



## Head Start on DevOps

*127 video tutorials, 18 simulated labs, 32 quizzes [31 short and 1 final], 30 cheat sheets and 32 fun doodles*

### **Syllabus / Worksheet**

#### **Head Start on Linux**

- Intro to OS and Linux
- Protocols
- Virtualization
- Files and Directories – Getting to know
- Help
- Bash
- Users and Groups
- Files and Directories - Operations
- Packages
- Services
- Data
- LVM
- Networking
- Shortcuts
- Bash Script

## **Head Start on CI CD** [Continuous Integration, Delivery and Deployment]

- Intro to Version Control
- Configure Git
- Executables: Artifactory, Nexus
- Configure Maven
- Jenkins Pipeline

## **Head Start on CMT** [Configuration Management Tool]

- Intro to Configuration Management Tool
- Install and Configure Ansible to install Jenkins (playbook)
- Install and Configure Puppet to install Jenkins (module)
- Install and Configure Chef to install Jenkins (cookbook)

## **Head Start on Monitoring/Logging**

- Intro to Monitoring and Logging
- Configure Nagios
- Configure ELK with FileBeat

## **Head Start on Cloud**

- Intro to Cloud
- Signup to AWS
- VM and Storage on AWS
- Configure aws CLI to create VM and create storage
- Signup to Azure
- VM and Storage on Azure
- Configure az CLI to create VM and create storage
- Signup to Google Cloud
- VM and Storage on Google Cloud
- Configure gcloud CLI to create VM and create storage
- Configure Terraform

## **Head Start on Containers**

- Intro to Containers
- Configure Docker to deploy Jenkins
- Configure Kubernetes Cluster to deploy Jenkins to Google Cloud
- Configure Rancher Server to deploy containers in AWS
- Configure Jenkins in Rancher