

Module Synopses

PDC 1 Fundamentals of Cloud Computing

1. Cloud Foundations

This foundational module provides a detailed overview of cloud concepts, Cloud Computing Service Provider's core services, security, architecture, pricing, and support. This module equips the trainees with the necessary technical skills in the area of Cloud Computing, to build Cloud based projects that aligned to industry requirements. The project ideas will come from the Course Team. This module makes use of training materials from industry. The module prepares candidates for industry certifications such as but not limited to the AWS Certified Cloud Practitioner certification.

2. Linux System Administration

This module introduces the trainees to the Enterprise Linux Operating Systems. The trainees learn to be effective administrators of enterprise Linux systems, mastering basic Linux system administration tasks such as adding hardware, managing users, understanding file systems and partitioning logical volumes, SELinux, firewall, troubleshooting and attaching the machine to an existing network.

PDC 2 Architecting and Solutioning on Cloud

3. Cloud Architecting

This intermediate level architecting module covers the fundamentals of building cloud based IT infrastructure. The module is designed to teach aspiring solutions architects how to optimize their use of the Cloud by understanding cloud based services and how the services fit into the Cloud solutions. This module equips the trainees with the necessary technical skills in the area of architecting in Cloud Computing, and building cloud based solutions in the capacity of Solutions Architect Associate. The module prepares candidates for industry certifications such as but not limited to the AWS Certified Solutions Architect Associate certification.

4. Intelligent Digital Solution

This module covers various digital technologies such as networking, Internet of Things and Machine-to-Machine (M2M) communications, cloud computing services, digital security management, video analytics, focusing on how these technologies work together to create a complete digital solution for Industry 4.0 applications. Various application use cases will be discussed including Singapore government's Smart Nation and Industry 4.0 initiatives. This module aims to equip the trainees with knowledge to understand digital technologies used in modern-day industries, and to design, implement and manage new digital solutions.