



What happens when you enable Cloud Volumes on NetApp HCI?

HCI

Ann-Marie Grissino
December 04, 2019

This PDF was generated from https://docs.netapp.com/us-en/hci/docs/concept_behind_the_scenes_fo.html on April 24, 2020. Always check docs.netapp.com for the latest.

Table of Contents

What happens when you enable Cloud Volumes on NetApp HCI? 1

What happens when you enable Cloud Volumes on NetApp HCI?

When you enable Cloud Volumes on NetApp HCI using Hybrid Cloud Control, several events occur in NetApp Fabric Orchestrator, the interface you use to create and manage cloud volumes.

- NetApp HCI initiates an API call that creates a new organization (workspace) in Fabric Orchestrator. The organization is the same organization used in NetApp Kubernetes Service.

Cloud Volumes is a Kubernetes application that runs in the NetApp Kubernetes Service service cluster.

- The Cloud Central account used during installation in NetApp Hybrid Cloud Control becomes the owner assigned to the Fabric Orchestrator organization.
- The region in NetApp Kubernetes Service becomes the same region in the Fabric Orchestrator organization.
- Within the datacenter in vCenter, a new folder called "NetApp-HCI-CloudVolumeFoundation" is created. This folder contains the cluster and deployment VMs.
- Cloud Volumes installs the port groups required in vCenter. The following three networks are created:
 - NetApp-HCI-CVF-Cluster
 - NetApp-HCI-CVF-Mgmt
 - NetApp-HCI-CVF-Storage
- Cloud Volumes creates the following datastores, which should not be modified:
 - NetApp-HCI-CVF-Deploy-DS
 - NetApp-HCI-CVF-Cluster-DS-01
 - NetApp-HCI-CVF-Cluster-DS-02

Find more information

- [NetApp Cloud Central](#)
- [NetApp Cloud Documentation](#)

Copyright Information

Copyright © 2019–2020 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.