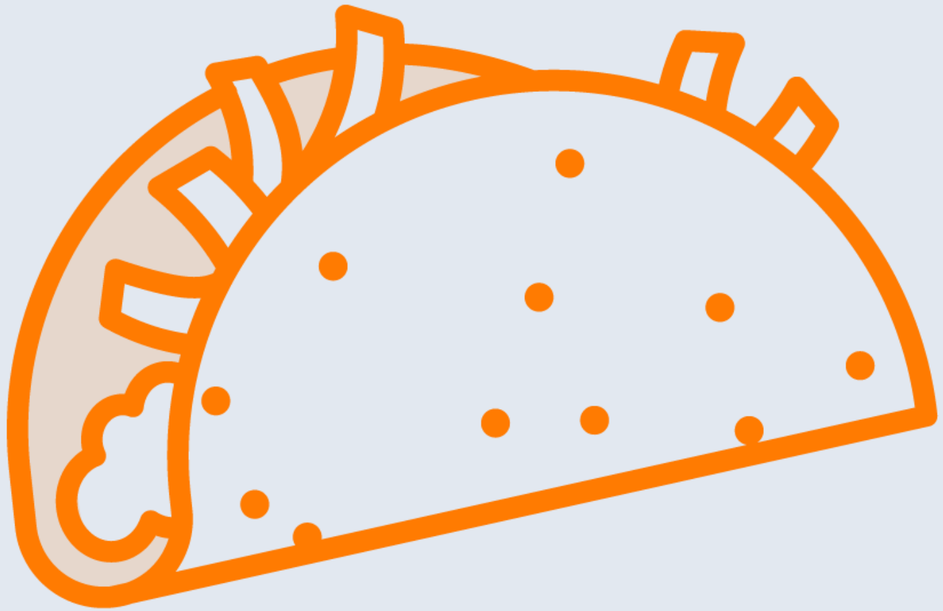
Stored in source control

Declarative or imperative

Declarative or Imperative

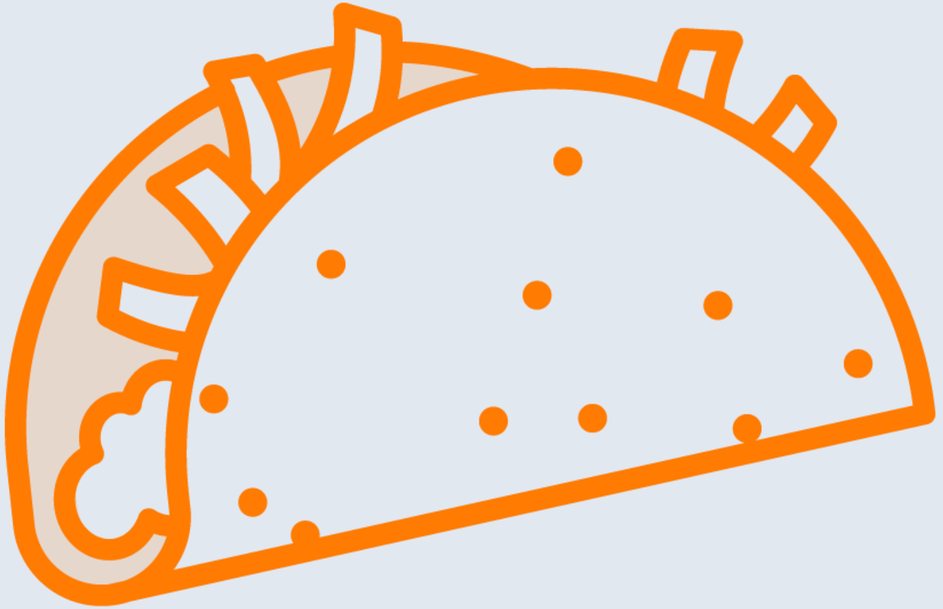
```
# Make me a taco
get shell
get beans
get cheese
get lettuce
get salsa

