



## **6. Configure RHV-M Infrastructure: NetApp HCI with RHV**

### **NetApp Solutions**

Kevin Hoke, Dorian Henderson  
April 06, 2021

# Table of Contents

6. Configure RHV-M Infrastructure: NetApp HCI with RHV ..... 1

## 6. Configure RHV-M Infrastructure: NetApp HCI with RHV

To configure the RHV-M infrastructure, complete the following steps:

1. By default, the ovirtmgmt network is used for all purposes, including the migration of VMs and virtual guest data.
2. It is a best practice to specify different networks for these purposes. To configure the migration network, navigate to Network > Networks and click New. Enter the name of your choice, enable VLAN tagging, and enter the VLAN ID for the migration network.
3. Make sure that the VM Network checkbox is unchecked. Go to the Cluster sub-tab and make sure that Attach and Require are checked. Then click OK to create the network.

**New Logical Network**

**General**

Data Center: Default

Name: migration\_net

Description:

Comment:

**Network Parameters**

Network Label:

☒ Enable VLAN tagging: 3345

☐ VM network

MTU: ☒ Default (1500) ☐ Custom

Host Network QoS: [Unlimited]

OK Cancel

4. To assign the migration logical network to both the hosts, navigate to Compute > Hosts, click the hosts, and navigate to the Network Interfaces sub-tab.
5. Then click Setup Host Networks and drag and drop the migration logical network into the Assigned Logical Networks column to the right of bond0.

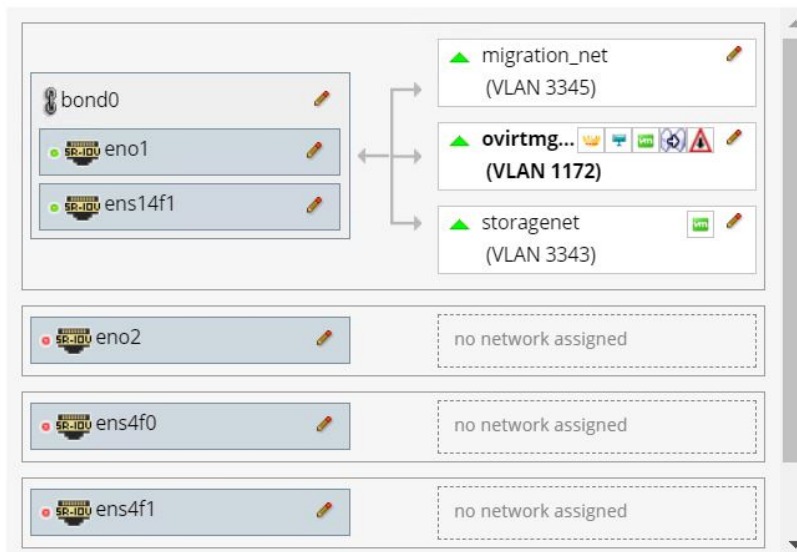
Drag to make changes

Interfaces

Assigned Logical Networks

Networks

Labels



Unassigned Logical Networks

Required

Non Required

External Logical Networks ⓘ

☒ Verify connectivity between Host and Engine ⓘ☒ Save network configuration ⓘ

OK

Cancel

- Click the pen symbol on the migration network interface under bond0. Configure the IP address details and click OK. Then click OK again in the Setup Host Networks pane.

Edit Network migration\_net

IPv4

IPv6

QoS

Custom Properties

DNS Configuration

☐ Sync network

Boot Protocol

☐ None
☐ DHCP
☒ Static

IP

172.21.89.10

Netmask / Routing Prefix



24

Gateway

OK

Cancel

- Repeat steps 4 through 6 for the other host as well.
- The newly created network must be assigned the role of the migration network. Navigate to Compute > Clusters and click the cluster that the RHV hosts belong to, click the Logical Networks sub-tab, and click Manage Networks. For the migration network, enable the checkbox under Migration Network column. Click OK.

Name	<input checked="" type="checkbox"/> Assign All	<input checked="" type="checkbox"/> Require All	VM Network	Management	Display Network	Migration Network
ovirtmgmt	<input checked="" type="checkbox"/> Assign	<input checked="" type="checkbox"/> Require		<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
migration_net	<input checked="" type="checkbox"/> Assign	<input checked="" type="checkbox"/> Require		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
storagenet	<input checked="" type="checkbox"/> Assign	<input checked="" type="checkbox"/> Require		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- Next, as a best practice, create a separate VM network rather than using the ovirtmgmt network for VMs.
- Navigate to Network > Networks and click New. Enter the name of your choice, enable VLAN tagging, and enter the VLAN ID for the VM guest network. Make sure that the checkbox VM Network is checked. Go to the Cluster's sub-tab and make sure that Attach and Require are checked. Then click OK to create the VM guest network.

New Logical Network

General

Cluster

vNIC Profiles

Data Center

Default

Name

vGuest

Description

Comment

Network Parameters

Network Label

☒ Enable VLAN tagging

3346

☒ VM network

MTU

☒ Default (1500)

☐ Custom

Host Network QoS

[Unlimited]

OK

Cancel

11. Assign the VM guest logical network to both the hosts. Navigate to Compute > Hosts, click the host names and navigate to the Network Interfaces sub-tab. Then click Setup Host Networks and drag and drop the VM guest logical network into the Assigned Logical Networks column to the right of bond0. There is no need to assign an IP to this logical network, because it provides passthrough networking for the VMs.

The VM guest network should be able to reach the internet to allow guests to register with Red Hat Subscription Manager.

Next: [7. Deploy the NetApp mNode](#)

## Copyright Information

Copyright © 2021 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system-without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

## Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.