DASA DevOps Fondamentals + The Phoenix Project

Combination of the two training : DASA DevOps Fondamentals + The Phoenix Project

The 4-day training which combines the following two courses :

DevOps Fundamentals (DASA) +
« The Phoenix Project »

Détails

- Code : IJ-DVOC4
- Durée : 4 jours (28 heures)

Public
- Administrateurs
- Administrators
- Architectes
- Chefs de projets
- Consultants
- Developers
- Développeurs
- Engineers
- Ingénieurs
- Professionnels de l'informatique
- Professionnels de l'IT
- Project managers

Pré-requis
- Basic familiarity with agile, scrum, lean and ITSM principles is beneficial

Objectifs
- Understand why organizations are adopting "Need to adopt" DevOps practices from both the business and IT perspective
- How to answer the question 'What is DevOps?'
- Understand DevOps values and principles
- Understand how DevOps interfaces with other frameworks such as agile, lean and ITSM service Management
- Understand DevOps organizational considerations including DevOps roles, teams and organizational structures & Key DevOps practices

Programme

DASA DevOps Fondamentals

- Introduction
  - Let's Get to Know Each Other Overview
  - Course Learning Objectives
  - Course Agenda
  - Type of Activities Exam
  - Course Book Technical Glossary Group Activity
  - Module Summary
- DEVOPS Introduction
  - Module Objectives
  - Module Topics
  - Emergence of DevOps
  - Core Concepts of DevOps
  - DevOps Agile Skills Association (DASA)
  - Module Summary
  - Module End Questions
- Culture
  - Module Objectives
  - Module Topics
    - Introduction to a DevOps Culture
    - Key Elements of DevOps
    - Implementation of a DevOps Culture
    - Module Summary
    - Module End Questions
- Organization
  - Module Objectives
  - Module Topics
  - Organizational Model Autonomous Teams
  - Architecting for DevOps Governance
  - Module Summary
  - Module End Questions
- Processes
  - Module Objectives
  - Module Topics
  - Defining Agile, Scrum, and Kanban
  - DevOps in Relation to ITSM
  - The Scrum Approach in more Detail
  - Optimizing Processes Using Lean

- - Business Value Optimization and Business Analysis Using Story Mapping
    - Software Delivery Lifecycle in a DevOps Organization
    - Module Summary
    - Module End Questions
  - Automation
    - Module Objectives
    - 6A Automation Concepts
    - Automation for Delivery of Software
    - Continuous Delivery Core Concepts
    - Continuous Delivery Automation Concepts
    - Continuous Delivery Automation Focus Topics
    - 6B Data Center Automation
    - Emergence of Cloud Technology and Principles
    - Cloud Services Concepts in a DevOps Organization
    - Automated Provisioning Concepts
    - Platform Product Characteristics and Application Maturity
    - Module Summary
    - Module End Questions
  - Measure and Improvement
    - Module Objectives
    - Module Topics
    - Importance of Measurement
    - Choosing the Right Metrics
    - Monitoring and Logging
    - Module Summary
    - Module End Questions
  - Exam Preparation Guide
    - Topics Covered in This Module
    - Qualification Learning Objectives
    - Learning Level of the Syllabus
    - Certification
    - Exam Instructions
    - Tips for Taking Exam

« The Phoenix Project »

- - About the simulation
    - Parts Unlimited are in trouble
    - Newspaper reports reveal the poor financial performance of the organization
    - The only way to save the company and to make it competitive and profitable is "The Phoenix Project"

which is an IT enabled business transformation, with Retail Operations as the business owner of this project
  - The VP of IT Operations is asked to lead the IT Department and make sure "The Phoenix Project" is successful
  - However, he is facing a tremendous amount of work
  - Huge backlogs of issues, features and projects
  - Your team will take different roles within Parts Unlimited
  - You can be Retail Operations, Human Resources or the CFO and run your projects
  - You can play the role of the VP of IT Operations, or lead one of the IT functions
  - You will be suggesting improvements, addressing issues, developing applications, managing operations or other members from his IT Team that needs to develop the applications and solve the IT Issues
  - Your challenge is to use the DevOps principles and apply them in this serious Business Simulation
  - In four rounds you will work on the IT Projects and IT Issues and make sure "The Phoenix Project" is finished on time
  - But, beware, the business keeps coming up with new ideas and demands, and external developments outside your control can also throw a spanner in the works
- - Target Audience
    - This simulation is targeted at all roles and employees in Business, IT Development and IT Operations who want to apply Lean, Agile and ITSM principles to improve the performance of their IT Services or to create more value out of their IT Solutions
    - This simulation is for organizations who want to develop their culture to achieve better collaboration and as a result, faster and error-free deployment of new IT Solutions
- - The simulation can be used for:
    - Awareness programs
    - Assessment sessions
    - Teambuilding

Modalités

- Type d'action :Acquisition des connaissances
- Moyens de la formation :Formation présentielle – 1 poste par stagiaire – 1 vidéo projecteur – Support de cours fourni à chaque stagiaire
- Modalités pédagogiques :Exposés – Cas pratiques – Synthèse
- Validation :Exercices de validation – Attestation de stages