LINUX FOUNDATION
COLLABORATIVE PROJECTS

Proposed Scope of OVP 2018.0x

TSC update, 2018-07-03

Scope of OPNFV Verified 2018.01

Mandatory test cases

- OpenStack interop API tests (205 tests)
- Basic layer 2 packet forwarding (2 tests)
- OpenStack control service high availability (8 tests)

Optional test cases

- IPv6 tenant networks (25 tests)
- BGPVPNs (4 tests)
- Fundamental VIM capabilities (30 tests)

Proposed Scope of OVP 2018.0x

Functest

mandatory

- OpenStack Interop tests 2017.08
- vping (userdata and ssh)
- *Tempest compute (smoke)*
- *Tempest identity v2 (smoke)*
- *Tempest identity v3 (smoke)*
- *Tempest image (smoke)*
- *Tempest network API (smoke)*
- *Tempest volume (smoke)*
- *Tempest Neutron Trunk ports*
- *Tempest IPv6 API*
- *Security: Patrole RBAC tests*

optional

- Tempest IPv6 scenario tests
- Tempest multi node scheduling
- Tempest network security
- Tempest VM lifecycle
- SDNVPN tests
- *Tempest network scenario tests (smoke)*
- *Tempest BGPVPN Tempest API tests*
- *SNAPS smoke tests*
- *vIMS VNF*
- *vEPC VNF*

Yardstick

mandatory

- High-availability of nova-api
- High-availability of neutron-server
- High-availability of keystone
- High-availability of glance-api
- High-availability of cinder-api
- High-availability under high CPU load
- High-availability under high disk load
- High-availability of haproxy
- *High-availability of message queue*
- *High-availability of OpenStack database*
- *High-availability of one controller (restart)*

opt.

- *High-availability of Neutron L3 agent*

Bottlenecks

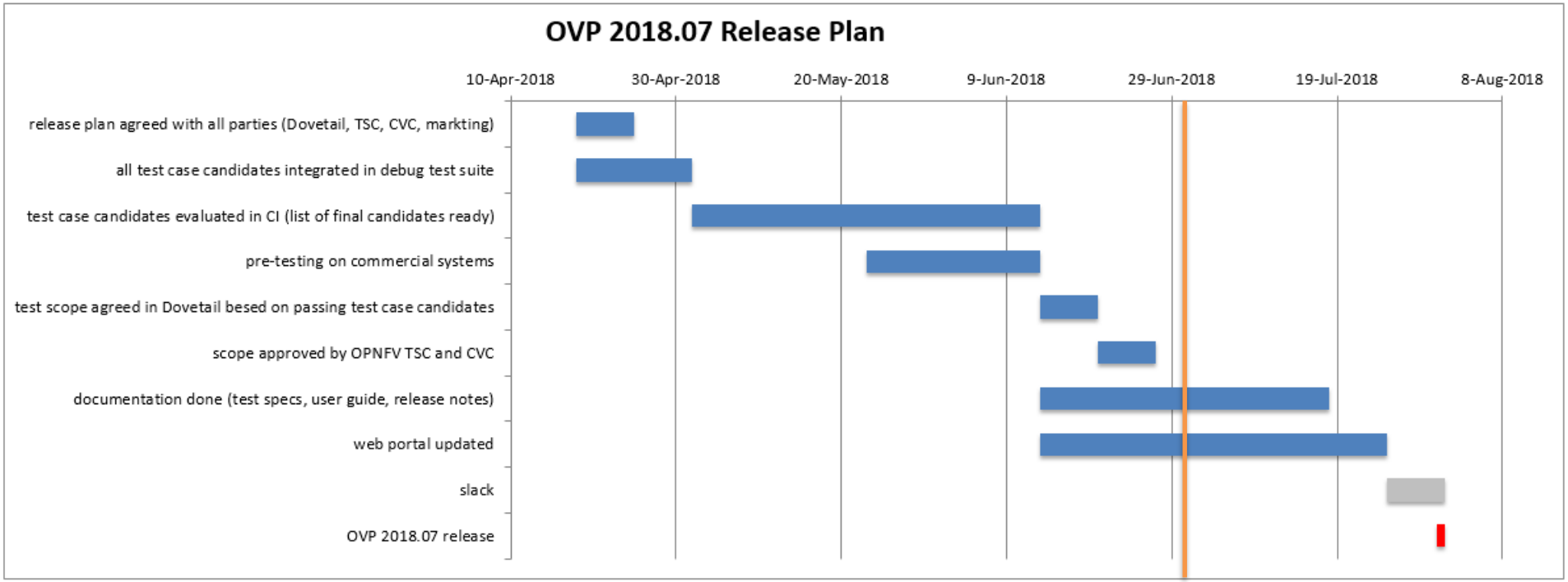
man.

- Stress testing

normal font: carried over from OVP 2018.01
italic font: newly added test for OVP 2018.0x

Full list of newly added tests.

Release Plan



Risks for a delayed release

- Limited development resources
  - Web portal development
  - Documentation of new test cases
  - Limited CI resources
  - Summer vacation period

  ⇨ Leverage support from summer interns of UNH and Nokia