



# **DROIDCON MEC HACKATHON 2020**

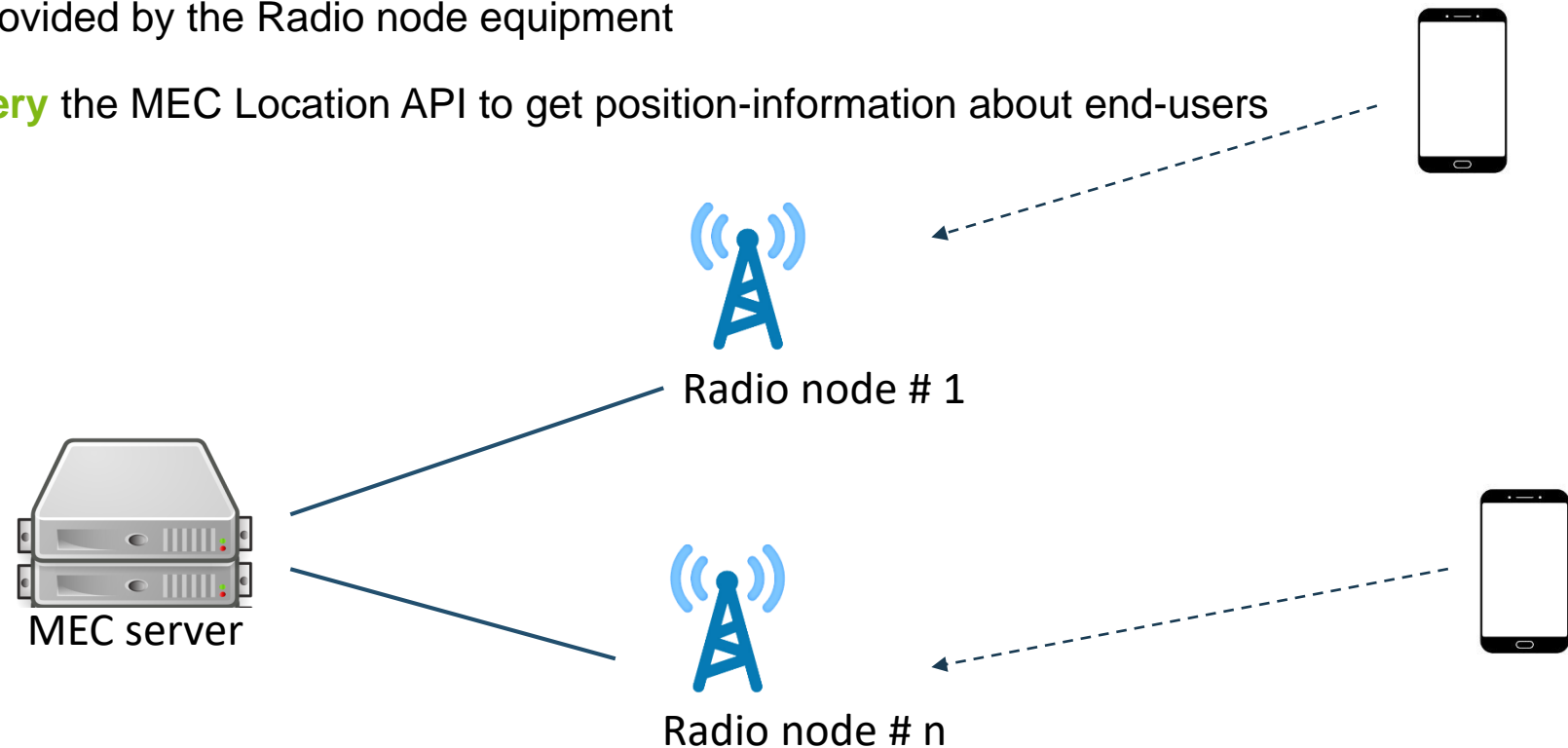
## **DEVELOPERS GUIDELINES FOR THE USAGE OF LOCATION API**

[linksfoundation.com](http://linksfoundation.com)



