OpenStack Introduction

ETSI NFV - OpenStack Gathering, September, 2017, Denver

ILDIKO VANCSA - ECOSYSTEM TECHNICAL LEAD, OPENSTACK FOUNDATION
Agenda

➡ OpenStack as Software
➡ OpenStack as a Community
➡ Project Structure
➡ Governance
➡ Working Groups (WG) and Special Interest Groups (SIG)
➡ OpenStack and NFV
OpenStack as Software

- **IaaS**
  - Compute
  - Storage
  - Networking

- **Additional Services**
  - Dashboard
  - Monitoring
  - …

- Applications running on top
OpenStack as a Community

➡ Four Opens

- Open Source
- Open Design
- Open Development
- Open Community

➡ Framework for collaboration

- Code
- Documentation
- Tests

- 80652 community members
- 187 countries
- 668 supporting companies
- 20M+ lines of code
Project Structure

➡ Official OpenStack Projects
- Meet a set of requirements
  - Aligns with the OpenStack Mission
  - Follows the Four Opens
  - Ensures basic interoperability with the rest of OpenStack
- Can be created on demand

➡ Core and optional services
- Core: essential in every OpenStack-powered IaaS cloud
- Optional: deployed to fulfill specific use cases
Governance

- **OpenStack Foundation**
  - Non-profit foundation to “develop, support, protect and promote” OpenStack

- **Board of Directors**
  - Strategic and financial oversight

- **Technical Committee (TC)**
  - Technical leadership

- **User Committee (UC)**
  - Represents OpenStack Users

- **Project Teams**
  - Project Team Lead (PTL)
  - Core team members
  - Contributors
Working Groups (WG) and Special Interest Groups (SIG)

➡ Working Groups

- Under the governance of the TC or UC
- Focused on a specific segment of the community
- Formed around specific use cases or areas

➡ SIG’s

- Open groups with clear definition on how to join
- Gather operators and developers
- Have a clear description of the problem space
OpenStack and NFV

➡️ OpenStack is widely adopted in the Telecom space

➡️ Related WG’s
  - OpenStack Operators Telecom and NFV Functional Team
  - Fog Edge Massively Distributed Clouds WG
  - OpenStack Product WG

➡️ Collaboration with OPNFV

➡️ Related features and bug fixes are
  - driven by individuals
  - addressed on a per project basis
Thank You!

Questions?