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

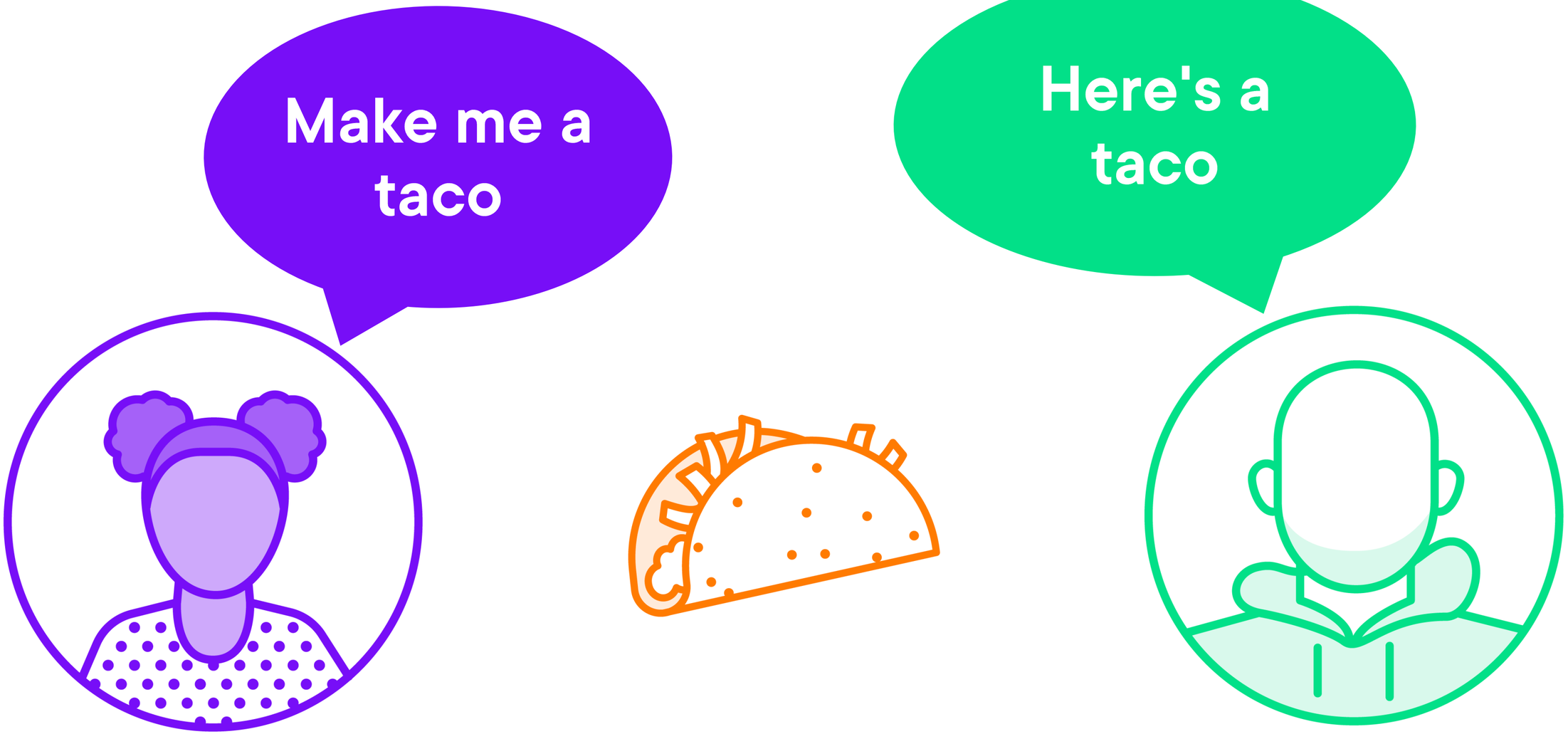
Defined in code

Stored in source control

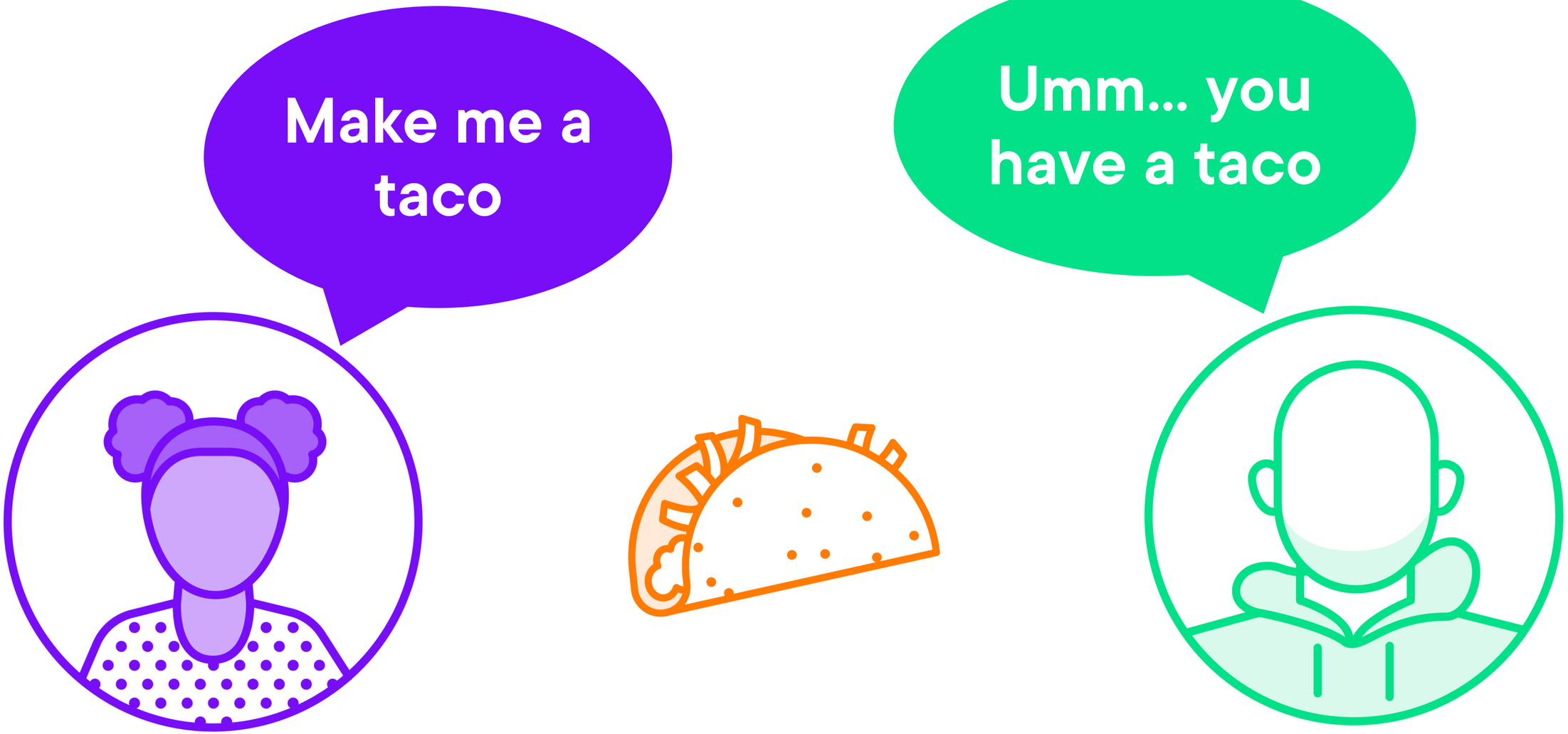
Declarative or imperative

Idempotent and consistent

Idempotent



Idempotent



Core Concepts

Defined in code

Stored in source control

Declarative or imperative

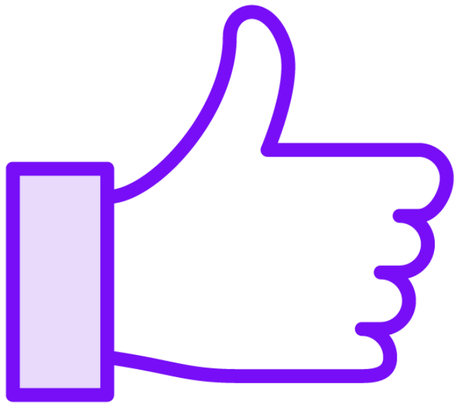
Idempotent and consistent

Push or pull

Push or Pull

Push or Pull

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