DevOps Certification Training

About Intellipaat

Intellipaat is a fast growing professional training provider that is offering training in over 150 most sought-after tools and technologies. We have a learner base of 700,000 in over 32 countries and growing. For job assistance and placement we have direct tie-ups with 80+ MNCs.

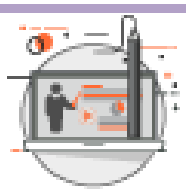
Key Features of IntellipaatTraining :

Life Time Support and Assistance	Real Time Projects	Life Time Access and Free Upgrade	Job Assistance	Industry Recognised Certification

About the Course

This Intellipaat DevOps popular training course will help you become fully proficient and deploy the DevOps principles and tools in a software enterprise. You will be learning the techniques of successfully integrating the IT development and IT operation departments. This DevOps instructor-led training will help you understand how to communicate, collaborate and automate key processes and systems in order to create synergies for creating faster and better software solutions.

Instructor Led
Duration – 33Hrs
Weekend Batch – 3 Hrs/Session



Self paced
Duration – 16Hrs

Why Take This Course ?

Learning DevOps will help you master all skills needed in order to successfully build, operate, monitor, measure and improve the various processes in IT enterprises by integrating development and operations for a top DevOps career.High Performing Organizations are implementing DevOps for:

- 46X more frequent software deployments
- 96X faster recovery from failures
- 440X faster lead time for changes

Course Contents

DevOps Foundation ❖ What is Devops ? ❖ Why DevOps ? ❖ DevopsLifecyle ❖ Devops Tools ❖ Market Trend and Career Scope for DevOps professionals ❖ Desired Skillset of a DevOps Engineer ❖ Cultural practices	**Hands on Exercises** ❖ NA
Software Version Control (aka Source Code Management) System ❖ Concepts of different types of Version Control Systems ❖ What is Git ❖ Installing and Configuring Git ❖ Git and GitHub Integration	**Hands on Exercises** ❖ Install and configure Git locally ❖ Create your own local clone of a repository ❖ Create a new Git branch ❖ Edit a file and stage your changes ❖ Commit your changes ❖ Push your changes to GitHub ❖ Make a pull request ❖ Merge upstream changes into your fork ❖ Merge changes on GitHub into your local clone
Automating Build and Test ❖ Overview and comparison of various Java Build Tools ❖ Overview of Maven ❖ Features & Benefits of Maven ❖ Maven Environment Setup ❖ POM,Maven Build Lifecycle ❖ Maven Build Profile ❖ Maven Repositories and Plugins ❖ Overview of Ant ❖ Features of Ant ❖ Differences between Ant and Maven	**Hands on Exercises** ❖ Installing and Configuring Maven on Windows and Centos ❖ Creating Maven Project using archetype ❖ Accessing POM and making requriedconfiuguration changes ❖ Executing commands required for automating the the application build
Docker Container Management ❖ Overview andFundamentals of Virtualization ❖ Virtual Machines Containers and Dockers . ❖ Difference between VM and Container ❖ Docker's Underlying technology ❖ Docker's Architecture and its components and objects ❖ Creating & Running Docker Images ❖ Image Distribution ❖ Creating Docker Registry ❖ Compose Scripts ❖ Remote Docker Image	**Hands on Exercises** ❖ Installing and Configuring Maven on Windows and Centos ❖ Creating Maven Project using archetype ❖ Accessing POM and making requriedconfiuguration changes ❖ Executing commands required for automating the the application build

