EMPIRICAL
Innovating Telecoms Training

> Very interesting, sure sparked my interest on 5G. Hope to see more courses like this!

Watch our course intro video.

5G Application Programming Interfaces

Course Description

Much of the 5G Core Network will be based on the Service Based Architecture, which utilizes Service Based Interfaces for communication. As such, the use of RESTful based APIs across the 5GC will be the focus of this short course. Topic areas include REST concepts, REST applied to 5G and specific use case scenarios for 5G APIs.

Prerequisites: LTE System Engineering or equivalent knowledge.

1/2 day (LiveOnsite, LiveOnline)

3 hours learning (OnlineAnytime)

3 CPD Learning Credits

Level: 2 (Intermediate)

This course will contain the following sections:

1. 5G Application Programming Interfaces

Topic areas covered include:

- RESTful APIs.
- REST Principles.
- Applying REST to 5G:
  - SBI Protocol Stack.
  - HTTP/2.
  - Standardization of 5G SBI APIs.
- 5G API Use Case – Establishing a PDU Session:
  - Service Registration.
  - Service Discovery.
  - Session Establishment.
- 5G API Use Case – Subscriber Data:
  - Registering the AMF.
  - Subscriber Data Acquisition.
  - Subscriber Data Subscription.

Watch a Sample Video Online

1/2 day (LiveOnsite, LiveOnline)

3 hours learning (OnlineAnytime)

ITP

ITP accredited course

LiveOnsite, LiveOnline, OnlineAnytime

ENTERPRISE

Need to train a large group?

mpirical.com/enterprise

TEAM

Training for a team?

mpirical.com/team-training

INDIVIDUAL

Looking for yourself?

mpirical.com/individual-training

Managed Learning Services

As part of our managed learning service we can offer you and your organisation a full range of services including:

mpirical.com/about-us/managed-learning-services

- Bespoke content and courseware development.
- Product specific training packages, including product updates.
- Dedicated trainers to understand your products and training requirements.
- Managed training delivery services – administrative aspects including scheduling and liaison.
- Customizable learning management system.
- Traditional classroom, virtual classroom or video based online learning options.

NetX

The Mpirical Network Visualisation Solution: **NetX Bringing Telecoms to Life!**
Imagine the benefits of having an entire mobile network available from your desktop.

- Where you can view a complete network map.
- Watch call flows across the network.
- Investigate network procedures.

NetX does this... and even more with our NetX customization options!
NetX is not just a learning aid, it is a valuable resource in the day to day activities of any telecoms professional and has been spotlighted as such by the 3GPP.

Explore NetX further at www.mpirical.com/netx

+44(0)1524 844669 enquiries@mpirical.com **www.mpirical.com**