Multisite

This project has been terminated and archived (voted by TSC on 08 Aug 2017)

Project: Multi-site Virtualized Infrastructure (Multisite)

NFV infrastructure must be distributed across multiple geographical locations. This will require multiple connected OpenStack deployments, of different sizes. The infrastructure will also mix physical and virtual infrastructure.

The platform must be able to support application-level redundancy across different datacenters, network management across multiple sites, and between physical and virtual infrastructure, multi-site image replication, and global and per-site quota management.

This project focus on the enhancement to OpenStack ( Nova / Cinder / Neutron / Glance / Ceilometer / KeyStone ), so that OpenStack as the VIM is able to support multisite NFV cloud.

- Reference: Kickoff meeting: https://etherpad.opnfv.org/p/multisite_kickoff Minutes of Kickoff meeting

Related wiki pages:

- Multisite Project Proposal: multisite_project_creation_review_r1.1.pptx
- Multisite Deployment Environment

- Brahmaputra Release
  - Use Cases
  - Project, Bugs and BPs to OpenStack
  - List of Candidate Work Items / Open Questions
  - Multisite Documentation

- Colorado Release
  - C release planning etherpad: https://etherpad.opnfv.org/p/multisite_colorado_release_planning
  - C Release Planning wiki page: Colorado_Release_Planning
  - Kingbird integration: Kingbird integration

- Danube Release
  - Multisite Release D Planning

- E Release
  - Multisite Release E Planning

- Meeting Calendar
- Meeting Minutes

Presentations(1), Multisite OpenStack for NFV:

- This slides was presented in OpenStack Austin Summit, 2016.

  **Attention: The Tricircle project has been accepted as one of OpenStack big-tent project on Nov.15,2016. Unlike what described in the presentation, the Tricircle shrink-ed its scope on networking automation across Neutron, refer to** https://wiki.openstack.org/wiki/Tricircle for the new Tricircle.
Presentations(2) When one cloud is enough:
- This slides was presented in OpenStack Boston Summit, 2017.
- Attention: Information about the Tricircle is updated.
- Video:

Presentations(3) Shared Networks to Support VNF High Availability Across OpenStack Multi Region Deployment
- This slides was presented in OPNFV Beijing Summit, 2017.
- Attention: detail introduction about Tricircle networking automation
- Slides: https://docs.google.com/presentation/d/1WBdra-ZaiB-K8_m3Pv76o_jhyIEqJXTTxzEZ-cu8u2A/
- Video:

---

Key Project Facts

**Project:** Multi-Site Virtualized Infrastructure (Multisite)
**Creation Date:** April 21, 2015
**Category:** Requirement
**Lifecycle State:** Archived
**Primary Contact:** Chaoyi Huang (joehuang@huawei.com)
**Project Lead:** Chaoyi Huang (joehuang@huawei.com)
**Jira Project Name:** multisite
**Jira Project Prefix:** [multisite]
**Mailing list tag:** [multisite]
**Repository:** multisite

Committers and Contributors

**Committers:**

Chaoyi Huang, Huawei (joehuang@huawei.com)
Boucher Valentin, Orange (valentin.boucher@orange.com)
Dimitri Mazmanov, Ericsson (dimitri.mazmanov@ericsson.com)
Ashish Singh, Ericsson (ashishsingh2k8@gmail.com)
Goutham Pratapa, Ericsson (goutham.pratapa@tcs.com)
Vikram Dham, Huawei (vikram.dham@huawei.com)
Zhipeng Huang, Huawei (huangzhipeng@huawei.com)

**Contributors:**
Xiaolong Kong, Orange (xiaolong.kong@orange.com)
Colin Tregenza Dancer, Metaswitch (ctd@metaswitch.com)
Ulrich Kleber, Huawei (Ulrich.Kleber@huawei.com)
François Despres, Orange (francois.despres@orange.com)
Jie Hu, ZTE (hu.jie@zte.com.cn)
Mike Godley, Intel (michael.godley@intel.com)
Chen Zhengguang, ZTE (chen.zhengguang@zte.com.cn)
Sama Malla Reddy, NTT Docomo (sama@docomolab-euro.com)
Keisuke Kuroki, KDDI Labs (ke-kuroki@kddilabs.jp)
Rajeev Seth, Sonus Networks (rzeth@sonusnet.com)

IRC : freenode.net #opnfv-meeting
GoToMeeting:
  - Weekly on Thursday at 0800 UTC.
  - https://global.gotomeeting.com/join/959683557
  - See meetings/multisite for agenda, details and previous meeting minutes

Trello : Multisite Trello Board for coordination
Mailing List: no dedicated mailing list - use opnfv-tech-discuss and tag your emails with [multisite] in the subject for easier filtering
Repository: multisite