DevOps for Web Developers

Mitesh Soni

About Me

- 8 years of experience in managing software for GNU/Linux

- Started working as a professional with DevOps from 2013

DevOps for Web Developers

Mitesh Soni

Video 1.1

The Course Overview ▶

The Road Map

Section 1
Getting Started –
DevOps
Concepts, Tools,
and Technologies

Section 3
Building the
Code and
Configuring the
Build Pipeline

Section 5
Installing and
Configuring
Docker

Section 7
Deploying an
Application in
AWS, Azure,
and Docker

Section 9
Orchestrating
Application
Deployment

Continuous
Integration with
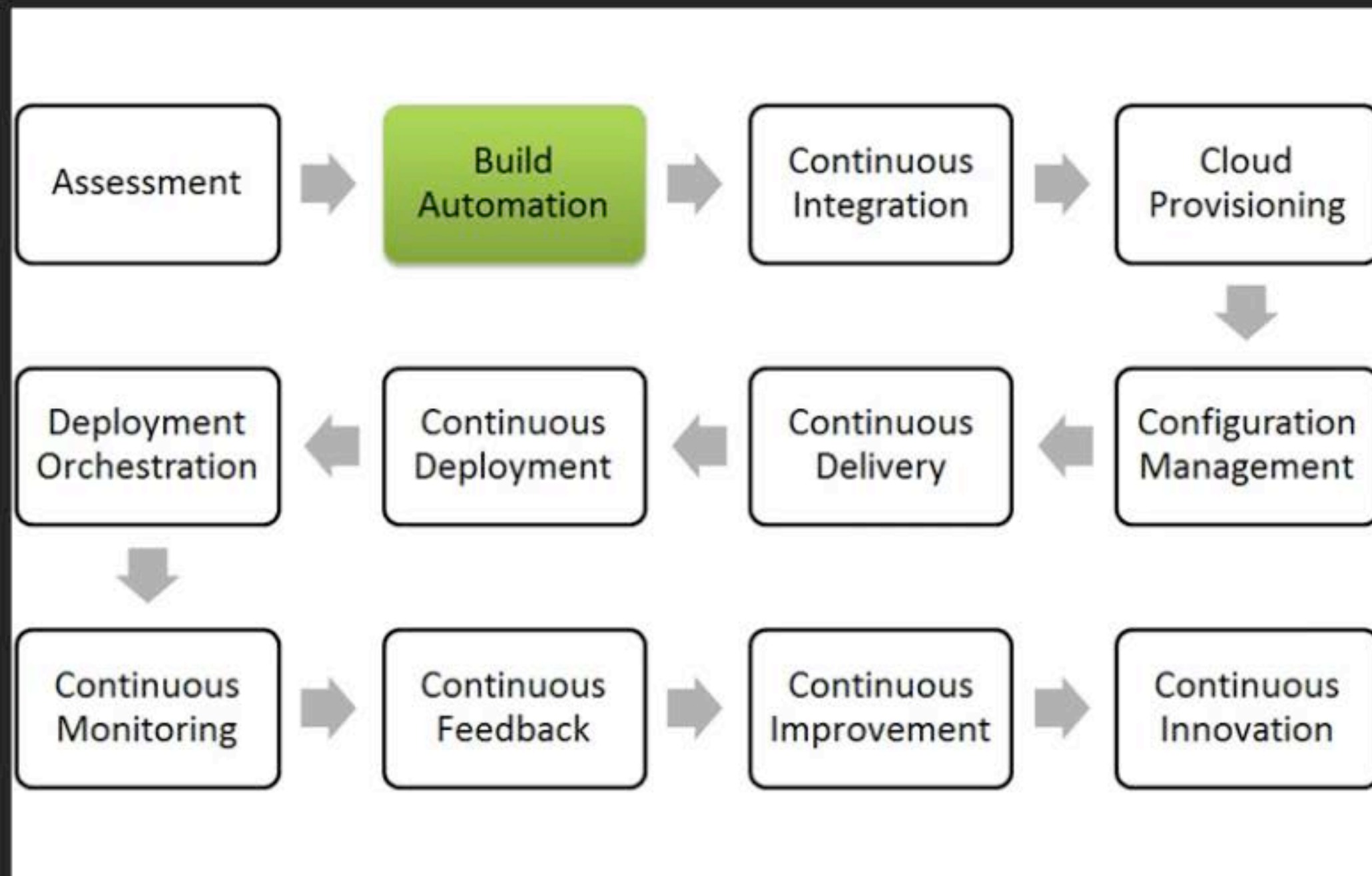Jenkins 2

Section 2

Installing and
Configuring
Chef

Section 4

Cloud Provisioning
and Configuration
Management with
Chef

Section 6

Monitoring
Infrastructure and
Applications

Section 8

Build Automation Pipeline

Assessment →	**Build Automation** →	Continuous Integration →	Cloud Provisioning ↓
Deployment Orchestration ←	Continuous Deployment ←	Continuous Delivery ←	Configuration Management
↓ Continuous Monitoring →	Continuous Feedback →	Continuous Improvement →	Continuous Innovation

