

Beyond the Hype: Edge Computing Working Group Update

Tools and Projects to make it all work

13 Nov 2018



Agenda - Edge Computing Tools and Project Update

- **Introductions**
- **Edge Computing Projects and Use Cases**
- **Emerging Tools**
- **Next Steps and call to action**
- **Questions**

Who we are.



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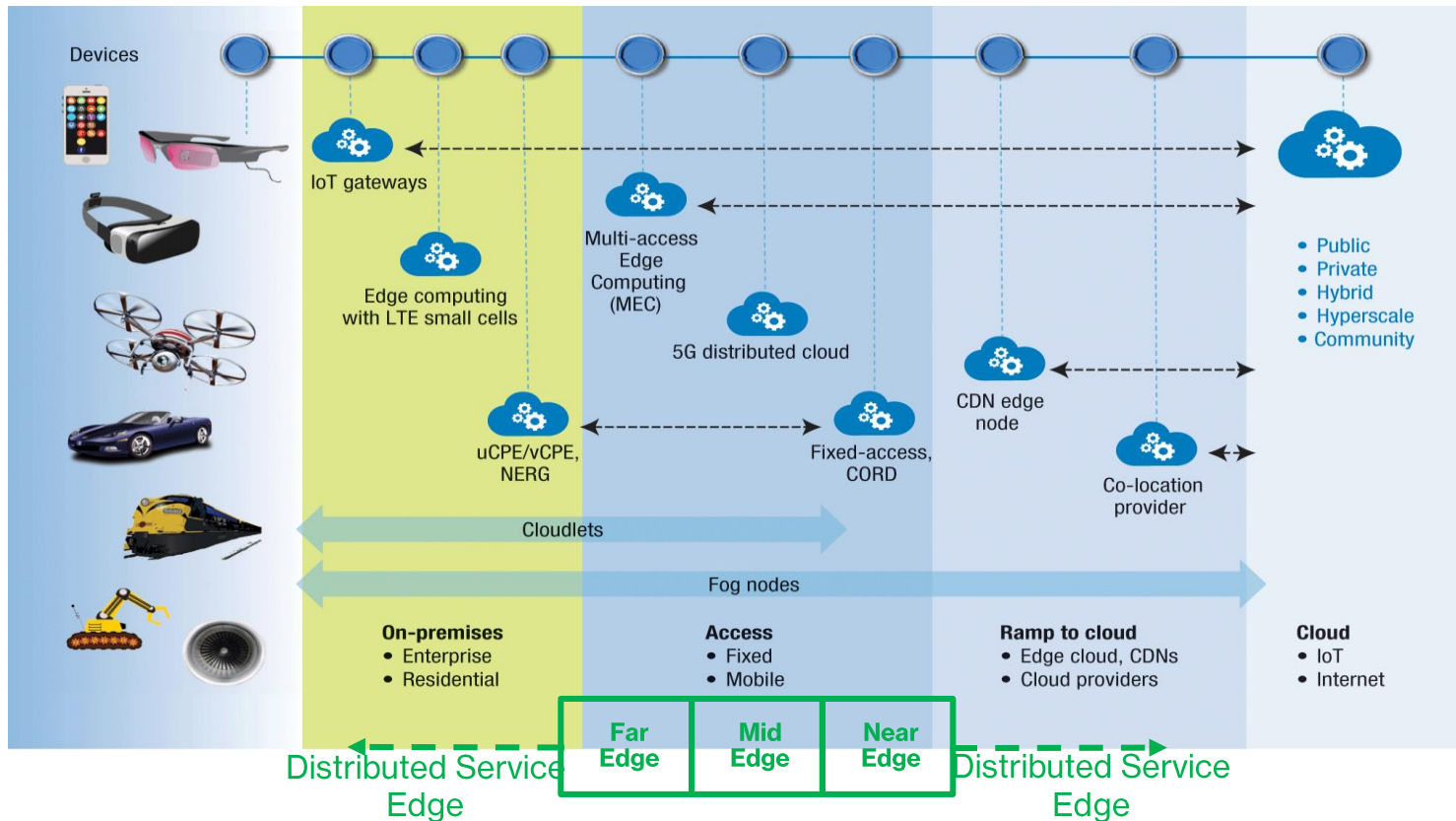


