JOID Release Notes

Release draft (1098848)

OPNFV

August 18, 2016

Contents

RELEASE NOTE FOR THE BRAHMAPUTRA RELEASE OF OPNFV

1.1 Abstract

This document compiles the release notes for the Brahmaputra release of OPNFV when using JOID as a deployment tool.

1.2 Introduction

These notes provides release information for the use of joid as deployment tool for the Brahmaputra release of OPNFV.

The goal of the Brahmaputra release and this JOID based deployment process is to establish a lab ready platform accelerating further development of the OPNFV infrastructure.

Carefully follow the installation-instructions which guides a user to deploy OPNFV using JOID which is based on MAAS and Juju.

1.3 Summary

Brahmaputra release with the JOID deployment toolchain will establish an OPNFV target system on a Pharos compliant lab infrastructure.

The current definition of an OPNFV target system is and OpenStack Liberty combined with OpenDaylight Beryllium.

The system is deployed with OpenStack High Availability (HA) for most OpenStack services.

Ceph storage is used as Cinder backend, and is the only supported storage for Brahmaputra. Ceph is setup as 2 OSDs and 2 Monitors, one OSD+Mon per Compute node.

User has following choices to make to do the deployment.

- Openstack – Liberty
- Type – HA, nonHA, tip (stable git branch of respective openstack)
- SDN controller – OpenDaylight, nosdn(Openvswitch), Onos, OpenContrail
- Feature – IPV6, DVR(distributed virtual routing), SFC(service function chaining odl only), BG-PVPN(odl only)
- Documentation is built by Jenkins
- Jenkins deploys a Brahmaputra release with the JOID deployment toolchain baremetal, which includes 3 control+network nodes, and 2 compute nodes.

NOTE: Detailed information on how to install in your lab can be find in installation guide

1.4 Release Data

Project	JOID
Repo/tag	gerrit.opnfv.org/gerrit/joid.git stable/brahmaputra
Release designation	Brahmaputra release
Release date	February 25 2016
Purpose of the delivery	Brahmaputra release

1.4.1 Deliverables

Software deliverables

JOID based installer script files

Documentation deliverables

- Installation instructions
- Release notes (This document)
- User guide

1.4.2 Version change

Module version change

Brahmaputra release with the JOID deployment toolchain. - OpenStack (Liberty release) - OpenDaylight (Beryllium release) - Ubuntu 14.04 LTS

Document version change

- OPNFV Installation instructions for the Brahmaputra release using JOID deployment toolchain - ver. 1.0.0
- OPNFV Release Notes with the JOID deployment toolchain - ver. 1.0.0 (this document)

1.4.3 Reason for new version

Feature additions

JIRA REFERENCE	SLOGAN
JIRA: JOID-1	use Juju and Ubuntu to deploy OPNFV
JIRA: JOID-23	explain how to deploy OPNFV R2 using JOID

Bug corrections

JIRA TICKETS:

JIRA REFERENCE	SLOGAN
JIRA:	

1.5 Known Limitations, Issues and Workarounds

1.5.1 System Limitations

Min jumphost requirements: At least 16GB of RAM, 4 core cpu and 250 gb disk should support virtualization.

1.5.2 Known issues

JIRA TICKETS:

JIRA REFERENCE	SLOGAN
JIRA: JOID-19	juju(OPNFV) project integration with ONOSFW
JIRA:	

1.5.3 Workarounds

See JIRA: <link>

1.6 Test Result

Brahmaputra test result using JOID as deployment tool. <link>

1.7 References

For more information on the OPNFV Brahmaputra release, please visit - OPNFV Brahmaputra release

1.7.1 Juju

- Juju Charm store
- Juju documents

1.7.2 MAAS

- Bare metal management (Metal-As-A-Service)
- MAAS API documents

1.7.3 JOID

- OPNFV JOID wiki
- OPNFV JOID User Guide
- OPNFV JOID Install Guide

1.7.4 OpenStack

- OpenStack Liberty Release artifacts
- OpenStack documentation

1.7.5 OpenDaylight

- OpenDaylight artifacts