Cloud Computing

Build Tools Maven

Jenkins – Software Development Process

Automated Build Execution → Build Status Notifications → Automated Test Execution → Automated Deployment

The Road Map

Section 1
Getting Started –
DevOps
Concepts, Tools,
and Technologies

Section 3
Building the
Code and
Configuring the
Build Pipeline

Section 5
Installing and
Configuring
Docker

Section 7
Deploying an
Application in
AWS, Azure,
and Docker

Section 9
Orchestrating
Application
Deployment

Continuous
Integration with
Jenkins 2

Section 2

Installing and
Configuring
Chef

Section 4

Cloud Provisioning
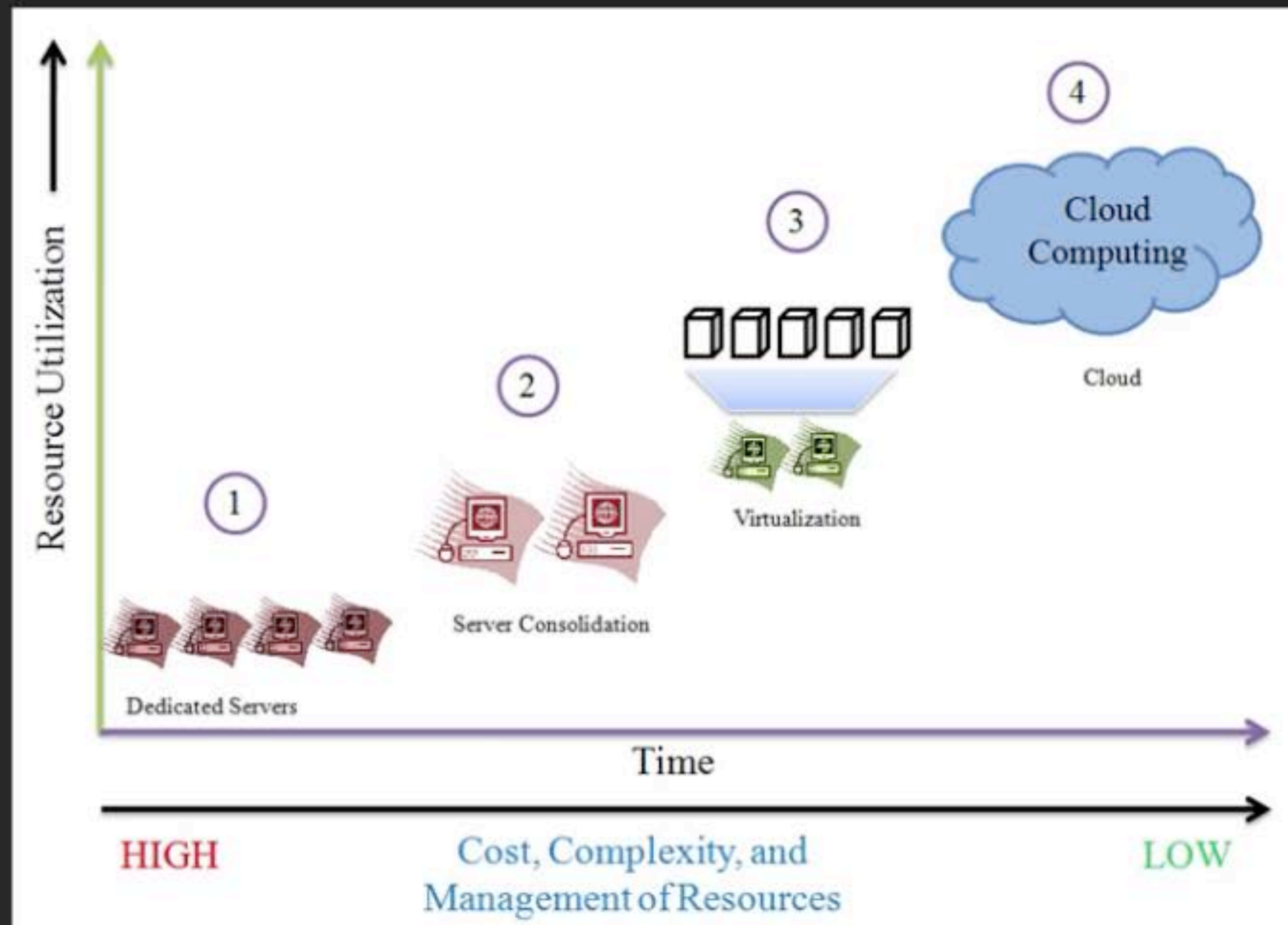and Configuration
Management with
Chef

