

Technical Advisory Council Meeting

February 28, 2018

Agenda

- › Meeting tools
- › TAC Chair & Governing Board representative
- › Technical communities' goals
- › OpenContrail entry into the LFN
- › TAC Face-to-Face at ONS

TAC Member Directory

Platinum Representatives

Company	Name	Email	Company	Name	Email
AMDOCS	Eyal Felstaine	Eyal.Felstaine@amdocs.com	NEC/NetCracker	Toshiyuki Tamura	tamura@aj.jp.nec.com
AT&T	Mazin Gilbert	mg1528@att.com	Nokia	Tapio Tallgren	tapio.tallgren@nokia.com
ARM	Tina Tsou	Tina.Tsou@arm.com	Orange	Jamil Chawki	jamil.chawki@orange.com
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Project Representatives

Project	Name	Email	Project	Name	Email
fd.io	Ed Warnicke	eaw@cisco.com	ONAP	Mazin Gilbert	mg1528@att.com
OpenDaylight	Daniel Farrell	dfarrell@redhat.com	OPNFV	Tim Irmich	tim.irmich@ericsson.com

New TAC meeting tools

- › LFN TAC wiki page:

<https://wiki.lfnetworking.org/display/LN/Technical+Advisory+Council>

- › IRC Channel connected with MeetBot: #lfn-meeting

- › Mailing list: <https://lists.lfnetworking.org/g/TAC/join>

Roles & Responsibilities of GB Representative vs. TAC Chair

- › GB Representative
 - › Voice of the LFN technical communities to the Governing Board (GB)
 - › Will be a voting representative in the LFN GB
- › TAC Chair
 - › Responsible for running TAC meetings (with the help of LF staff members)
 - › Leading the discussion on defining internal processes (e.g. work groups, setting priorities, etc.)

Technical communities' goals

- › At the March 26th GB meeting, there is an agenda topic to discuss technical communities' 2018 goals & priorities (fd.io, ODL, ONAP, and OPNFV)
- › Suggest setting a deadline of March 9th for finalizing these discussions within each community and review communities' goals & priorities at the next TAC meeting on March 14th
- › When possible, it would be helpful to include if there is a way to measure if a goal has been achieved

Tungsten Fabric SDN Community Overview

VISION

Tungsten Fabric

- Tungsten Fabric seeks to become a ubiquitous global network and security fabric that is agnostic and extends across all cloud infrastructure.
- Key goal to provide easy-to-use, scalable, secure, and cloud-grade SDN stack
- Single point of control, visibility, and management globally for all networks and network security.
- We are looking to evolve the project into the most broadly adopted and highest quality SDN overlay technology available.

