Besant Technologies

Advance Developing on AWS

Description

This course covers advanced development topics such as architecting for a cloud-native environment and deconstructing on-premises legacy applications and repackaging them into cloud-based, cloud-native architectures. It also covers how to apply the tenets of the Twelve-Factor Application methodology.

Course Objectives

- ❖ Analyze a monolithic application architecture to determine logical or programmatic break points where the application can be broken up across different AWS services
- ❖ Apply Twelve-Factor Application manifesto concepts and steps while migrating from a monolithic architecture
- ❖ Recommend the appropriate AWS services to develop a microservices based cloud-native application
- ❖ Use the AWS API, CLI, and SDKs to monitor and manage AWS services
- ❖ Migrate a monolithic application to a microservices application using the six Rs of migration
- ❖ Explain the SysOps and DevOps interdependencies necessary to deploy a microservices application in AWS

Pre-Requisite

- ❖ *In depth knowledge of lest one high-level language
- ❖ *working knowledge of core Aws services and public cloud implementation
- ❖ *Developing on Aws

Course Content

- ❖ Interfacing with AWS Services
- ❖ Deconstructing a monolithic architecture
- ❖ Migrating to the cloud
- ❖ Creating an infrastructure
- ❖ Declare and isolate dependencies
- ❖ Storing configuration in the cloud
- ❖ Establish a build, release, run model
- ❖ Creating the codebase
- ❖ Deploying an application
- ❖ Evolution of architecture
- ❖ Design patterns
- ❖ I/O explosion and preventing it
- ❖ Microservices

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