Section 6
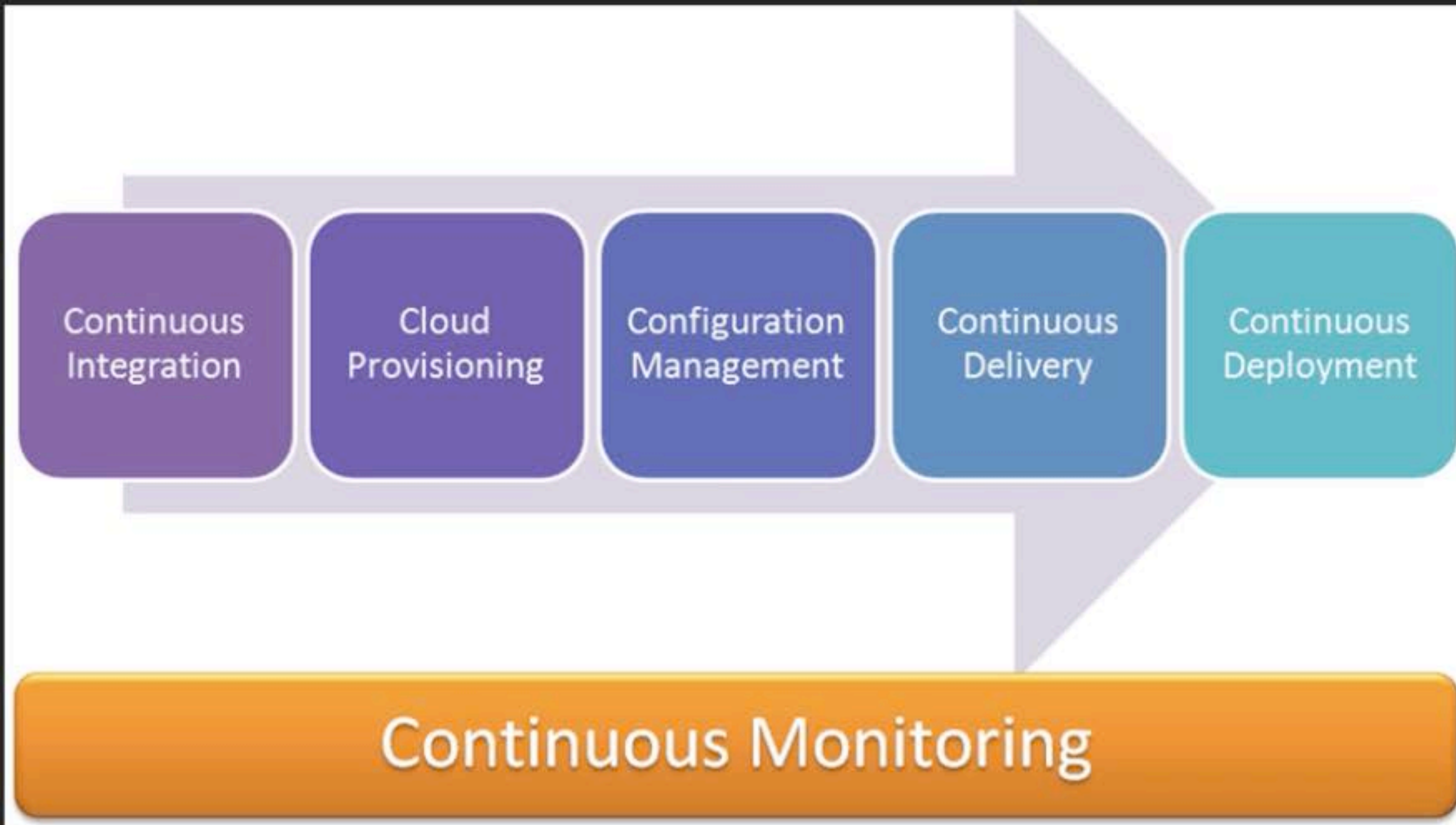
Monitoring
Infrastructure and
Applications

