Terraform – Getting Started

WHAT YOU NEED TO KNOW ABOUT INFRASTRUCTURE AS CODE

Ned Bellavance
MICROSOFT AZURE MVP

@ned1313 | nedinthecloud.com

Overview

Infrastructure as Code defined

Core concepts

Benefits of using 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

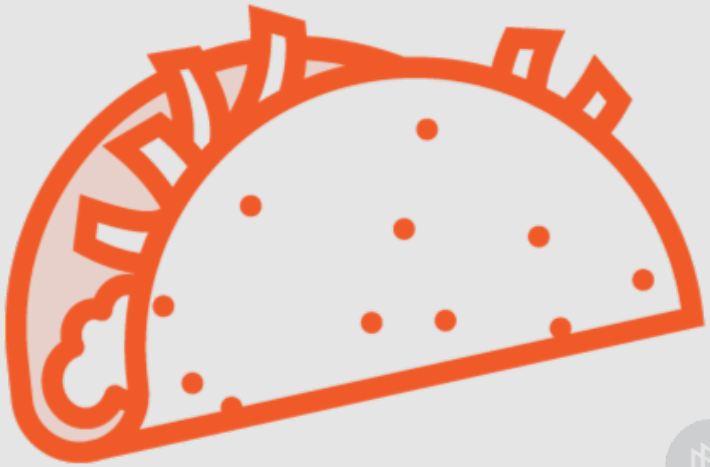
#Make me a taco

