



# Welcome to Multi-Access Edge Computing (MEC)

5G\_114d | On-Demand | 5G Core | ⚙️

Course Duration: 1 hour

Multi-Access Edge Computing (MEC) pushes cloud-computing capabilities closer to the user across multiple access network domains. This course provides an overview of the MEC framework, the underlying technology and its use cases.

## Intended Audience

This course is designed for a broad audience of personnel working in the wireless industry.

## Objectives

After completing this course, the learner will be able to:

- Define Multi-Access (or Mobile) Edge Computing (MEC)
- List the benefits of MEC and key use cases for Industry 4.0
- Illustrate end-to-end architecture of MEC in LTE and 5G networks
- List key considerations and challenges of MEC deployment

## Course Prerequisites

No Prerequisites

## Outline

1. What and Why MEC?
    - 1.1 What is MEC and Why?
    - 1.2 Benefits of MEC
    - 1.3 Location considerations for MEC deployment
    - 1.4 Deployment use casesExercise: Knowledge check
  2. MEC Architecture
    - 2.1 End-to-end architecture of LTE and 5G for MEC
    - 2.2 MEC application within operator's network
    - 2.3 MEC application within customer premiseExercise: Knowledge check
  3. MEC Enablers and Deployment Scenarios
    - 3.1 Enablers for MEC - Edge cloud, NFV, SDN
    - 3.2 5G RAN and 5G Core for MEC
    - 3.3 Overview of MEC operations
    - 3.4 MEC deployment scenarios
    - 3.5 Key considerations and challengesExercise: Knowledge check
- Putting it all together  
Final assessment