Telecoms & Tech Academy

COURSE DESCRIPTION
THE CLOUD FOR TELECOM

Format:
Classroom

Duration:
2 Days

KNect365
Learning

an *informa* business

COURSE SUMMARY

HIGHLIGHTS

- **Highly focused and in-depth training from the experts - including relevant updates from Informa's extensive research team**

- **Expert trainers and programme directors who are industry experienced, and highly accomplished training professionals**

- **Training outcomes and competency development designed to provide a comprehensive overview of cloud concepts, cloud technology, cloud services, and the opportunity for Operators**

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"It really has broadened my knowledge"

IAS, MTEL

COURSE SUMMARY

This programme provides a comprehensive overview of cloud services and technology and explains in detail what it means for both cloud services providers (including established telecoms operators) and customers.

We start with the concepts and features of cloud services before looking at the underlying technology and architecture that underpins the cloud, as well as the business drivers and issues facing businesses and consumers when migrating to the cloud.

The features and benefits of the cloud are then considered in more detail, highlighting the opportunities for telecoms operators as cloud service providers, the business models available, the likely position within the value chain, implementation options , and the foundations on which the telecoms operator's secure cloud services can be built – including access technologies, security, trust, billing, pricing, customer relationship, IT infrastructure, device management, integration with other services, and partnerships.

Services and deployment models are explored and discussed in sufficient depth to enable participants to assess the full implications and impact on the wider network from both a cloud-service user and cloud-service provider perspective – including capacity and Quality of Service.

Current implementation and deployments options are illustrated with real-life case studies to ensure that participants have the full picture.

OUTCOMES & COMPETENCY DEVELOPMENT

Participants will develop or be able to:

- Contribute more effectively to discussions and development of the cloud implementation or strategy within their own organisation

- Evaluate implementation options for secure and reliable cloud service offerings, including technology options and deployment

- Fully understand the technology requirements for cloud services and the demands placed on both the wider core network and the access network

- Develop solutions in a way that is consistent with the wider requirements of the organisation

- A solid foundation on which to further develop their competencies and knowledge of cloud computing

- The confidence to contribute to the development of commercially viable customer solutions

- Make decisions on cloud technology implementation and procurement that are commercially viable, minimise risk, and are in line with the strategy and goals of the wider organisation.

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telecomstechacademy.com

Book over the phone
+44 (0)20 7017 4144

Book via email
training@telecomstechacademy.com

COURSE CONTENTS

INTRODUCTION TO THE CLOUD

- Cloud Computing Defined
- Traditional IT Infrastructure and Services
- What is new about the Cloud
- Cloud Computing Reference Model
- Deployment Models:
- Public
    - Private
    - Community
    - Hybrid
- Exercise – Role Play CIO/CFO Likely Discussions'

SERVICE MODELS

- The Overall Service Model
- Software as a Service (SaaS)
- Platform as a Service (PaaS
- Infrastructure as a Service (IaaS)
- IaaS, PaaS and SaaS Examples
- Server Virtualisation
- XaaS Pros and Cons
- Exercise – Provision, Use and Critically Analyse a Service
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MIGRATION TO THE CLOUD

- Business Case Drivers
- Enthusiasm for Migration
- Migration Steps
    - Application identification
    - Trust Boundaries
- Certification and Compliance
- Legal Considerations
- Risks and Mitigation
- Security
- Exercise – Produce a Justified Migration Plan

THE ROLE OF THE TELECOMS OPERATOR

- Telecom Operator Value proposition
    - Key asset identification
- Carrier opportunitites
    - Cloud Access
    - Local Hosting
- Cloud Provider opportunities
- Local caching
- Small and Medium Enterprises
- Latency Sensitive apps
    - Internal applications
    - Network Cloud Infrastructure and NFV
- CPE Servers
- Hosted CPE functions
- Mobile Core
- Cloud RAN
    - Inherent Advantages
- Economy of Scale
- Trusted supplier
- Government initiatives
    - Commoditisation threats
    - Exercise – Critically Analyse Your Company (or a company of your choice) as a Cloud Service Provider

THE TELECOMS CLOUD MARKETPLACE

- Cloud Market Maturity
- Telco Cloud Segmentation
- Telco Cloud Services positioning and focus
- Market Entry considerations;
    - Customer Demand
    - Customer Expectations
- Major Players as Telco Cloud enablers;
    - SaaS players,
    - Service Broking,
    - PaaS,
    - IaaS
- Infrastructure Partners
- Integration Partners
- Leading Telco Cloud Case Studies

OUR TRAINING SERVICES

TELECOMS & TECH ACADEMY STRUCTURE

Our training programmes are delivered worldwide as part of the training and development plans of many operators, vendors, and service providers. The programmes cover a wide range of competency development requirements.

To ensure we meet the training needs of the industry as effectively as possible, we operate three schools:

School of Telecoms & Tech Business
Business training tailored to the telecoms industry, ranging from the intensive 5-day Telecoms Mini MBA to specialist leadership and marketing training.

School of Advanced Communication Technologies
Covering a multitude of technologies, these courses range from overviews aimed at non-technical staff to in-depth engineering training.

Distance Leaning
Our comprehensive suite of Distance Learning programmes provides an excellent opportunity to expand knowledge and build confidence.

OUR TRAINERS

We only use trainers and programme directors that satisfy the following three criteria:

- Experts in their field
- High level of Industry Experience
- Expert facilitators and training professionals

All our trainers have undergone a rigorous selection process and are subject to continuous monitoring and evaluation. Each trainer is accredited for specific courses or topic areas. Whether engineers or business experts, all our trainers are required to continue their own development within their specialist areas, and to broaden their Industry view of trends, best practice and technology.

This is achieved by our ongoing work with many tier 1 operators and vendors, and by full exposure to Ovum research and KNect 365 TMT worldwide events.

UNIVERSITY ACCREDITATION

Some of our programmes have been accredited by the University of Derby Corporate, a UK-based university highly acclaimed in the area of employer engagement. The University of Derby Corporate is at the forefront of the drive to integrate highly focused industry-led training with the academic rigour and quality control of university-based education. Our comprehensive Advanced Telecoms Management Series has been accredited as Postgraduate Level, with our extensive suite of Distance Learning at Undergraduate Level.

We would be happy to discuss extending accreditation to tailored ATMS or programmes based on our Distance Learning modules. Although accreditation is specific to these programmes, the work we do with the University of Derby enables us to develop and apply best practice across our portfolio.

CUSTOMISED IN-HOUSE TRAINING

Telecoms & Tech Academy has worked with countless companies to deliver customised training programmes. We take time to understand your requirements, you'll work with our specialist training team to ensure that we deliver your perfect training programme for your business.

A customised training programme from Telecoms & Tech Academy ensures you get a course that precisely matches your organisation's needs, presented by a first-rate training organisation, with access to all the latest industry research and analysis.

WHY CHOOSE IN-HOUSE TRAINING FROM TELECOMS & TECH ACADEMY?

- Content can be customised to focus on the issues you want – work with us to develop the training course to match your exact needs
- Unique industry research – from Ovum's team of industry leading analysts
- Expert trainers – our team of versatile trainers has the knowledge and experience to deliver a highly effective learning experience
- The most efficient way to train your staff – at the time and location to minimise disruption
- Flexible delivery options – with a range of instructor-led, distance learning and virtual classroom formats available you can build a blended solution to maximise long-term training effectiveness
- Pre- and post-course assessment – can be included in programmes to measure competencies and check on the required progress.

Contact us to discuss how we can build your perfect programme.

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