Section 8

Packt>

The Road Map

Section 1
Getting Started –
DevOps
Concepts, Tools,
and Technologies

Section 3
Building the
Code and
Configuring the
Build Pipeline

Section 5
Installing and
Configuring
Docker

Section 7
Deploying an
Application in
AWS, Azure,
and Docker

Section 9
Orchestrating
Application
Deployment

Continuous
Integration with
Jenkins 2

Section 2

Installing and
Configuring
Chef

Section 4

Cloud Provisioning
and Configuration
Management with
Chef

Section 6

Monitoring
Infrastructure and
Applications

Section 8

The Road Map

Section 1
Getting Started –
DevOps
Concepts, Tools,
and Technologies

Section 3
Building the
Code and
Configuring the
Build Pipeline

Section 5
Installing and
Configuring
Docker

Section 7
Deploying an
Application in
AWS, Azure,
and Docker

Section 9
Orchestrating
Application
Deployment

Continuous
Integration with
Jenkins 2

Section 2

Installing and
Configuring
Chef

Section 4

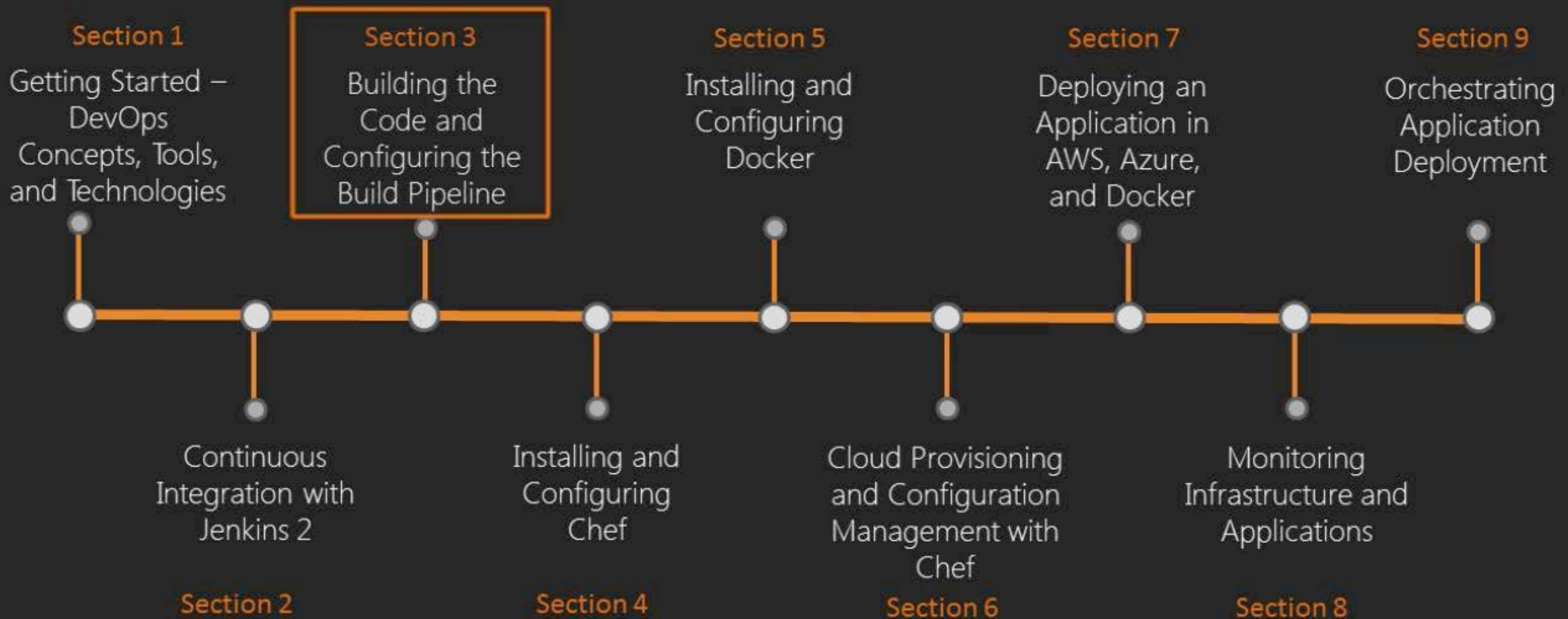Cloud Provisioning
and Configuration
Management with
Chef

