OPNFV Release Note for the Arno release of OPNFV when using Foreman as a deployment tool

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Abstract
This document provides the release notes for Arno release with the Foreman/QuickStack deployment toolchain.

License
All Foreman/QuickStack and "common" entities are protected by the Apache License (http://www.apache.org/licenses/)

Version history

<table>
<thead>
<tr>
<th>Date</th>
<th>Ver.</th>
<th>Author</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-04-16</td>
<td>0.1.0</td>
<td>Tim Rozet</td>
<td>First draft</td>
</tr>
</tbody>
</table>
Important notes

This is the initial OPNFV Arno release that implements the deploy stage of the OPNFV CI pipeline. Carefully follow the installation-instructions which guide a user on how to deploy OPNFV using Foreman/QuickStack installer.

Summary

Arno release with the Foreman/QuickStack 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 Juno version combined with OpenDaylight version: Helium. The system is deployed with OpenStack High Availability (HA) for most OpenStack services. OpenDaylight is deployed in non-HA form as HA is not available for Arno release. Ceph storage is used as Cinder backend, and is the only supported storage for Arno. Ceph is setup as 3 OSDs and 3 Monitors, one OSD+Mon per Controller node.

- Documentation is built by Jenkins
- .iso image is built by Jenkins
- Jenkins deploys an Arno release with the Foreman/QuickStack deployment toolchain baremetal, which includes 3 control+network nodes, and 2 compute nodes.

Release Data

<table>
<thead>
<tr>
<th>Project</th>
<th>genesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repo/tag</td>
<td>genesis/arno.2015.1.0</td>
</tr>
<tr>
<td>Release designation</td>
<td>arno.2015.1.0</td>
</tr>
<tr>
<td>Release date</td>
<td>2015-06-04</td>
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<tr>
<td>Purpose of the delivery</td>
<td>OPNFV Arno release</td>
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Version change

*Module version changes*

This is the first tracked version of the Arno release with the Foreman/QuickStack deployment toolchain. It is based on following upstream versions:

- OpenStack (Juno release)
- OpenDaylight Helium-SR3
- CentOS 7

*Document version changes*

This is the first tracked version of Arno release with the Foreman/QuickStack deployment toolchain. The following documentation is provided with this release:

- OPNFV Installation instructions for the Arno release with the Foreman/QuickStack deployment toolchain - ver. 1.0.0
- OPNFV Release Notes for the Arno release with the Foreman/QuickStack deployment toolchain - ver. 1.0.0 (this document)
Feature additions

<table>
<thead>
<tr>
<th>JIRA REFERENCE</th>
<th>SLOGAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>JIRA: BGS-4</td>
<td>OPNFV base system install using Foreman/Quickstack.</td>
</tr>
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</table>

Bug corrections

JIRA TICKETS:

<table>
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<tr>
<th>JIRA REFERENCE</th>
<th>SLOGAN</th>
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</thead>
</table>

Deliverables

Software deliverables

Foreman/QuickStack@OPNFV .iso file deploy.sh - Automatically deploys Target OPNFV System to Bare Metal

Documentation deliverables

- OPNFV Installation instructions for the Arno release with the Foreman/QuickStack deployment toolchain - ver. 1.0.0
- OPNFV Release Notes for the Arno release with the Foreman/QuickStack deployment toolchain - ver. 1.0.0 (this document)

Known Limitations, Issues and Workarounds

System Limitations

Max number of blades: 1 Foreman/QuickStack master, 3 Controllers, 20 Compute blades
Min number of blades: 1 Foreman/QuickStack master, 1 Controller, 1 Compute blade
Storage: Ceph is the only supported storage configuration.
Min master requirements: At least 2048 MB of RAM

Known issues

JIRA TICKETS:

<table>
<thead>
<tr>
<th>JIRA REFERENCE</th>
<th>SLOGAN</th>
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<tbody>
<tr>
<td>JIRA: BGS-13</td>
<td>bridge br-ex is not auto configured by puppet</td>
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</table>

Workarounds

-

Test Result

The Arno release with the Foreman/QuickStack deployment toolchain has undergone QA test runs with the following results:
<table>
<thead>
<tr>
<th>TEST-SUITE</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
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</tbody>
</table>

References
For more information on the OPNFV Arno release, please see:
http://wiki.opnfv.org/release/arno

Authors: Tim Rozet (trozet@redhat.com)
Version: 0.2

Documentation tracking
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