USE CASE: MULTI-CLOUD AND CONTAINERS

Integrate Kubernetes, OpenStack, Public Clouds and Bare Metal

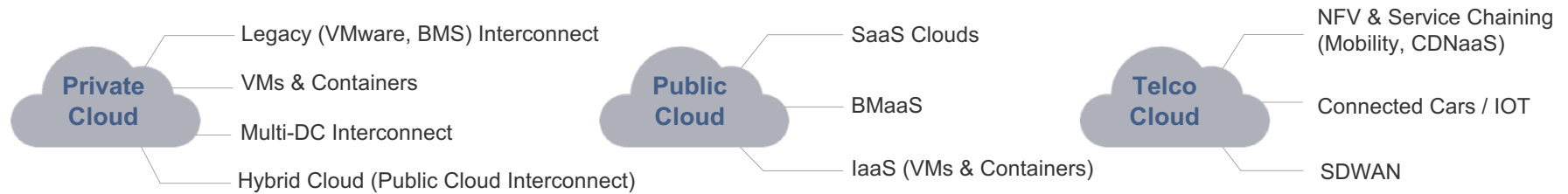
MANAGEMENT



Multi-vendor Orchestration
& Management

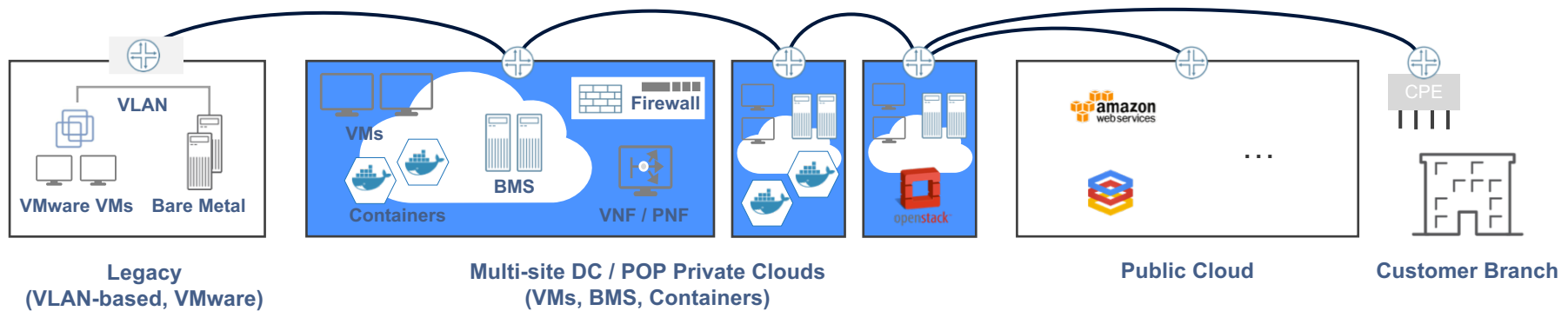


SERVICE
OVERLAY



Tungsten Fabric

UNDERLAY



Automate, Analyze and Secure Across Multiple Cloud Environments

FEATURES



Routing & Switching



Network Services



Load Balancing



Security & Policies



Performance & Scale



Gateway Services



Rich Analytics



Service Chaining

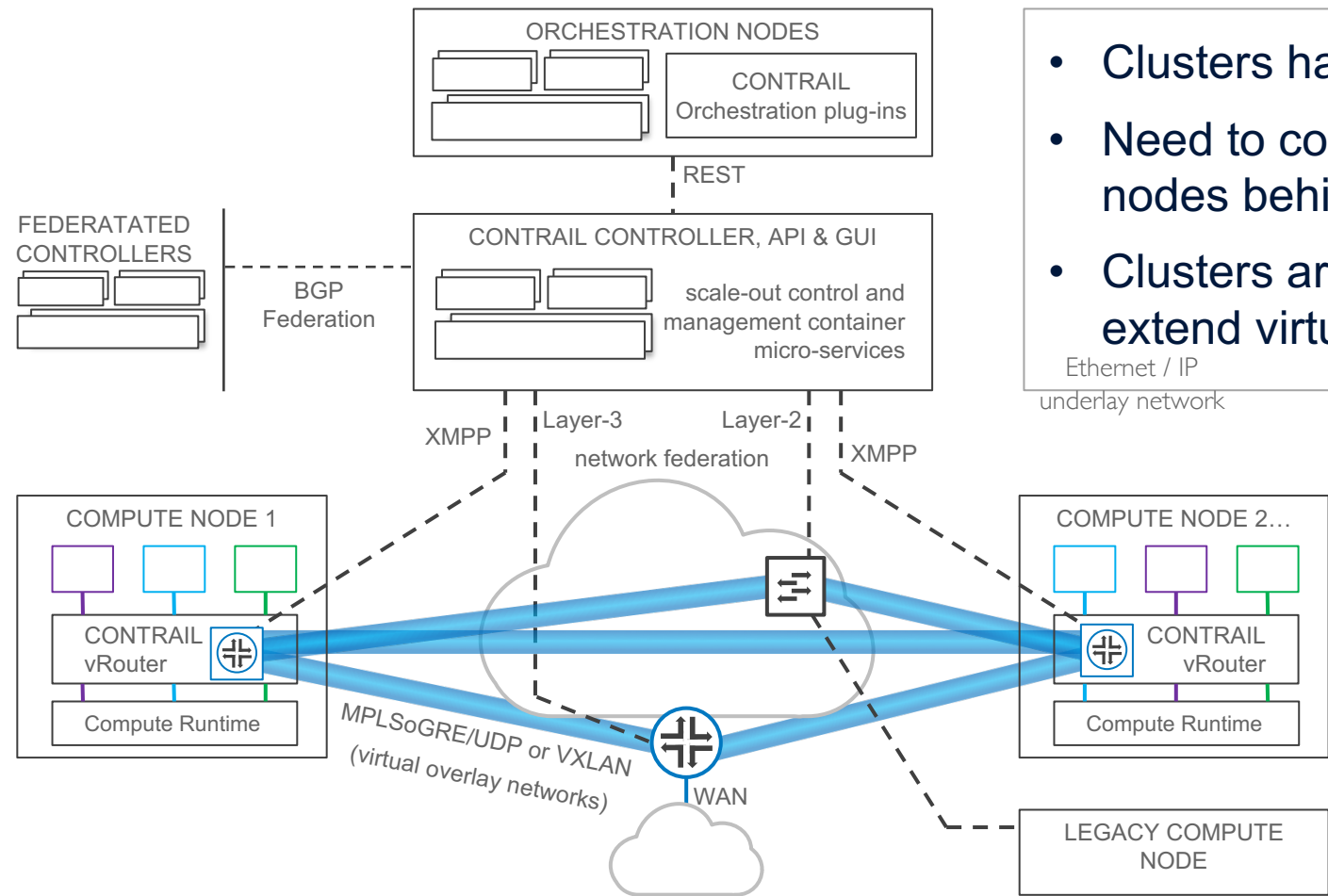


HA & Upgrades



APIs/Orchestrations

ARCHITECTURE



- Clusters have gateway (WAN)
- Need to connect legacy metal nodes behind switches
- Clusters are federated to extend virtual networks

Ethernet / IP
underlay network

CODE BASE

```
.removeClass("active").end().find("[data-toggle="tab"]').attr("aria-expanded", !0, h?(b[0].offsetWidth, b.addClass("in")):b.removeClass("fa...  
().find("[data-toggle="tab"]').attr("aria-expanded", !0, e&&e())var g=d.f...  
;var d=a.fn.tab;a.fn.tab=b,a.fn.tab.Constructor=c,a.fn.tab.noConflict=fu...  
"show");a(document).on("click.bs.tab.data-api", "[data-toggle="tab"]', e...  
se strict";function b(b){return this.each(function(){var d=a(this),e=d...  
typeof b&&e[b]()}}var c=function(b,d){this.options=a.extend({},c.DEFAULT...  