Docker Commands and Best Practices ❖ Networking concepts in Docker ❖ Using Docker Volume and Creation of a Docker file ❖ A text file to contain the commands to create an image	**Hands on Exercises** ❖ Create a dockerfile with the commands to create an image ❖ Creating networks between containers ❖ Persist and share data between containers using Volumes
Puppet - Part 1 ❖ Overview of Configuration Management ❖ Puppet Architecture ❖ Puppet Master and Slave Communication ❖ Components of Puppret	**Hands on Exercises** ❖ Install Puppet ❖ Configure puppet
Puppet - Part 2 ❖ Puppet Modules ❖ Node Classification ❖ Puppet Classes ❖ Puppet Template.	**Hands on Exercises** ❖ Installation of Puppet Modules ❖ Puppet Classes Puppet Template.
Chef ❖ Chef Fundamentals ❖ Chef Architecture ❖ Chef ecosystem and components ❖ Chef server ❖ Chef Workstation ❖ Nodes ❖ Recipes and Cookbooks ❖ Chef resources ❖ Organization and roles ❖ Chef Security ❖ Chef tools	**Hands on Exercises** ❖ Install a chef server ❖ Configure a Vagrant file and setup directory structure to create and run a Chef server ❖ Install a chef-workstation ❖ Create a user account in manage.chef.io website ❖ Generate a knife.rb file from the website to create a chef server
Ansible ❖ Introduction to Ansible ❖ Installation & Configuration ❖ Writing Ansible Playbooks ❖ Using Ansible for Configuration Management tasks.	**Hands on Exercises** ❖ Write Ansible playbook ❖ Assign different roles in configuration tool
Performance and Automated Monitoring ❖ Introduction of Nagios ❖ Nagios Setup, Commands ❖ Objects, notifications ❖ Configure Nagios to monitor webserver ❖ Load Balancer (HAProxy, NginX)	**Hands on Exercises** ❖ Installing and ConfigurigNagios ❖ Monitor the performance with Nagios ❖ Setup Syslog and verify the logs are getting generated ❖ Configure HAProxy server

Working with Mapping ❖ Coordinate points, Plotting Longitude and Latitude ❖ Editing Unrecognized Locations ❖ Custom Geocoding ❖ Polygon Maps ❖ WMS: Web Mapping Services ❖ Background Image (Add Image, Plot Points on Image, Generate coordinates from Image)	**Hands on Exercises** ❖ Create a Symbol map and filled map ❖ Create Custom territories ❖ Create mapbox maps and WMS Maps ❖ Create Polygan Maps ❖ Create a Twbx file using background images
Data Blending & Data Extraction ❖ Cross Database joining ❖ Data Blending	**Hands on Exercises** ❖ Create Data Blending using multiple data Sources ❖ Create a Cross Database join between sales and Product 2016 Data sources
Visual Analytics ❖ Formatting Data (Labels, Annotations, Tooltips, Edit axes) ❖ Formatting Pane (Menu, Settings, Font, Alignment, Copy-Paste) ❖ Trend and Reference Lines ❖ Forecasting ❖ k-means Cluster ❖ Analysis in Tableau	**Hands on Exercises** ❖ Create a Reference line to show Custom and Average of Sales ❖ Create a Forecasting using time series data ❖ Create Trend analyis over sales and profit measure
Integration of Tableau with R and Python ❖ Introduction to R Language ❖ Applications and Use Cases of R ❖ Deploying R on Tableau Platform ❖ Learning R functions in Tableau; Integration with Python	**Hands on Exercises** ❖ Create R connection ❖ Create a calculated feild using R ❖ Create Python connection ❖ Create a calculated feild using python

DevOps Project

Project 1

Domain – Finance

Objective –A global bank recruits 500 graduate software developers each year. The developers are employed at sites in 4 different countries. The bank requires a web-based questionnaire system to assess graduates' programming skills so that they can provide appropriate training. You will need to design, implement and deploy part of the system

Project 2

Domain – Media

Objective –A media company wishes to offer a website where users can upload photographs. Captions and titles can be added to the photographs. Customers can order prints of photos on T-shirts, mugs, and other items. You will need to design, implement and deploy part of the system

Project 3

Domain – Medical

Objective –A hospital wishes to implement a system which can detect harmful drug interactions. They want a mobile phone application which allows doctors to enter or scan prescriptions. The system will then check for drug interactions. Any conflicting drugs will be highlighted so that the prescription can be changed. You will need to design, implement and deploy part of the application

What makes us who we are

Dinesh K B

"Coming from a background in automation development working with tools like Python and Perl, DevOps helped me to make a successful transition and excel at my professional career"....*Read More!*

VIEW ALL SUCCESS STORIES READ ALL REVIEWS

"I had extensive experience in Linux system administration and my love for automation took me towards learning DevOps and now I am very well-placed in my career."....*Read More!*

READ ALL REVIEWS VIEW ALL SUCCESS STORIES

Suvankar Das