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

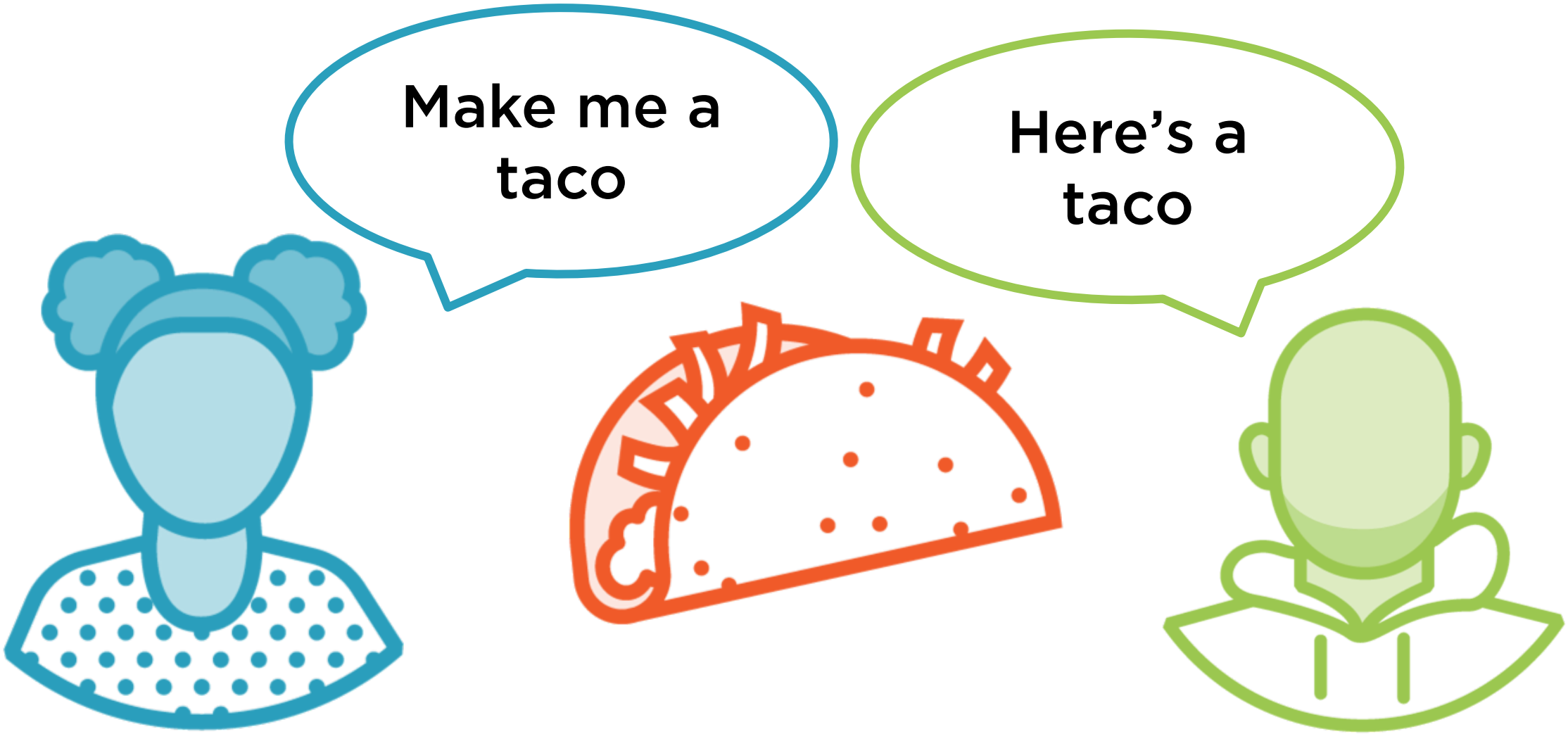
Defined in code

Stored in source control

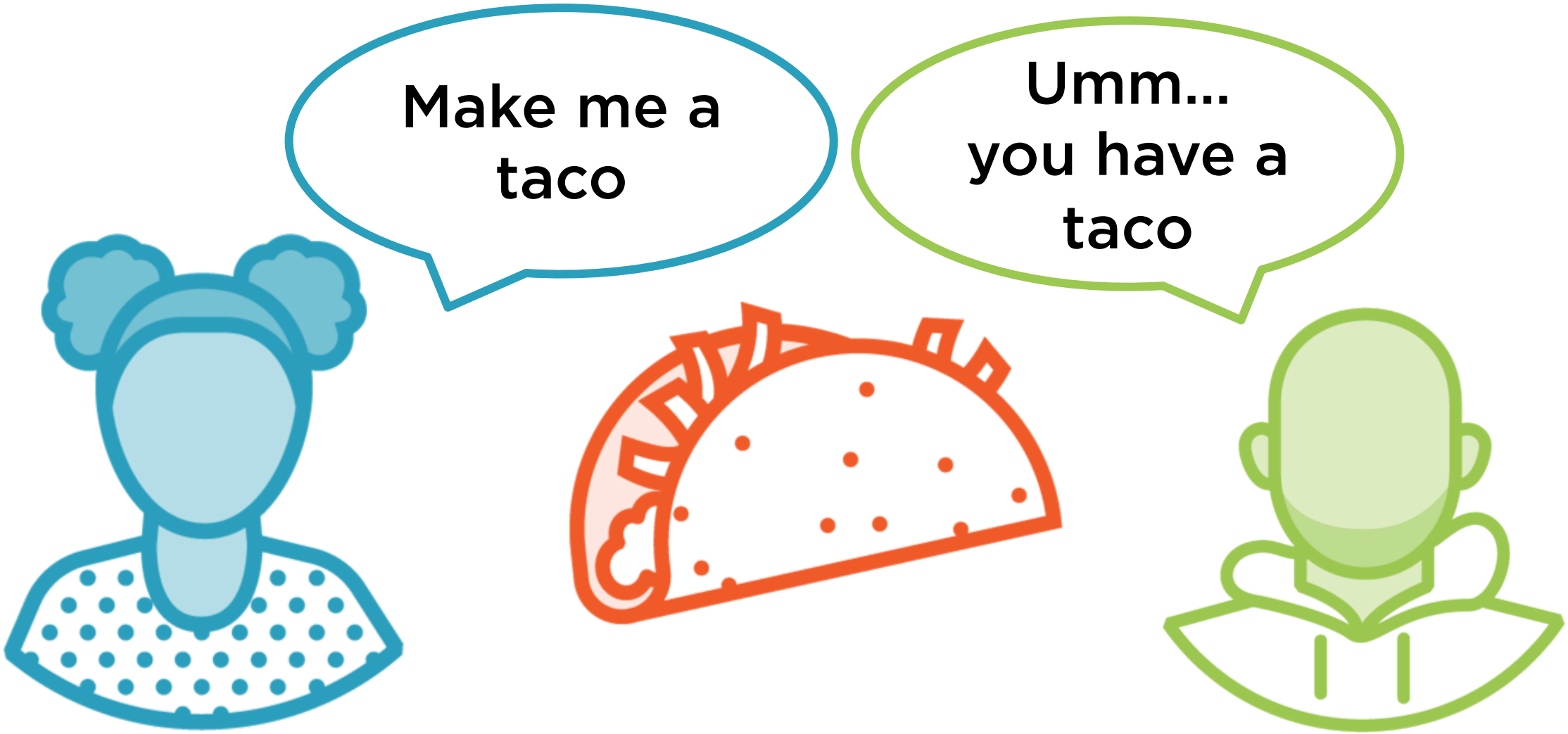
Declarative or imperative

Idempotent and consistent

Idempotent



Idempotent



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Push or pull