# MEC LOCATION API: DEFINITION AND HOW IT WORKS

- Defined in ETSI GS MEC 013 V2.1.1 (2019-09) - Mobile Edge Computing (MEC); Location API
- The MEC location API is useful to collect the **real-time positions** of the end-users served by the radio node(s) associated with the Mobile edge host
  - end-user equipment does not need any software installed
  - The information is provided by the Radio node equipment
- **MEC applications can query** the MEC Location API to get position-information about end-users



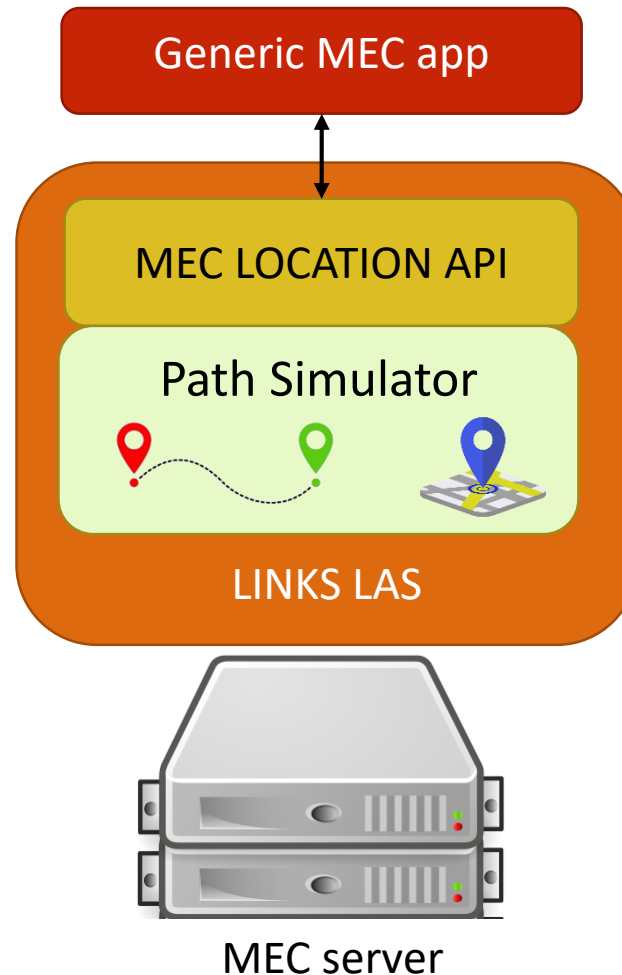
# MEC APP INTERACTIONS WITH MEC LOCATION API

- MEC Location supports both queries and subscriptions (pub/sub mechanism)
  - **UE Location Lookup**: location information about one or more UEs
  - **UE Information Lookup**: information of a list of UEs in a specific location
  - **UE Location Subscribe**: location information of one or more UEs for a time lapse
  - **UE Information Subscribe**: notifications of UE Information updates for the list of UEs in a specific location
  - **UE Tracking Subscribe**: notifications of UE information updates for a specified UE
  - ...
- Requests from MEC APP to MEC Location API performed using **POST method**
- Information provided as a **JSON object**
- All details about data format, requests and responses described in ETSI GS MEC 013 V2.1.1 (2019-09)
  - additional material is available on ETSI Forge website [https://forge.etsi.org/rep/gitweb.cgi/MEC.GS\\_013.git](https://forge.etsi.org/rep/gitweb.cgi/MEC.GS_013.git)

# MEC LOCATION API SIMULATOR

- Radio nodes available only in real production environments
- LINKS developed a **MEC Location API simulator (LAS)** to help the development of services based on the Location API

- **Simulation** of a set of end-users moving according to predefined paths
- More information will follow soon



- Developers can code their apps without caring about the underlying details
- If a real location API is available, the **Generic MEC App can work exactly in the same way**



# Contacts

For any question please contact the  
Hackathon organizing committee at

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[linksfoundation.com](http://linksfoundation.com)

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