",a.proxy(this.checkPosition,this)).on("click.bs.affix.data-api",a.prox...  
null,this.pinnedOffset=null,this.checkPosition());c.VERSION="3.3.7",c.R...  
state=function(a,b,c,d){var e=this.$target.scrollTop(),f=this.$element...  
"bottom"==this.affixed)return null!=c?!(e+this.unpin<=f.top)&&"bottom"...  
"top":null!=d&&i+j>=a-d&&"bottom"},c.prototype.getPinnedOffs...  
.RESET).addClass("affix");var a=this.$target.scrollTop(),b=this.$elem...  
withEventLoop=function(){setTimeout(a.proxy(this.checkPosition,this)...  
ent.height(),d=this.options.offset,e=d.top,f=d.bottom...  
peof e&&(e=d.top(this.$element)) "c...  
ent.css("top", "u")
```

- 2013-Today: More 300 person years of work
- 200-300 developer contributions
- Languages: C++, Python, Node, Go
- Apache 2.0 license
- GitHub repositories
- Gerrit review processes
- Launchpad bug tracking and blueprints
- Technology Stack: Cassandra, Kafka, HAproxy, Docker, Keystone

COMMUNITY MEMBERS



Face-to-Face meeting during ONS

- › Propose to have a face-to-face meeting at 8-9am Pacific Time on March 27th (Day 2 of the Developer Forum)
- › Potential topics suggested
 - › Brainstorm on how projects can collaborate with each other
 - › Tools harmonization opportunities (e.g. for docs, testing, CI/CD, etc.)
 - › Release timing/alignment
 - › Technical community events