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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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

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

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

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