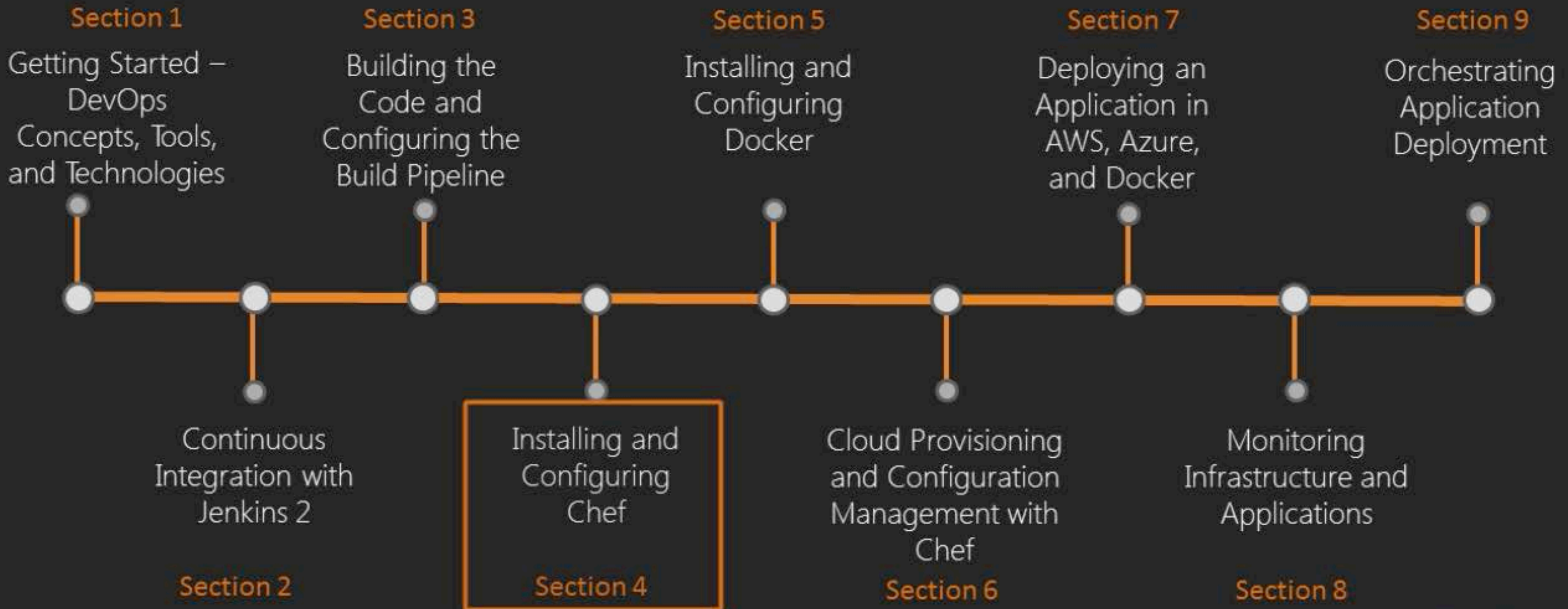**Section 6**

Monitoring
Infrastructure and
Applications

Section 8

The Road Map

Section 1
Getting Started – DevOps Concepts, Tools, and Technologies

Section 3
Building the Code and Configuring the Build Pipeline

Section 5
Installing and Configuring Docker

Section 7
Deploying an Application in AWS, Azure, and Docker

Section 9
Orchestrating Application Deployment

Continuous Integration with Jenkins 2

Installing and Configuring Chef

Cloud Provisioning and Configuration Management with Chef

Monitoring Infrastructure and Applications

Section 2

