Clusters

Technologies

5G
Aeronautical
Augmented Reality
Automotive Intelligent Transport
Broadband Cable Access
Broadband Wireless Access
Broadcast
Cyber Security
DECT
Mobile Radio
Digital Signature
eHEALTH
EMC
Energy Efficiency
Environmental Aspects
Experiential Networked Intelligence
Fixed-line Access
Fixed Radio Links
Human Factors & accessibility
Information Security Indicators
Internet of Things
Lawful Interception
Maritime
Medical devices
Mobile
Multi-access Edge Computing
MEC PoC
Next Generation Protocols
NFV
PMSE
Quality of Service
Public Safety & emergency communications
Quantum Key Distribution
Quantum-Safe Cryptography
Radio
Radio LAN

Multi-access Edge Computing (MEC)

Introduction | Our Role & Activities | Specifications | Blog

Multi-access Edge Computing (MEC) offers application developers and content providers cloud-computing capabilities and an IT service environment at the edge of the network. This environment is characterized by ultra-low latency and high bandwidth as well as real-time access to radio network information that can be leveraged by applications.

MEC provides a new ecosystem and value chain. Operators can open their Radio Access Network (RAN) edge to authorized third-parties, allowing them to flexibly and rapidly deploy innovative applications and services towards mobile subscribers, enterprises and vertical segments.

Strategic relevance of MEC

MEC is a natural development in the evolution of mobile base stations and the convergence of IT and telecommunications networking. Multi-access Edge Computing will enable new vertical business segments and services for consumers and enterprise customers. Use cases include:

- video analytics
- location services
- Internet-of-Things (IoT)
- augmented reality
- optimized local content distribution and
- data caching

It uniquely allows software applications to tap into local content and real-time information about local-access network conditions. By deploying various services and caching content at the network edge, Mobile core networks are alleviated of further congestion and can efficiently serve local purposes.

MEC industry standards and deployment of MEC platforms will act as enablers for new revenue streams to operators, vendors and third-parties. Differentiation will be enabled through the unique applications deployed in the Edge Cloud.

Upcoming events

MEC#16: 03-06 December 2018, Plano, Texas, US
MEC#17: 25–28 March 2019, Madrid, Spain
MEC Tech F2F#3: 14–16 May 2019, Haifa, Israel
MEC#18: 1–4 July 2019, Sophia Antipolis, France
MEC#19: 10–13 September, China, tbc

Related News

ETSI MEC Hackathons bring developers together in China, Germany and Italy to trial edge computing solutions

ETSI MEC issues White Paper on enterprise needs and a Report for V2X applications

ETSI Multi-access Edge Computing group publishes white paper on role for 5G

Related Events

1st ETSI MEC Hackathon

Webinar - MEC at work: 4G and 5G deployments

Webinar - ETSI Multi-access Edge Computing: where we are, where we are going?

External Links

5GAA White Paper on Toward fully connected vehicles: Edge computing for advanced automotive communications

Openstack White Paper on cloud edge computing

Related Documents

Presentations at Industry Events

White Paper: MEC in an Enterprise Setting: A Solution Outline

- Rail Communications
- Reconfigurable Radio
- Safety
- Satellite
- Security
- Security algorithms
- Smart Appliances
- Smart Body Area Networks
- Smart Cards
- Smart Cities
- Testing languages
- TETRA
- Zero touch network & Service Management

White Papers & Brochures

MEC Tech F2F#4: 15–17 October, US, tbc
MEC#20: 12–15 November, Sophia Antipolis, France

- White Paper: MEC in 5G networks
- White Paper: MEC Deployments in 4G and Evolution Towards 5G
- White Paper: Cloud RAN and MEC: A Perfect Pairing
- White Paper: Developing Software for MEC
- MEC technology leaflet

More Info

- List of MEC members and participants
- MEC Hackathon Wiki
- MEC Proofs of Concept
- MEC APIs
- Join MEC