

Configuration Management

The bottom of the slide features two horizontal blue bars. The first bar is a solid medium blue rectangle. The second bar is a slightly lighter blue rectangle that overlaps the first one from the right side, creating a layered effect.

Index

What is Configuration
Management

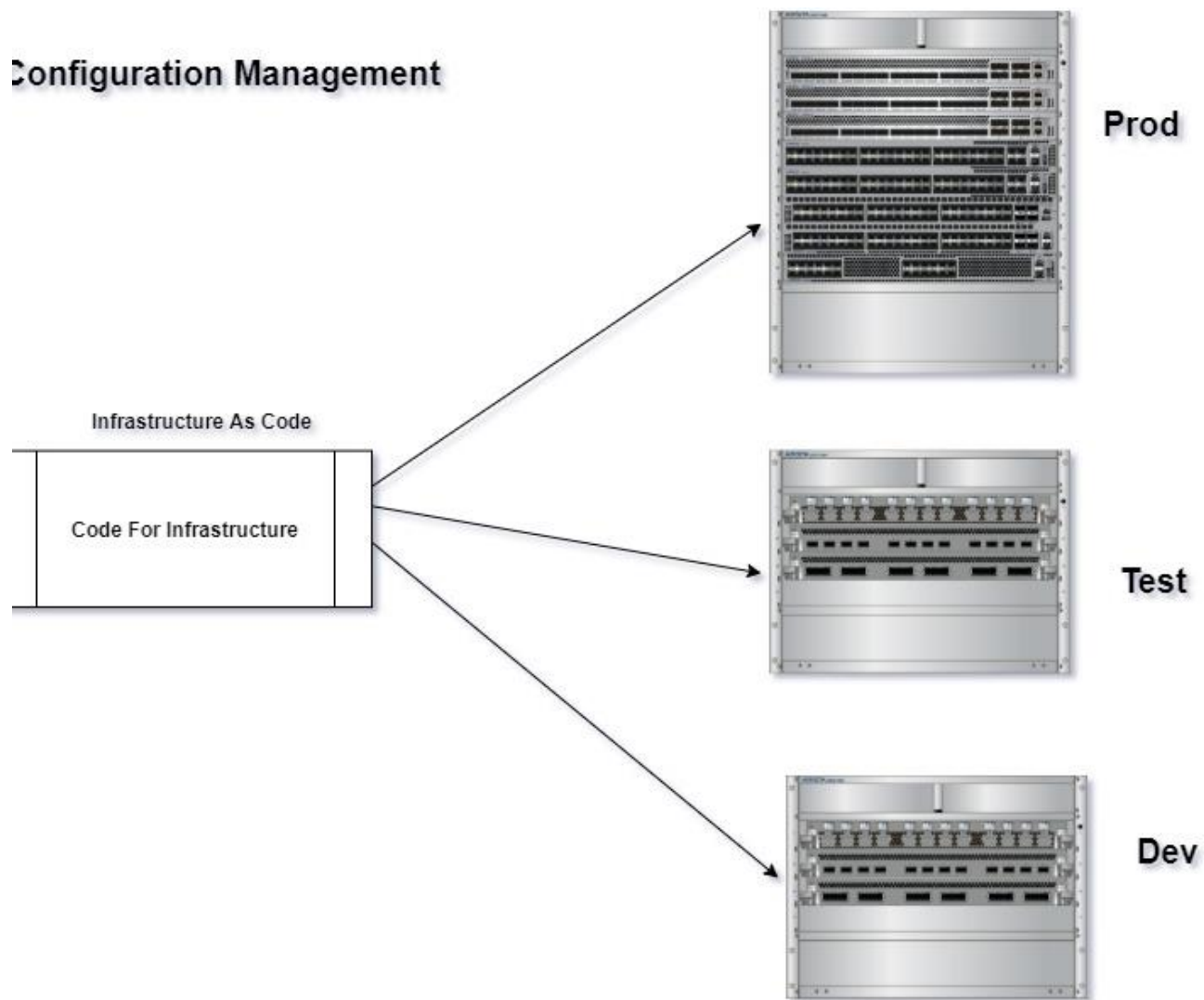
Pull based Model

Push based Model

What is Configuration Management(CM)

- CM is a systems engineering process for establishing and maintaining consistency of a product's performance, functional, and physical attributes with its requirements, design, and operational information throughout its life.

