DevOps Aware

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Program Overview

What is **DevOps**?

DevOps is a management culture that improves the IT service delivery agility on the basis of:

- Communication
- Collaboration
- Integration

It is the platform that identifies the relationship between various tools, ideas, and themes of software development and IT operations, using rapid iterations and continuous improvement.

DevOps is a cultural change which in turn will help in applying agile principles to IT operations and giving solutions for continuous development cycles, keeping in mind the cross-functions, responsibilities, and goals shared with IT operations.

Why do we need this program?

DevOps Aware are collection of DevOps Literacy programs. They are short duration program intended towards providing broad level knowledge. In turn it gives some foundational knowledge on DevOps from all engineering aspects

Program Objectives:

After completing the program associates will be able to

- Define 'what is DevOps' and 'what is NOT DevOps', its stakeholders, business values and how it is measured.
- Explain the relationship between Agile and Devops
- Explain the impact of DevOps in application development
- Explain the impact of DevOps in application maintenance and support
- Identify the different building blocks of DevOps
- Describe the Continuous Integration process and its benefits
- Describe the concept of Release and Deployment and its best practices
- Describe Infrastructure Automation and its significance
- Explain the Release Automation and Orchestration process
- Explain the IT Infrastructure Monitoring and Log Management
- Explain few real time case studies

COURSE AT A GLANCE

Program Duration: **4 Weeks**

Commitment: **1.5 hours/week**

Recommended Program Sequence

Week 1: Introduction to DevOps & Agile

Week 2: DevOps Landscape in Application Development, Application Maintenance and Support

Week 3: Deep Dive into DevOps Process

Week 4: DevOps in Operation

Program Completion Criteria:

- Completion of 'DevOps Aware - Knowledge Assessment' of the program

FAQs

1. Who can participate in this program?

It is an open course for all associates working in Cognizant cutting grade/designation.

2. Will I get a statement of accomplishment after completing the course?

There is no course level certification. You will be certified on 'Digital Aware'.

3. Is there any pre-learning that I should do?

It does not require any pre learning.

4. What is the effort that I should be spending?

1.5 hours per week for FOUR weeks is the effort that you will be spending on this program. Although this can be learnt at the individual's pace as well. So you could complete it in less than a week's time too.

5. What are the resources I would need for attending this training?

Access to internet and internal social networking sites within Cognizant (Yammer) is all that would be needed.

6. Whom do I reach out in case of any queries?

In case of any queries, please send a mail to DevOpsAcademy