



# vSphere upgrade sequences with vCenter Plug-in

HCI

NetApp  
July 08, 2020

This PDF was generated from [https://docs.netapp.com/us-en/hci/docs/task\\_hci\\_upgrade\\_all\\_vsphere.html](https://docs.netapp.com/us-en/hci/docs/task_hci_upgrade_all_vsphere.html) on July 08, 2020. Always check docs.netapp.com for the latest.

# Table of Contents

- vSphere upgrade sequences with vCenter Plug-in ..... 1
  - Upgrade your vSphere components for a NetApp HCI system with the Element Plug-in for vCenter Server ..... 1
  - Upgrade your vSphere components for a NetApp SolidFire storage system with the Element Plug-in for vCenter Server ..... 1

# vSphere upgrade sequences with vCenter Plug-in

## Upgrade your vSphere components for a NetApp HCI system with the Element Plug-in for vCenter Server

When you upgrade the VMware vSphere components of your NetApp HCI installation, there are some additional steps you will need to take for the Element Plug-in for vCenter Server.

### Steps

1. For vCSA upgrades, [clear](#) mNode settings in the plug-in (**NetApp Element Configuration** > **mNode Settings**). The **mNode Status** field displays **Not Configured** after the process is complete.
2. For vCSA and Windows upgrades, [unregister](#) the plug-in from the vCenter Server with which it is associated using the registration utility.
3. [Upgrade vSphere, including vCenter Server, ESXi, VMs, and other VMware components.](#)



When upgrading ESXi for compute nodes for a [two-node cluster](#), upgrade only one compute node at a time so that only one witness node is temporarily unavailable and cluster quorum can be maintained.

4. [Register](#) the Element Plug-in for vCenter Server again with vCenter.
5. [Add clusters](#) using the plug-in.
6. [Configure QoSSIOC settings](#) using the plug-in.
7. [Enable QoSSIOC](#) for all datastores controlled by the plug-in.

### Find more information

- [NetApp HCI Documentation Center](#)
- [NetApp HCI Resources Page](#)
- [NetApp HCI Two-Node Storage Cluster Technical Report](#)

## Upgrade your vSphere components for a NetApp SolidFire storage system with the Element Plug-in for vCenter Server

When you upgrade the VMware vSphere components of your SolidFire Element

storage installation, there are some additional steps you will need to take for systems with Element Plug-in for vCenter Server.

#### *Steps*

1. For vCSA upgrades, [clear](#) mNode settings in the plug-in (**NetApp Element Configuration > mNode Settings**). The **mNode Status** field displays **Not Configured** after the process is complete.
2. For vCSA and Windows upgrades, [unregister](#) the plug-in from the vCenter Server with which it is associated using the registration utility.
3. [Upgrade vSphere, including vCenter Server, ESXi, VMs, and other VMware components.](#)
4. [Register](#) the Element Plug-in for vCenter Server again with vCenter.
5. [Add clusters](#) using the plug-in.
6. [Configure QoSSIOC settings](#) using the plug-in.
7. [Enable QoSSIOC](#) for all datastores controlled by the plug-in.

#### **Find more information**

- [NetApp HCI Documentation Center](#)
- [NetApp HCI Resources Page](#)

## Copyright Information

Copyright © 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.