# Welcome to Multi-Access Edge Computing (MEC)

## 5G 114d | On-Demand | 5G Core | Express 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

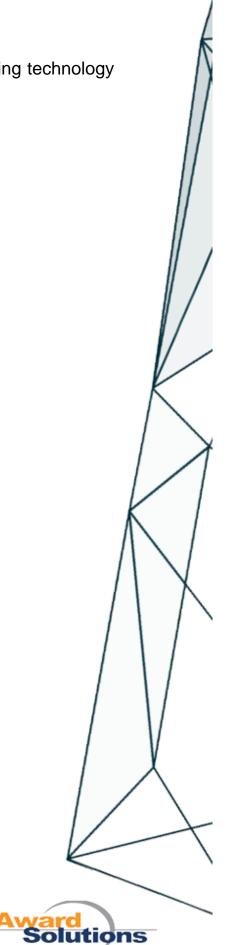
1. What and Why MEC? 1.1 What is MEC and Why? 1.2 Benefits of MEC 1.3 Location considerations for MEC deployment 1.4 Deployment use cases Exercise: Knowledge check

- 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 premise Exercise: 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 challenges Exercise: Knowledge check

Putting it all together **Final assessment** 





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