

Duration: 45 Hours

## DevOps COURSE CONTENT

Our Strength  
Shiva Sir  
0731-4069788

Perquisite :- C++

<b>DevOps Syllabus</b>	<ul style="list-style-type: none"><li>❖ What is DevOps ?</li><li>❖ History of DevOps</li><li>❖ Dev and Ops</li><li>❖ DevOps defination</li><li>❖ DevOps and Software Development Life Cycle</li><li>❖ DevOps main objectives</li><li>❖ Infrastructure As Code</li><li>❖ Prerequisites for DevOps</li><li>❖ Tools (Jenkins, Chef, Docker, Vagrant and so on.)</li><li>❖ Continuous Integration and Development Linux Installation</li><li>❖ User Management</li><li>❖ Package Management</li><li>❖ Networking</li><li>❖ OS Basics</li><li>❖ Scripting Introduction</li><li>❖ Learn Shell Scripting</li><li>❖ Database Concepts</li><li>❖ Database Concepts</li><li>❖ Shell Variable</li><li>❖ Shell Decision Making</li><li>❖ Shell Test Conditions</li><li>❖ Shell Loops</li><li>❖ Shell Redirectors</li><li>❖ Shell Exit status</li><li>❖ Subversion Controls/Git</li><li>❖ Working with local repositories</li><li>❖ Working with remote repositories<ul style="list-style-type: none"><li>• branching</li><li>• merging</li><li>• cloning</li><li>• fetch/pull</li></ul></li><li>❖ chef/Puppet/Ansible Introduction</li><li>❖ Chef server Hands-on</li><li>❖ Chef Distribution Kit</li></ul>
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- ❖ Chef Concepts Environments
- ❖ Attributes
- ❖ Resources
- ❖ Cookbook
- ❖ Run list
- ❖ Recipes
- ❖ Supermarket
- ❖ Introduction with Maven
- ❖ Maven structure
- ❖ Maven Phases
- ❖ Installation of Maven
- ❖ Configuration
- ❖ jar/war project structure
- ❖ Installation and Configuration
- ❖ Tomcat Manager
- ❖ Application Management
- ❖ App Deployment Methods
- ❖ Installation and Configuration
- ❖ Repository Management
- ❖ Proxy Management
- ❖ Integration with Maven

### **Introduction to Jenkins**

- ❖ Jenkins Installation
- ❖ User Profile
- ❖ User Management
- ❖ Security Management
- ❖ Plugins Management
- ❖ Builds Setup
- ❖ Integration with Git
- ❖ Integration with Maven
- ❖ Integration with Tomcat



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