Section 4

Section 6

Section 8

The Road Map

Section 1

Getting Started –
DevOps
Concepts, Tools,
and Technologies

Section 3

Building the
Code and
Configuring the
Build Pipeline

Section 5

Installing and
Configuring
Docker

Section 7

Deploying an
Application in
AWS, Azure,
and Docker

Section 9

Orchestrating
Application
Deployment

Continuous
Integration with
Jenkins 2

Section 2

Installing and
Configuring
Chef

Section 4

Cloud Provisioning
and Configuration
Management with
Chef

Section 6

Monitoring
Infrastructure and
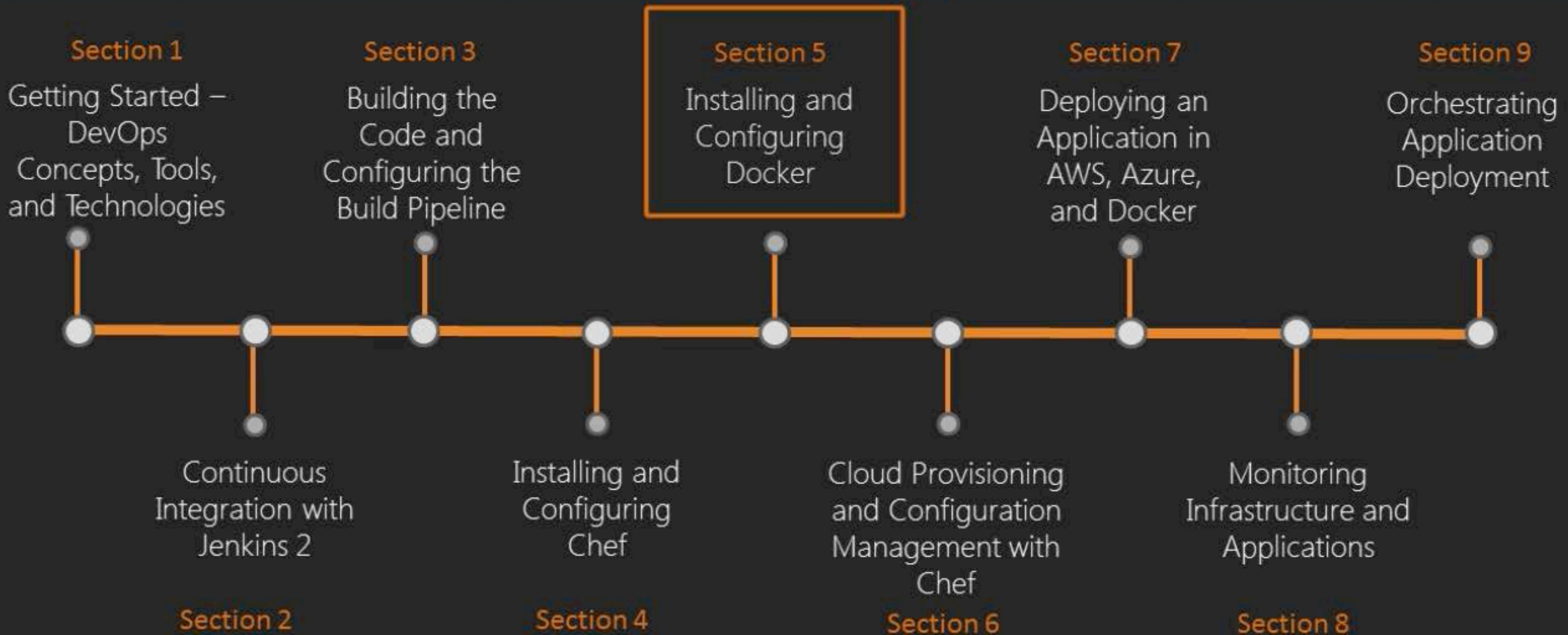Applications

