

Edge computing APIs

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Developer community needs open, consistent and stable APIs

- ETSI MEC has published a set of specifications on API Framework and service specific APIs
 - See e.g. <https://datatracker.ietf.org/meeting/98/materials/slides-98-nfvrg-sessb-12-multi-access-edge-computing-mec-applications-00>
- MEC API characteristics:
 - RESTful HTTP APIs
 - OpenAPI compliant descriptions both in YAML and JSON
 - All APIs electronically available and can be navigated in browser (swagger UI), for example Radio API:
 - <https://forge.etsi.org/gitlab/mec/g012-rnis-api/raw/master/RniAPI.yaml>
- Same flavors used in 3GPP 5G service based architecture API definitions!
- [See more about MEC APIs in https://github.com/wol190/ETSI-ISG-MEC](https://github.com/wol190/ETSI-ISG-MEC)

Available OpenAPI 2.0 compliant API definitions for following services

- **MEC-012 Radio Network Information API**
 - Queries for cell associations, bearers and L2 measurements.
 - Notifications for Radio bearer establishments, modifications, handovers, etc.
- **MEC-028 WLAN API**
 - Queries for Access Point info, WLAN Station Info.
 - Notifications for Stations associated to an Access Point, PHY Data Rates
- **MEC-013 Location API**
 - Queries for UE Location Lookup, UEs in a particular location, etc.
 - Notifications for UE Information updates for the list of UEs in a particular location
- **MEC-014 UE Identity API**
 - Allows to define UE specific Identity tags that are associated with traffic rules in the mobile edge system.
- **MEC-015 Bandwidth Management API**
 - Getting, setting and updating BW allocations for sessions

Target: a developer ecosystem that spans across different deployments



MEC Application Development Community

Interaction & Information Exposure

Key functionalities for Edge Computing

