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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)
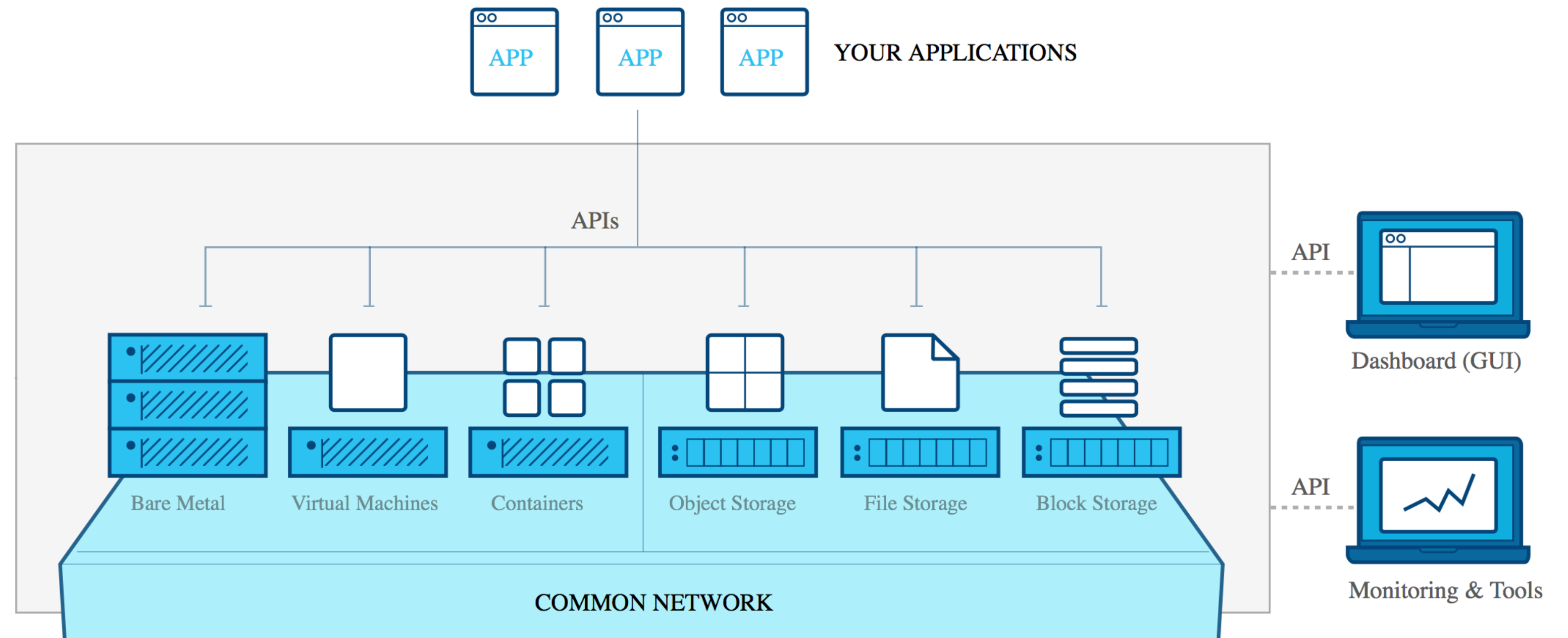
➡ OpenStack and NFV

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

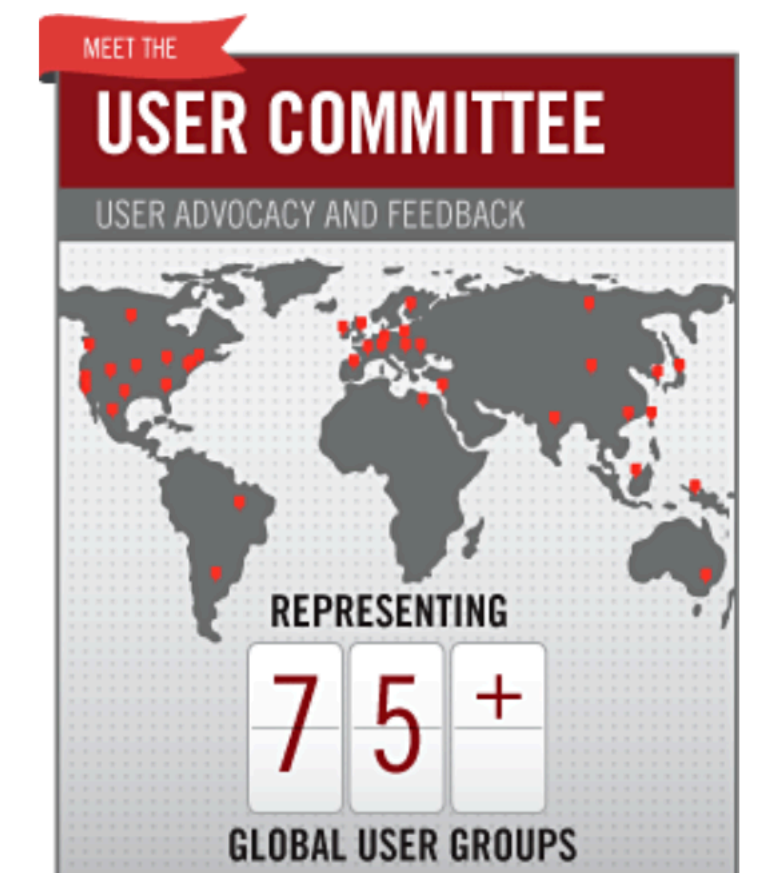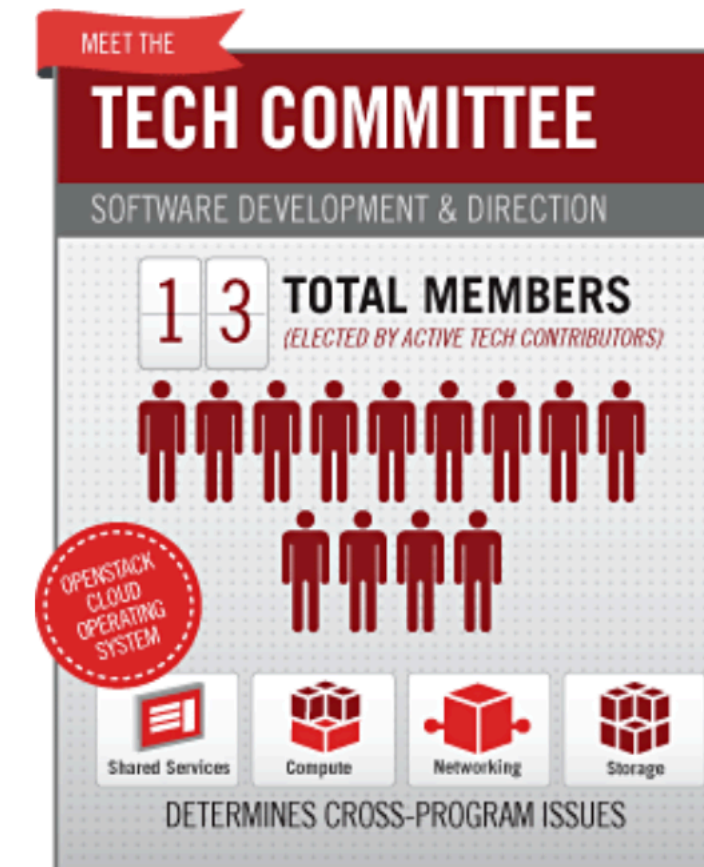➡ Official OpenStack Projects

- 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

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Thank You!

Questions?

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