Section 8

The Road Map

Section 1

Getting Started – DevOps Concepts, Tools, and Technologies

Section 3

Building the Code and Configuring the Build Pipeline

Section 5

Installing and Configuring Docker

Section 7

Deploying an Application in AWS, Azure, and Docker

Section 9

Orchestrating Application Deployment

Continuous Integration with Jenkins 2

Section 2

Installing and Configuring Chef

Section 4

Cloud Provisioning and Configuration Management with Chef

Section 6

Monitoring Infrastructure and Applications

Section 8

The Road Map

Section 1

Getting Started –
DevOps
Concepts, Tools,
and Technologies

Section 3

Building the
Code and
Configuring the
Build Pipeline

Section 5

Installing and
Configuring
Docker

Section 7

Deploying an
Application in
AWS, Azure,
and Docker

Section 9

Orchestrating
Application
Deployment

Continuous
Integration with
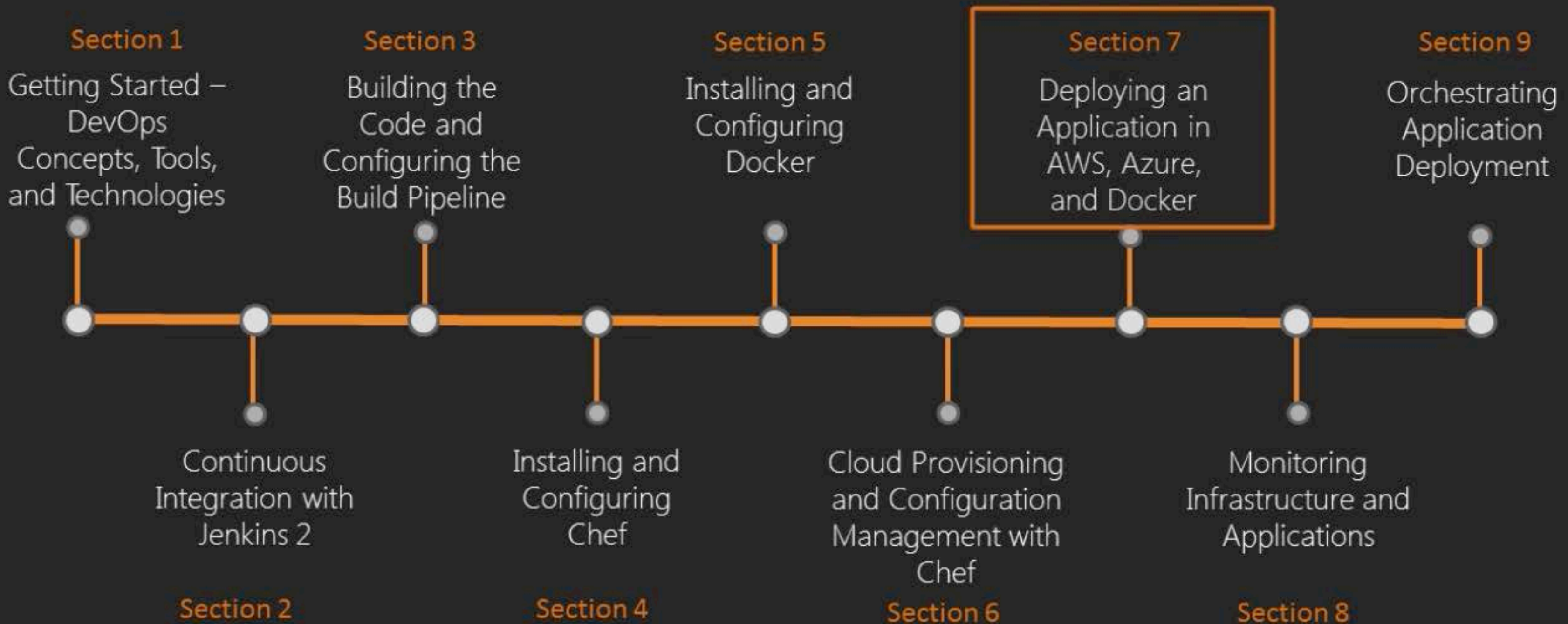Jenkins 2

Section 2

Installing and
Configuring
Chef

Section 4

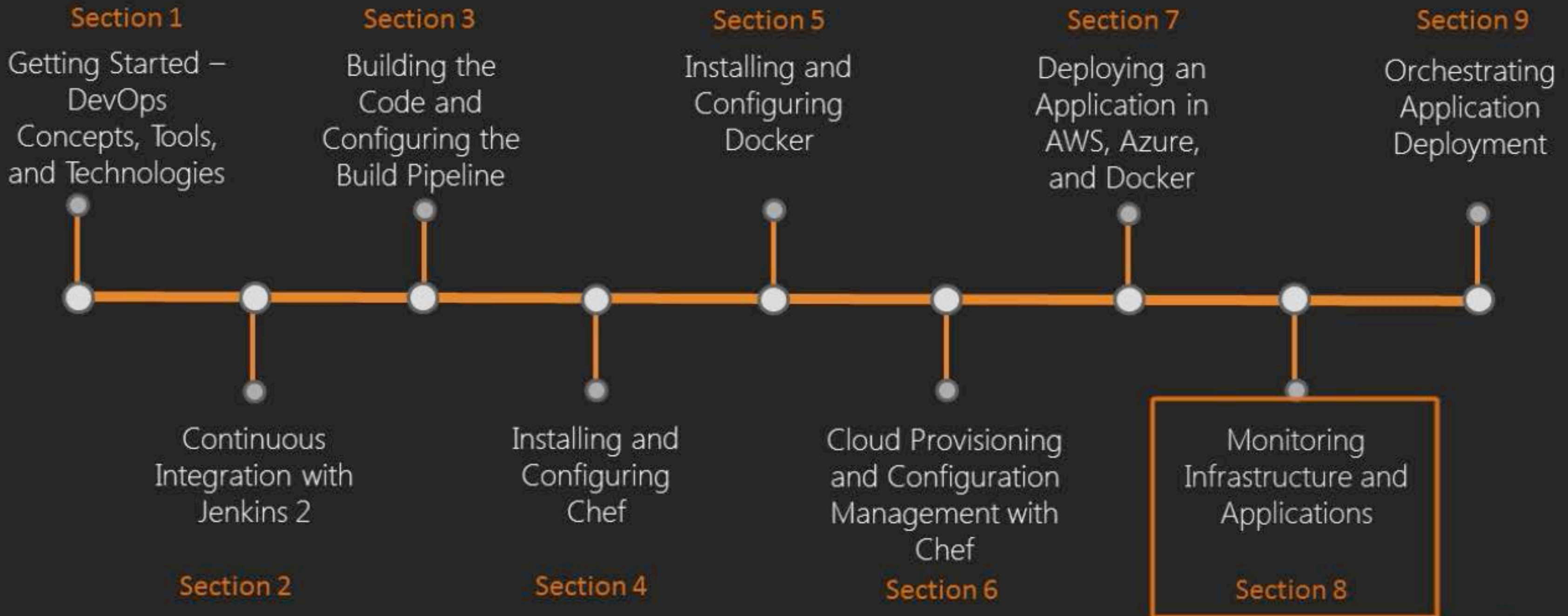Cloud Provisioning
and Configuration
Management with
Chef

