









DevOps Certification Training Course



About IntelliPaat


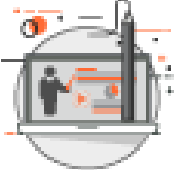
IntelliPaat is a fast-growing professional training provider that is offering training in over 150 most sought-after tools and technologies. We have a learner base of 600,000 in over 32 countries and growing. For job assistance and placement we have direct tie-ups with 80+ MNCs.

Key Features of IntelliPaat Training:

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|  Instructor Led Training 32 Hrs of highly interactive instructor led training |  Self-Paced Training 16 Hrs of Self-Paced session with Lifetime access |  Exercise and project work 60 Hrs of real-time projects after every module |  Lifetime Access Lifetime access and free upgrade to latest version |
|  Support Lifetime 24*7 technical support and query resolution |  Get Certified Get global industry recognized certifications |  Job Assistance Job assistance through 80+ corporate tie-ups |  Flexi Scheduling Attend multiple batches for lifetime & stay updated. |

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.

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|  Instructor Led Duration – 32 Hrs |  Self Paced Duration – 16 Hrs |
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Why take this Course?

For very long times the development and the operations teams of any software enterprise have stayed at arm's length. But this organizational cultural shift thanks to DevOps a lot of changes are happening in forward-thinking enterprises. Learning DevOps will help you master all the skills needed in order to successfully build, operate, monitor, measure and improve the various processes in IT enterprises by better integrating development and operations. You will grab the best jobs in top MNCs after finishing this IntelliPaat DevOps online training. The entire IntelliPaat DevOps course is in Line with the industry needs.

Course Content

| Module /Topic | Hands on exercises |
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| Infrastructure Setup & DevOps Foundation <ul style="list-style-type: none"> ❖ Installation of – Git, Jenkins, Ansible, Puppet, Docker, Chef, CVS, ClearCase, Nagios, Maven, Database ❖ Market Trend and Career Scope for DevOps professionals ❖ The desired Skillset of a DevOps Engineer ❖ Cultural practices and Supporting Tools for smooth and continuous collaboration among Operations ❖ Product Development, Testing, Build N Release, Deployment | <ul style="list-style-type: none"> ❖ AI Infra Setup |
| Software Version Control (aka Source Code Management) System <ul style="list-style-type: none"> ❖ Concepts of different types of Version Control Systems ❖ Git as SCM ❖ Git Command Line ❖ Git setup with CI tool Jenkins ❖ SVN, CVS, ClearCase | <ul style="list-style-type: none"> ❖ Create a git project ❖ Check out a branch ❖ Create a file and add to Git, Edit file, Commit the code ❖ Set up Jenkins and integrate with Git |
| Automating Build and Test <ul style="list-style-type: none"> ❖ Automating Builds with Maven and Ant ❖ Building Delivery Pipeline in Jenkins (CI/CD) ❖ Test Automation, Security, Notification System in | <ul style="list-style-type: none"> ❖ Create a Maven Project ❖ Edit pom.xml file to install a version of JUnit ❖ Set up build delivery pipeline |

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| Jenkins | <ul style="list-style-type: none"> ❖ Set up notification alerts in Jenkins ❖ Configure test plan in Jenkins |
| <p>Continuous Integration (CI)</p> <ul style="list-style-type: none"> ❖ Frequent merge of code to a shared repository after which automated builds and tests are run using Jenkins | <ul style="list-style-type: none"> ❖ Commit code and check if Jenkins runs the build scripts and tests the code using automation script |
| <p>Continuous Delivery (CD)</p> <ul style="list-style-type: none"> ❖ Core principles of Continuous Delivery ❖ Collaboration between development and software release ❖ The building, testing, and releasing software in shorter more frequent cycles | <ul style="list-style-type: none"> ❖ Deploying various tools like Puppet ❖ Chef ❖ Nagios for the reliable delivery of software on time. |
| <p>Docker Container Management</p> <ul style="list-style-type: none"> ❖ What are Containers? ❖ Difference between VM and Container ❖ Docker Fundamentals ❖ Creating & Running Docker Images, Image Distribution ❖ Creating Docker Registry, Compose Scripts, Remote Docker Image | <ul style="list-style-type: none"> ❖ Configure a Docker ❖ Create an image in Docker and run it |
| <p>Docker Commands and Best Practices</p> <ul style="list-style-type: none"> ❖ Networking concepts in Docker ❖ Using Docker Volume and Creation of a Docker file ❖ A text file to contain the commands to create an image | <ul style="list-style-type: none"> ❖ Create a docker file with the commands to create an image |
| <p>Puppet – Configuration Management Tool (Infra As Code)</p> <ul style="list-style-type: none"> ❖ Introduction to Puppet ❖ Architecture of Puppet ❖ Constructs of Puppet and the various terminologies in Puppet | <ul style="list-style-type: none"> ❖ Install Puppet ❖ Configure puppet ❖ Use Knife commands for various operations |

