



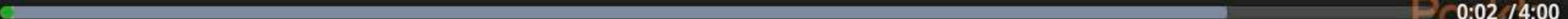
# DevOps for Web Developers

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Mitesh Soni

## Section 6

# Cloud Provisioning and Configuration Management with Chef





## In this Section, we are going to take a look at...

- Chef and cloud provisioning
- Installing knife plugins for Amazon WebServices and Microsoft Azure
- Creating and configuring a virtual machine in Amazon EC2
- Creating and configuring a virtual machine in Microsoft Azure
- Docker containers



# DevOps for Web Developers

Mitesh Soni

Video 6.1

## Chef and Cloud Provisioning



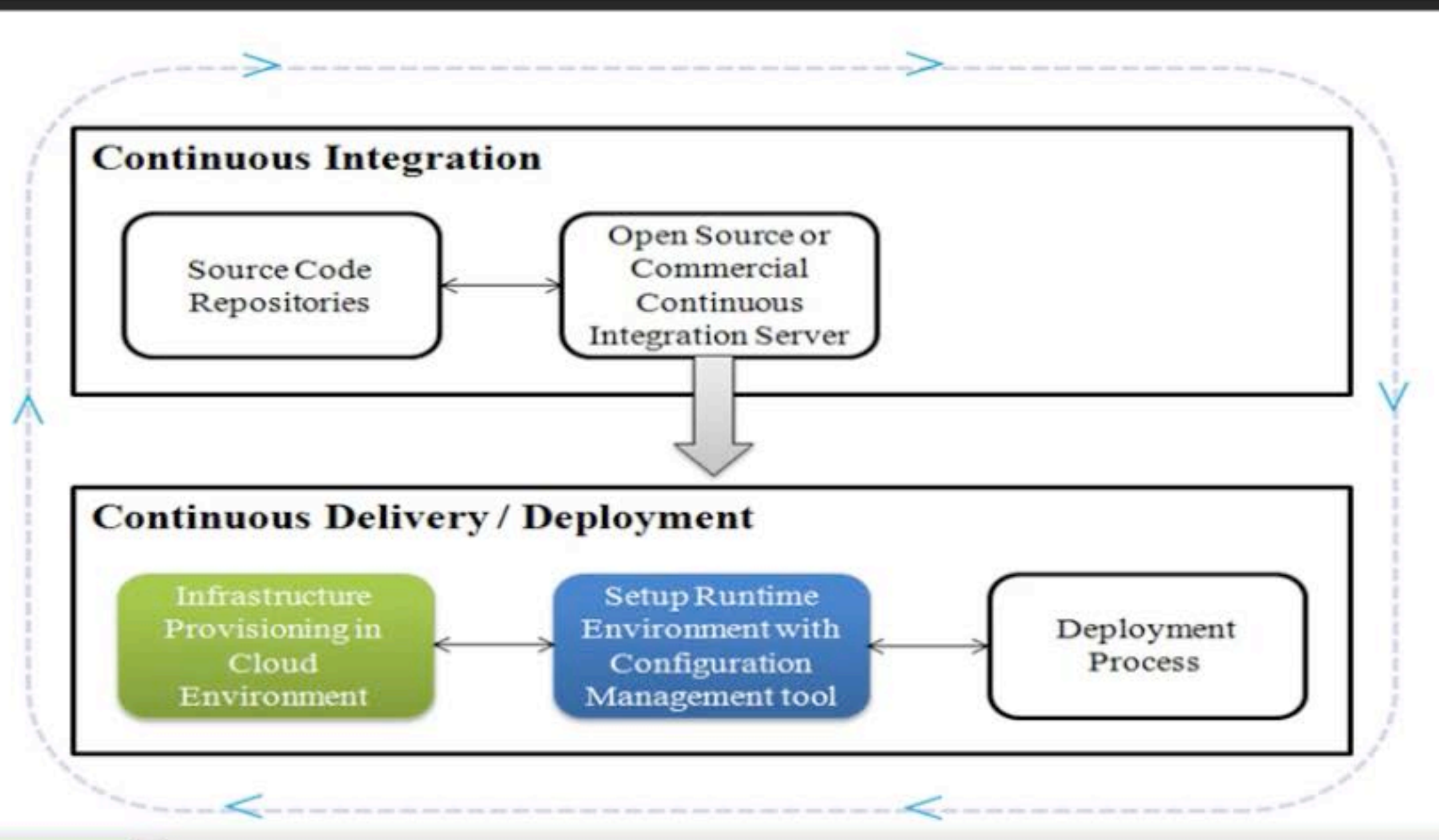


In this Video, we are going to take a look at...