Configuration Management



Configuration
Management

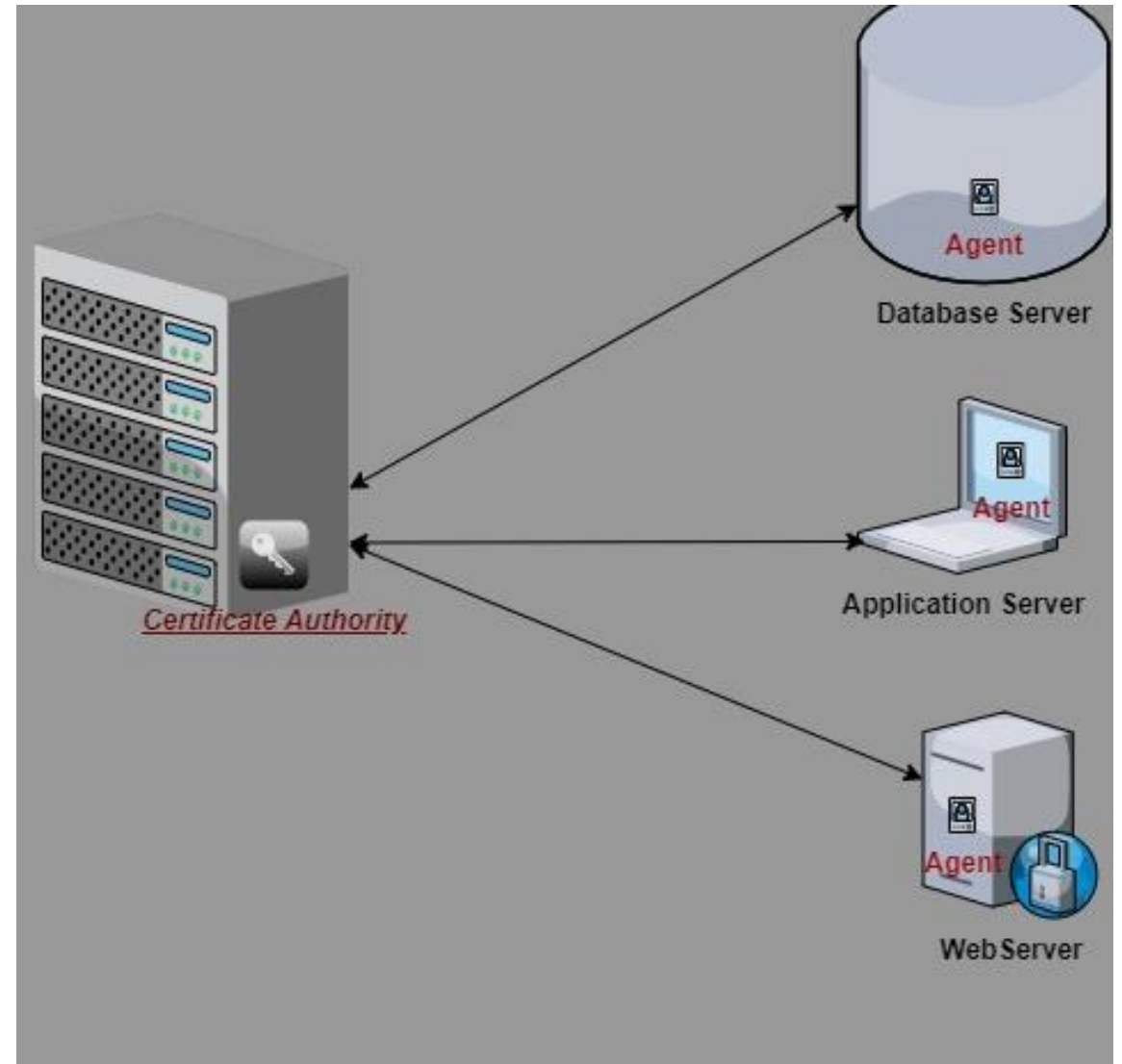
Pull and Push Models

- Configuration Management tools tend to implement one (or both) of these models of management. These are the *ways* a given configuration management tool actually *does the things* it has to do, like installing packages and writing files.



Pull based Model (Puppet)

- The server being provisioned (node) runs an agent (daemon) that asks a central authority (master) if/when it has any updates that it should run.
- Requires a daemon to be installed on all machines *and* a central authority to be setup.



Push based Model (Ansible)

- Centralized server pushes the **configurations** on the nodes