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| <ul style="list-style-type: none"> ❖ Configuring Puppet ❖ Using Puppet Manifests ❖ Puppet commands | |
| <p>Advanced Puppet</p> <ul style="list-style-type: none"> ❖ Puppet Modules ❖ Node Classification ❖ Puppet Classes ❖ Puppet Template ❖ Puppet Manifests ❖ Puppet master and client folder structure | <ul style="list-style-type: none"> ❖ Puppet Modules ❖ Classes ❖ Template creation |
| <p>Chef</p> <ul style="list-style-type: none"> ❖ Chef Fundamentals ❖ Chef environment ❖ Chef Cookbooks & Knife Commands ❖ Node Object & Search, Data-bags, Roles ❖ Deploying Nodes in Production and using the Open Source Chef Server ❖ Vagrant file | <ul style="list-style-type: none"> ❖ 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 the manage.chef.io website ❖ Generate a knife.rb file from the website to create a chef server |
| <p>Ansible</p> <ul style="list-style-type: none"> ❖ Introduction to Ansible ❖ Configuration, Writing Ansible Playbooks ❖ Ansible based Configuration Management ❖ Different Roles and Command Line usage | <ul style="list-style-type: none"> ❖ Write Ansible playbook ❖ Assign different roles in the configuration tool |
| <p>Nagios – Performance and Automated Monitoring</p> <ul style="list-style-type: none"> ❖ Introduction of Nagios ❖ Nagios Setup, Commands ❖ Objects, notifications ❖ Configure Nagios to monitor web server ❖ Load Balancer (HAProxy, Nginx), + Project 1 & project 2 | <ul style="list-style-type: none"> ❖ Perform Nagios and Netdata monitoring ❖ Monitor the performance with Grafana ❖ Setup Syslog and verify the logs are getting generated ❖ Configure HAProxy server |

Project Work

In this DevOps project, you will be introduced to the DevOps pipeline demo in various industry domains like media, finance, medical projects and more. You will get hands-on experience in a Docker containerization by deploying Jenkins, working with integration tests in DevOps, Project Reports, and finance app configuration.

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

Intellipaate Job Assistance Program

Intellipaate is offering comprehensive job assistance to all the learners who have successfully completed the training. A learner will be considered to have successfully completed the training if he/she finishes all the exercises, case studies, projects and gets a minimum of 60% marks in the Intellipaate qualifying exam.

DevOps Certification Training Course



Intellipaate has exclusive tie-ups with over 80 MNCs for placement. All the resumes of eligible candidates will be forwarded to the Intellipaate job assistance partners. Once there is a relevant opening in any of the companies, you will get a call directly for the job interview from that particular company.

Frequently Asked Questions:

Q 1. What is the criterion for availing the Intellipaate job assistance program?

Ans. All Intellipaate learners who have successfully completed the training post-April 2017 are directly eligible for the Intellipaate job assistance program.

Q 2. Which are the companies that I can get placed in?

Ans. We have exclusive tie-ups with MNCs like **Ericsson, Cisco, Cognizant, Sony, Mu Sigma, Saint-Gobain, Standard Chartered, TCS, Genpact, Hexaware**, and more. So you have the opportunity to get placed in these top global companies.

Q 3. Does Intellipaate help learners to crack the job interviews?

Ans. Intellipaate has an exclusive section which includes the top interview questions asked in top MNCs for most of the technologies and tools for which we provide training. Other than that our support and technical team can also help you in this regard.

Q 4. Do I need to have prior industry experience for getting an interview call?

Ans. There is no need to have any prior industry experience for getting an interview call. In fact, the successful completion of the Intellipaate certification training is equivalent to six months of industry experience. This is definitely an added advantage when you are attending an interview.

Q 5. What is the job location that I will get?

Ans. Intellipaate will try to get you a job in your same location provided such a vacancy exists in that location.

Q 6. Which is the domain that I will get placed in?

Ans. Depending on the Intellipaate certification training you have successfully completed, you will be placed in the same domain.

Q 7. Is there any fee for the IntelliPaat placement assistance?

Ans. IntelliPaat does not charge any fees as part of the placement assistance program.

Q 8. If I don't get a job in the first attempt, can I get another chance?

Ans. Definitely, yes. Your resume will be in our database and we will circulate it to our MNC partners until you get a job. So there is no upper limit to the number of job interviews you can attend.

Q 9. Does IntelliPaat guarantee a job through its job assistance program?

Ans. IntelliPaat does not guarantee any job through the job assistance program. However, we will definitely offer you full assistance by circulating your resume among our affiliate partners.

Q 10. What is the salary that I will be getting once I get the job?

Ans. Your salary will be directly commensurate with your abilities and the prevailing industry standards.

What makes us who we are?



"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"

-Dinesh K B



"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."

-Suvankar Das