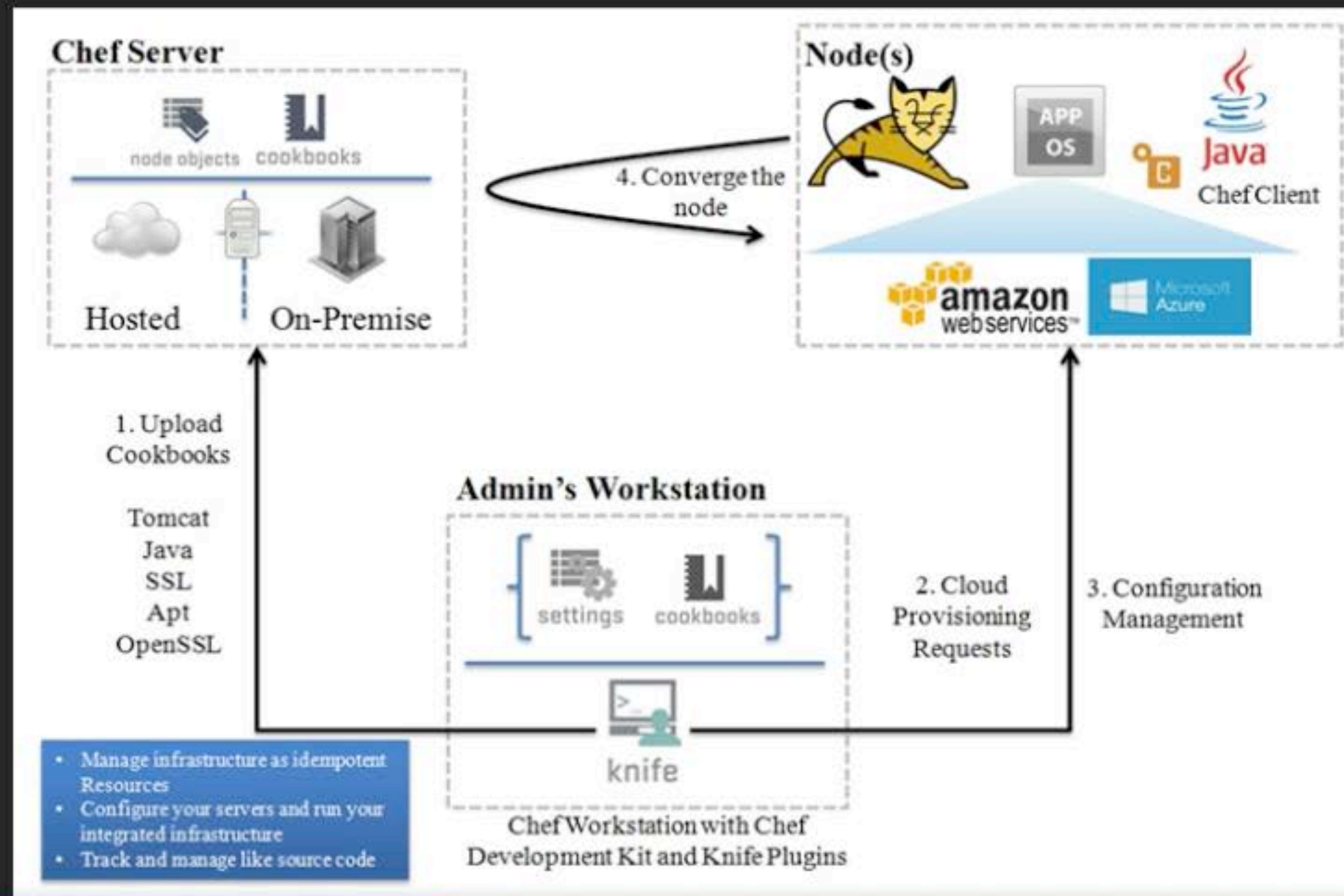
- Creating instances in different cloud environments
- Setting up of a consistent runtime environment



# Cloud Environment Infrastructure



## Configuration Management Tool



# Knife Plugin Using a Chef Workstation

- Chef workstation to CSP: Create a new instance in your cloud environment
- CSP: The new instance is up and running the Chef node is available
- Chef node to Chef server: Hello
- Chef server to Chef node: Here is your task-download the Chef client
- Chef server <-> Chef node
- Chef server to Chef node: The list of recipes you need to install
- Chef node to Chef server: Thank you; I've been updated



# Configuration Management Tool

- Policy enforcement
- Setup a consistent runtime environment
- Build a repeatable infrastructure
- Easy restoration of environments
- Disaster recovery and business continuity
- Support for major cloud service providers through plugins



Next Video

Installing Knife Plugins for Amazon WebServices  
and Microsoft Azure