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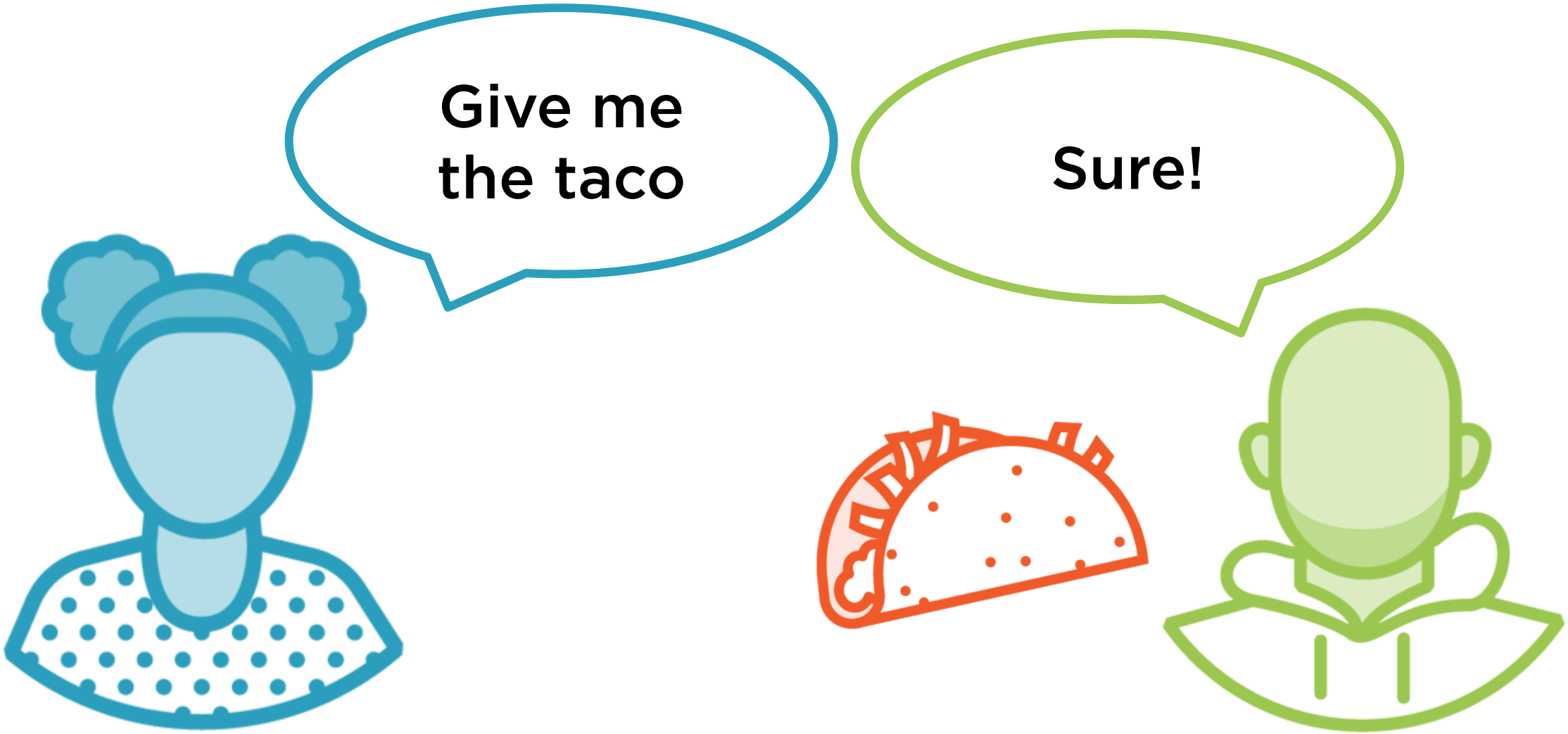

Infrastructure as Code Benefits

- Automated deployment
- Consistent environments
- Repeatable process
- Reusable components
- Documented architecture

Summary

Infrastructure as code isn't scary

Manual processes are the enemy

When in doubt have a taco

Coming up:

- Deploy a Terraform configuration