Two+ Years and Still Going Strong: OSF Edge Computing Group Update
Who We Are

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Scope for the OSF Edge Computing Working Group

- Identify use cases and scenarios related to edge computing
- Focus on challenges and solutions in the IaaS layer
  - Find common requirements
  - Define common edge computing architectures
  - Design and implement
    - Enhancements to existing projects and services to provide a better fit for edge
    - New projects and services to implement missing functionality
- Emphasize the importance of open infrastructure
- Encourage industry-wide collaboration

Whitepaper: https://www.openstack.org/assets/edge/OpenStack-EdgeWhitepaper-v3-online.pdf
Collaboration

- Weekly calls
  - Zoom calls in alternating time slots
- Mailing list
- IRC - #edge-computing-group on Freenode

[https://www.openstack.org/edge-computing/](https://www.openstack.org/edge-computing/)
MVP Reference Architectures

Centralized Control Plane

- Centralized DC
  - Identity Provider
  - Keystone
  - Nova API
  - Nova Compute
  - Nova Conductor
  - Nova Placement
  - Neutron API
  - Neutron Agent
  - Cinder API
  - Cinder Agent
  - Glance API
  - Glance Registry

Large/Medium Edge
- Nova Compute
- Nova Conductor
- Nova Placement
- Neutron Agent
- Glance API
- Glance Registry

Small Edge
- Nova Compute
- Nova Placement
- Neutron Agent
- Glance Registry

Distributed Control Plane

- Centralized DC
- Nova API
- Nova Conductor
- Nova Placement
- Neutron API
- Neutron Agent
- Cinder API
- Cinder Agent
- Glance API
- Glance Registry

Large/Medium Edge
- Nova Compute
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Small Edge
- Nova Compute
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Questions

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