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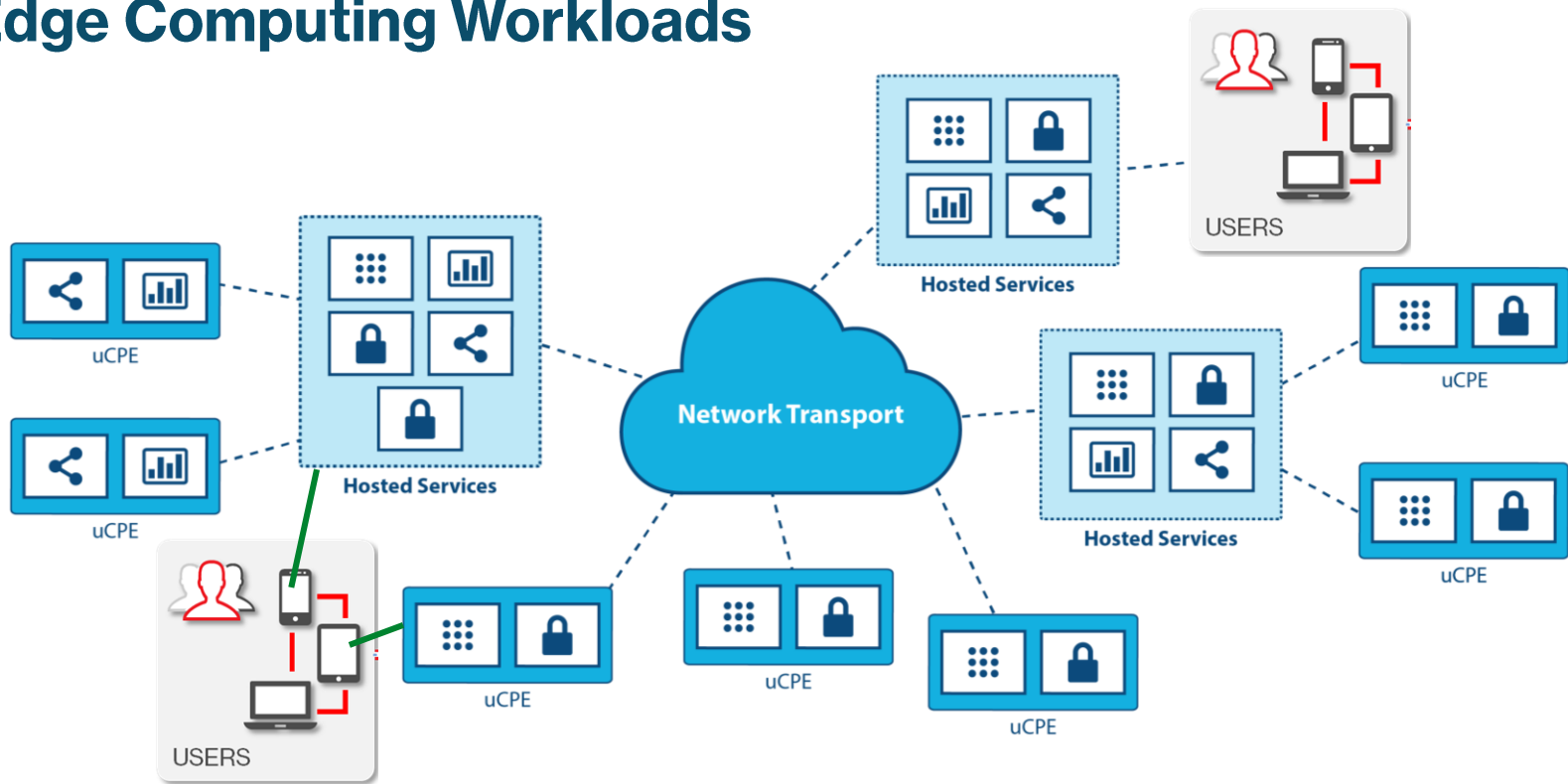
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Network Edge – In Context



Focus Area Is Expanding

Edge Computing Workloads



History of Edge Computing Activities

- OpenDev, San Francisco, 2017 September: Presentations and working sessions with ~200 participants
- OSF Edge Computing Group formed and published White Paper March 2018
- Sydney OpenStack Summit, 2017 November
 - Edge related presentations and Forum sessions with discussions on the term 'edge computing'
- OpenStack PTG, Dublin, 2018 February: Focus on synchronization and transaction management
- Vancouver OpenStack Summit, 2018 May
 - 24 Session Edge track and 4 related projects: Airship, StarlingX, Keystone and Glance
- OpenStack PTG, Denver, 2018 September:
 - Synchronization related design and minimum viable edge solution work continues...
- StarlingX availability announced

Some Relevant Open Source Projects

→ Related OSF Projects

- [OpenStack](#)
 - [Cyborg](#)
 - [Glance](#)
 - [Keystone](#)
 - [IoTronic - unofficial](#)
- [Airship](#)
- [StarlingX](#)

→ Adjacent communities

- [Akraino](#)
- [ONAP Edge Automation Group](#)
- [OPNFV Edge Cloud Project](#)
- [Kubernetes IoT Edge Working Group](#)
- [EdgeX Foundry](#)

More info at https://wiki.openstack.org/wiki/Edge_Computing_Group

Where Do We Go From Here? - Call to Action

- Edge Computing Group
 - Broad industry participation
 - OpenStack and beyond
 - From use cases through requirements to design and implementation
 - Join us on
 - [weekly calls](#)
 - [mailing list](#)
 - IRC - #edge-computing-group on Freenode
- [Edge Computing Track with over 30 sessions](#)
- [Edge Computing Forums](#)

More Resources and Information

Resource	Overview
OpenStack Edge Computing web page	A central place to find pointers to videos of previous events, articles and further content on Edge Computing.
OpenStack Edge Computing mailing list	A forum for discussions concerning Edge and Edge Computing not exclusively to OpenStack.
Internet Relay Chat (IRC ; https://wiki.openstack.org/wiki/IRC)	Massively Distributed Clouds IRC meetings (online) are held in every two weeks (odd weeks), 1500 UTC on Wednesday, in IRC channel #openstack-meeting.
OpenStack Marketplace (https://www.openstack.org/marketplace/)	One-stop resource to the skilled global ecosystem for distributions, drivers, training, services and more.
Complete OpenStack documentation (https://docs.openstack.org/)	Index to all documentation, for every role and step in planning and operating an OpenStack cloud.
Welcome to the community! (https://www.openstack.org/community/)	Join mailing lists and IRC chat channels, find jobs and events, access the source code and more.
User groups (https://groups.openstack.org/)	Find a user group near you, attend meetups and hackathons—or organize one!
OpenStack events (https://www.openstack.org/community/events/)	Global schedule of events including the popular OpenStack Summits and regional OpenStack Days.

Questions?



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