DevOps for Web Developers

Mitesh Soni

Video 1.5

An Overview of a Sample Java EE Application

0:02 / 2:51

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

- Creating and configure a deployment pipeline

- Installing and configure Docker

- Configuring infrastructure monitoring

⬅ ➡ ⓘ 🔒 GitHub, Inc. (US) | https://github.com/spring-projects/spring-petclinic   ↻ | 🔍 Search   ☆ 📋 ⬇ 🏠 ⬇ ≡

⬜ spring-projects / **spring-petclinic**   👁 Watch 220   ★ Star 1,104   ⑂ Fork 2,116

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A sample Spring-based application

ⓞ **545** commits	🏷 **2** branches	🏷 **0** releases	👥 **32** contributors

Branch: **master** ▾   New pull request   Find file   Clone or download ▾

🖼 **dsyer** Configure caching properly to avoid error in vets   Latest commit 8026953 9 days ago

📁 .mvn/wrapper	added missing .mvn folder needed for maven wrapper	11 months ago
📁 src	Configure caching properly to avoid error in vets	9 days ago
📄 .editorconfig	#96 change EditorConfig in order to impact other files than Java and ...	a year ago
📄 .gitignore	Add ignores	2 months ago
📄 .springBeans	using latest versions of hibernate, spring-data, joda...	3 years ago
📄 .travis.yml	Fix #78 Migrate to Bootstrap 3.x	10 months ago
📄 docker-compose.yml	Make mysql configuration more first class	a month ago
📄 mvnw	Add Maven Wrapper with mvn -N io.takari:maven:wrapper	a year ago

https://github.com/spring-projects/spring-petclinic/pulse

Spring PetClinic Sample Application `build passing`

Understanding the Spring Petclinic application with a few diagrams

See the presentation here

Running petclinic locally

```
git clone https://github.com/spring-projects/spring-petclinic.git
cd spring-petclinic
./mvnw spring-boot:run
```

You can then access petclinic here: http://localhost:8080/

spring

🏠 HOME   🔍 FIND OWNERS   ☰ VETERINARIANS   ⚠ ERROR

Owners

Name	Address	City	Telephone	Pets
Jeff Black	1450 Oak Blvd.	Monona	6085555387	Lucky
Jean Coleman	105 N. Lake St.	Monona	6085552654	Max Samantha

GitHub - spring-proj...   ×   +

① 🔒 GitHub, Inc. (US) | https://github.com/spring-projects/spring-petclinic

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Use Cases

- Add a new pet owner, a new pet, and information pertaining to a visit to the pet's visitation history to the system

- Update the information pertaining to a pet and pet owner

- View a list of veterinarians and their specialties, a pet owner, a pet, and pet's visitation history

Pet Clinic
A Spring Framework Demonstration

Spring

🏠 Home   🔍 Find owners   ☰ Veterinarians   ⚠ Error

Welcome

spring _by Pivotal._

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List of Task

- Jenkins installation, configuration, and UI personalization

- Java configuration (JAVA_HOME) in Jenkins

- Maven or Ant configuration in Jenkins

- Plugin installation and configuration in Jenkins

- Security (access control, authorization, and project-based security) in Jenkins

List of Task

- Jenkins build configuration and execution

- Email notification configuration

- Deploying a WAR file to a web application server

- Creating and configuring a build/deployment pipeline

- Installing and configuring Chef

List of Task

- Installing and configuring Docker

- Creating and configuring a virtual machine in AWS, Microsoft Azure, and containers

- Deploy a WAR file into a virtual machine and a container

Summary

- Understood about the DevOps movement

- Looked at the DevOps lifecycle

- Tools and Technologies

- An Overview of a Sample Java EE Application

Next Section

Continuous Integration with Jenkins 2