Section 6

Monitoring
Infrastructure and
Applications

Section 8

The Road Map

Section 1
Getting Started –
DevOps
Concepts, Tools,
and Technologies

Section 3
Building the
Code and
Configuring the
Build Pipeline

Section 5
Installing and
Configuring
Docker

Section 7
Deploying an
Application in
AWS, Azure,
and Docker

Section 9
Orchestrating
Application
Deployment

Continuous
Integration with
Jenkins 2

Section 2

Installing and
Configuring
Chef

Section 4

Cloud Provisioning
and Configuration
Management with
Chef

Section 6

Monitoring
Infrastructure and
Applications

Section 8

Packt
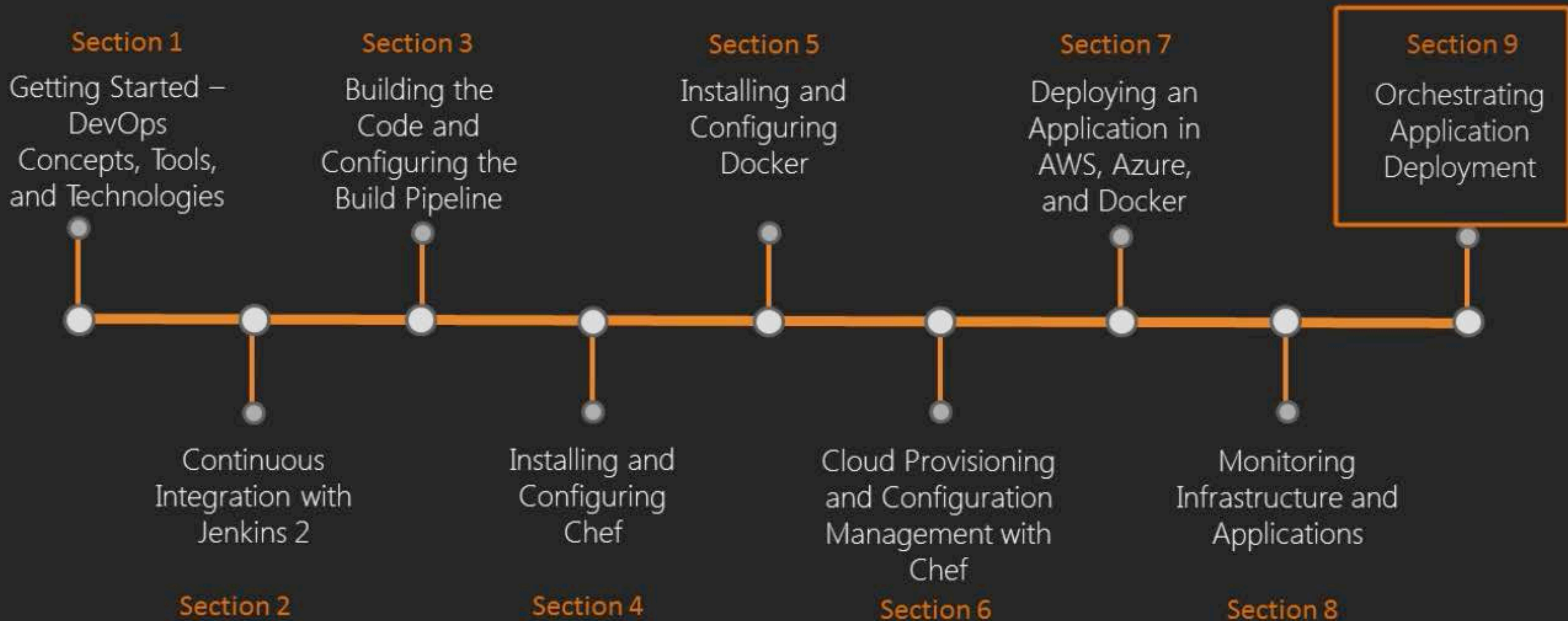
Approach

- DevOps tools in a practical way to efficiently manage and automate the development

- Also deployment of a web application on to a cloud service

Target Audience

- It is for web developers and IT teams who are new to the DevOps methodology

- It's also ideal for those who would like to learn about DevOps-oriented workflows