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IBM Bluemix Certification Training is designed to provide knowledge and skills essential for becoming successful Bluemix expert. The course includes fundamental concepts of cloud computing, BluemixUI, IDE, building services using CLI and much more.

The IBM Bluemix Certification Training certifies the delegates in trendy new cloud technologies for helping them in grabing high paying job titles with cloud PaaS skilla and expertise in Bluemix. During the training program, our instructor will guide the delegates how to use cloud environment in devoloping and deploying applications quickly. Multiple programming languages are supported by Bluemix. Moreover, it offers various services that can be consumed easily. This features of Bluemix makes it the foremost choice of companies who are looking for faster application development and better management for enhanced outputs.

Prerequisites

These are no prerequisites for this course. Anyone having understanding of any high-level programming language can be beneficial.

Course Objectives

During the training program, the delegates will learn the following:

- Gain knowledge about cloud computing
- Learn how to apply various techniques of cloud computing in cloud development such as CLI, IDE, Bluemix and more
- Learn how to manage Devops with the help of Bluemix Paas
- Understand the implementation of Bluemix concepts and learn how to use its services in monitoring, scaling and many more
- Learn how to implement features of Bluemix in on real life projects for driving business insights

Basics of Cloud Computing

In this module, the delegates will learn what the cloud computing is and what is its carious models along with key differentiators of various models. The delegates will also be introduced to the virtual world of Bluemix, Bluwmix key vocabulary and much more.

- Introduction to Cloud Computing
- Why Cloud computing?

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- Benefits of Cloud, about Bluemix and Bluemix keywords

Overview of Bluemix

In this section, the delegates wil learn about IBM containers, open source PAAS and Openstack VMs.

- Introduction to Bluemix
- Cloud foundry architecture
- Bluemix Login
- Creating Bluemix account
- Login Bluemix through CLI
- Login Bluemix through app manager
- Key elements of IBM Bluemix environment
- Elements of organisation managemnt in IBM Bluemix environment
- Various languages and frameworks supported by Bluemix

Java Based Application on Bluemix

In this section, the delegates will learn how to develop, deploy and scale java web applications easily. IBM WebSphere is light, fast and compossable profiel of IBM WebSphere Application Server.

- Introduction to buildpack
- Liberty Profile
- Create sample application using boilerplate
- Access sample application
- Essentail commands for managing applications through CLI
- Pushing applications to Bluemix
- Application scaling
- Scaling applications with ease

Improving application through Managed Services

In this module, the delegates will get famliar with services. They will get to know about managed and other important services in Bluemix.

- Define Service
- Managed Services
- Avaliable services in Bluemix
- Binding service to an application
- Monitoring applications using service
- Binding database to an application
- Auto Scaling of applications

Devops on Bluemix

In this section, the delegates will achieve knowledge about DevOps on Bluemix from development to deployment. Also, get introduced to concepts such as delivery pipeline, monitoring and analytics and more.

- Capabilities of IBM Bluemix DevOps services
- Agile Track and Plan
- Delivery pipeline

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IDE with Bluemix

In this section, the delegates will learn how to work with IDEs such as Eclipse, Netbeans on Bluemix.

- Introduction to Eclipse with Bluemix
- Setting up the Bluemix server in Eclipse
- GITHUB integration in eclipse
- Deploying application in eclipse
- Bringing source code to eclipse
- Pusing and testing applications from eclipse

Other framworks on Bluemix

In this section, the delegates will learn how to deploy, develop, and scale server-side javascript with ease. The IBM SDK offers improved performance, security and much more. They will also learn about other frameworks supported in Bluemix.

- Twelve factor design principles
- IBM SDK for Node.js
- Enabling live sync feature of Node.js apps
- Other available frameworks in Bluemix
- Define Docker Container
- Bluemix containers and virtual servers

Load Testing using Load Impact and SSO Service

In this section, the delegates will learn how to use load impact, create user scenario, analyse results and much more.

- Using Load Impact for load testing cloud applications
- Analusing Results
- SSO
- Integration

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