



# Digital Lync

EDUCATION - INNOVATION - INCUBATION



# DEVOPS

[www.digital-lync.com](http://www.digital-lync.com)

# COURSE CURRICULUM

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## ✔ Module 1 : LINUX [ 6 Days ]

Introduction to Linux OS

CentOS Installation

File and Directory Management

Text Editor

Links

Utility Commands

Archives & Backups

User & Group Management

## ✔ Module 2 : File Security & Permissions

Package & Service Management

LAMP [ 3 Days ]

Introduction & Installation Apache

Working with Apache

MySQL DB Installation

Working with MySQL

Setting up CMS - Wordpres



## ✔ Module 3 : GIT [ 4 Days ]

What is Git

Installing Git

Getting started

Git Architecture

Making changes to file

Using git with real project

Undoing changes

Ignoring files

Navigating tree commit

Branching

Merging Branches

Stashing Changes

Remotes

## ✔ Module 4 : MAVEN [ 3 Days ]

Introduction to Maven

Maven Structure

Maven Installation

Maven Hands-on

## ✔ **Module 5 : NEXUS [ 2 Days ]**

Introduction to Nexus

Nexus Installation

Creating Repos

Pushing the generated war to Nexus

## ✔ **Module 6 : JENKINS [ 5 Days ]**

Overview of Jenkins

Getting Started with Jenkins

Plugins and its uses

Setting Up Your Build Jobs

Setting up Build Jobs and Security

Implementing Automated Testing

Using Metrics to Improve Quality

Nodes and Master-Slave Configuration

Plugins and its uses

Performing Automated Deployment and Continuous Delivery

## ✔ **Module 7 : CHEF [ 6 Days ]**

Introduction to Configuration Management

Chef User management

Chef Organization management

Chef Distribution Kit  
Chef Workstation setup  
Chef Resources  
Chef Recipes  
Chef Cookbooks  
Chef Attributes  
Chef Supermarket  
Chef Databags

## ✓ **NAGIOS [ 2 Days ]**

Introduction to Nagios  
Concepts behind Nagios  
Nagios Installation  
Hands-on

## ✓ **Vagrant [ 2 Days ]**

Introduction to vagrant  
Vagrant Terminologies  
Vagrant System & Commands  
Vagrant Plugins & Provisions

## ✓ DOCKER [ 3 Days ]

Introduction to Docker

Installation of Docker

Data and Docker Volumes

Docker Architecture

Container life cycle

Networking with docker

Working with docker images

Building images with docker files

## ✓ Project [ 5 Days ]

**Implementing Continuous Integration with JAVA based web application.**

Git Integration

Maven Integration

Junit Integration

Test Cases Report Generation

Cobertura Code Coverage & Report Generation

Sonarqube Static Analysis

Nexus Artifact Upload

Auto Deployment [Tomcat]

Performance Testing [Jmeter]

Continuous Feedback [Notifications]



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## **HEADQUARTERS**

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