

# Dyncast (Dynamic anycast) in CFN

routing service requests based on computing and network metrics

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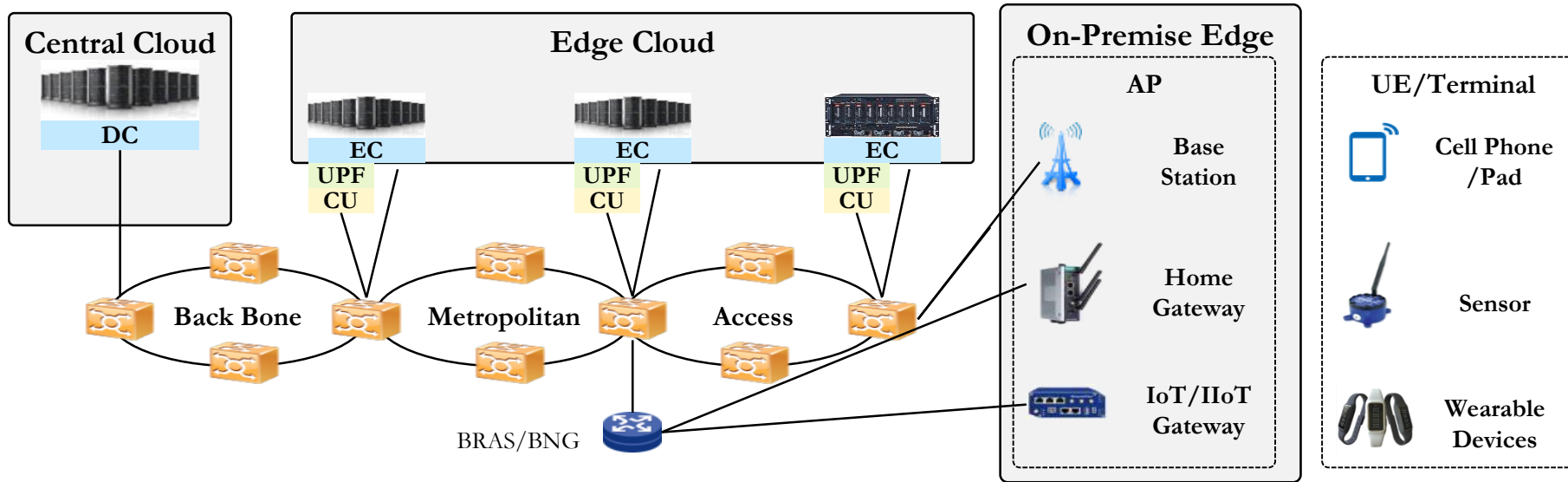
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[draft-geng-rtgwg-cfn-dyncast-ps-usecase](#)

[draft-li-rtgwg-cfn-dyncast-architecture](#)

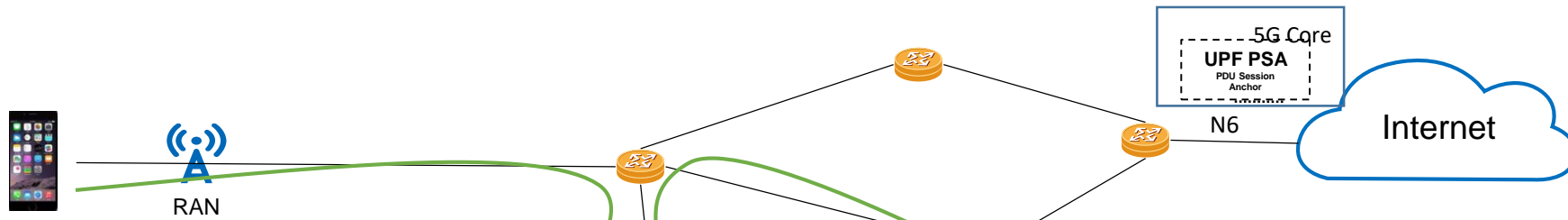
IETF109 hotrfc

# Problems in edge computing

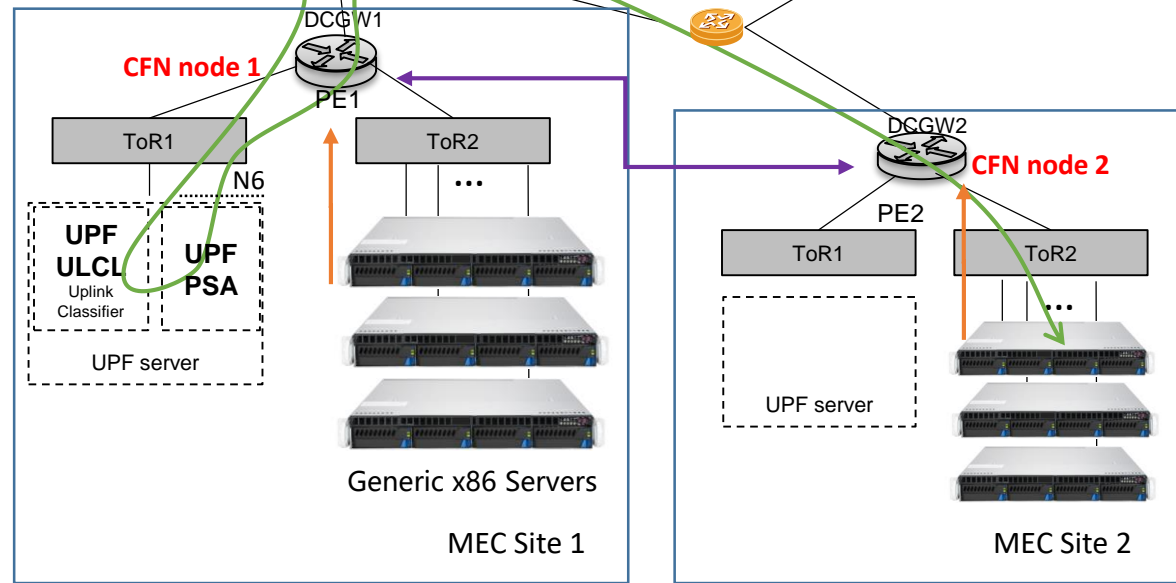


- Large number of edge sites
- Limited and varying computing resource for each site
- **Question: Which edge is the best to route a computing demand to?**
  - Computing resource and load attached
  - Network status
  - In real time

# Concept of Dyncast in CFN



- Clients use anycast address to access a service
- Routing the packets to the best edge in terms of computing and network load. Transparent to the clients.



Data plane:

→ Data flow to the selected MEC Site 2

Control plane:

→ Service info notification and update to CFN node

↔ Info distribution among CFN nodes

## Proposed features to be supported in dyncast:

- Anycast based service addressing methodology
- Flow Affinity
- Computing Aware Routing

# Activity in IETF 109

- Virtual Side Meeting:

- Wed (Nov 18), start 5 min after IETF plenary ends, 75-min session
  - UTC 10:45 - 12:00
  - CET (UTC+1) 11:45 - 13:00
  - CST (UTC+8) 18:45 - 20:00
  - PST (UTC-8) 02:45 - 04:00
- Information also available on side meeting wiki:  
<https://trac.ietf.org/trac/ietf/meeting/wiki/109sidemeetings>
- Webex: [cfn-dyncast](#)
- Email me at [liyizhou@huawei.com](mailto:liyizhou@huawei.com)

- Purpose:

- Understand the use cases, problem space, gaps and challenges
- Review the framework, is it a right direction to go?
- Discuss the potential work and where to fit them in IETF?