



Upgrading to VMFS6 using Storage vMotion

ONTAP Select

NetApp
November 21, 2019

This PDF was generated from https://docs.netapp.com/us-en/ontap-select/task_adm_upgrade_vmfs6.html on December 11, 2020. Always check docs.netapp.com for the latest.

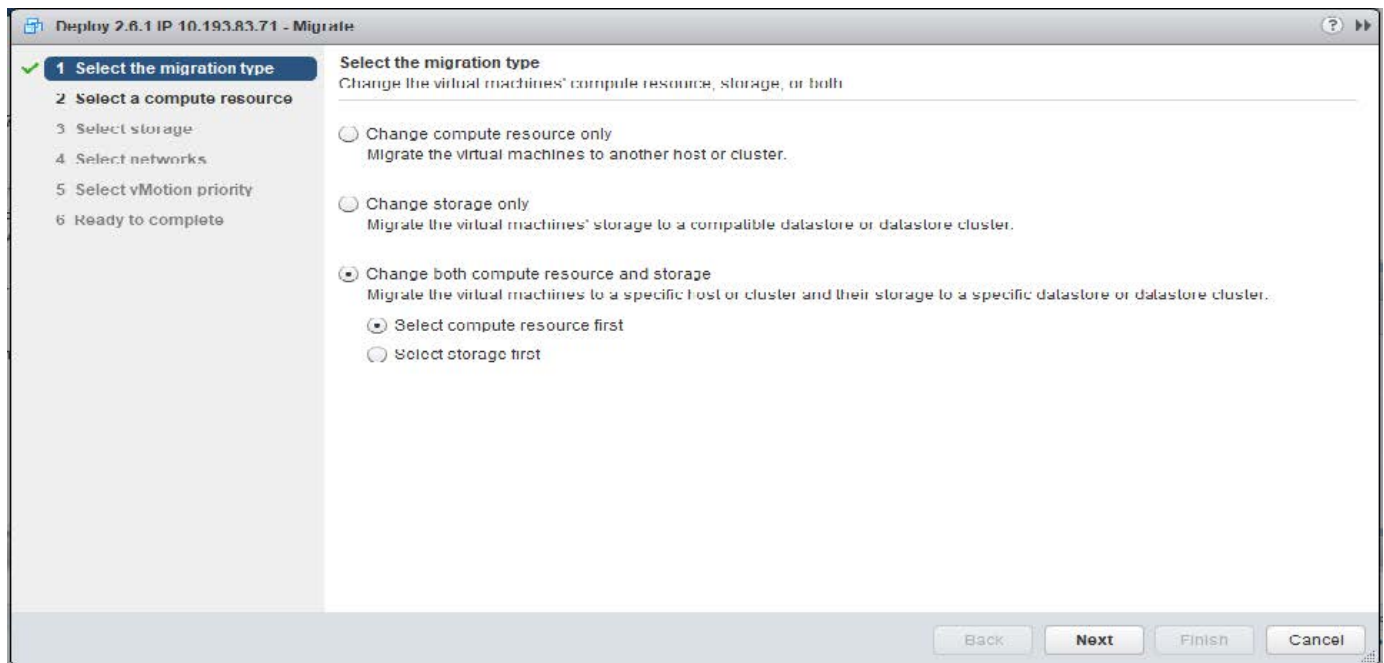
Table of Contents

Upgrading to VMFS6 using Storage vMotion 1

Upgrading to VMFS6 using Storage vMotion

VMware does not support an in-place upgrade from VMFS 5 to VMFS 6. You can use Storage vMotion to transition from a VMFS 5 datastore to a VMFS 6 datastore for an existing ONTAP Select node.

For ONTAP Select virtual machines, Storage vMotion can be used for single-node and multi-node clusters. It can be used for both storage-only as well as compute and storage migrations.



Before you begin

Make sure the new host can support the ONTAP Select node. For example, if a RAID controller and DAS storage are used on the original host, a similar configuration should exist on the new host.



Severe performance issues can result if the ONTAP Select VM is rehosted in an unsuitable environment.

Steps

1. Shut down the ONTAP Select virtual machine.

If the node is part of an HA pair, perform a storage failover first.

2. Clear the **CD/DVD drive** option.

This step does not apply if you installed ONTAP Select without using ONTAP Deploy.

admin-1 - Edit Settings

Virtual Hardware | VM Options | SDRS Rules | vApp Options

CPU	4	
Memory	16384	MB
Hard disk 1	9.9091796875	GB
Hard disk 2	120	GB
Other disks	Manage other disks	
SCSI controller 0	LSI Logic SAS	
SCSI controller 1	LSI Logic SAS	
SCSI controller 2	LSI Logic SAS	
SCSI controller 3	LSI Logic SAS	
Network adapter 1	OS-mgmt-vlan-653 (DS1)	<input checked="" type="checkbox"/> Connected
Network adapter 2	OS-mgmt-vlan-653 (DS1)	<input checked="" type="checkbox"/> Connected
Network adapter 3	OS-mgmt-vlan-653 (DS1)	<input checked="" type="checkbox"/> Connected
CD/DVD drive 1	Datastore ISO File	<input type="checkbox"/> Connected
Floppy drive 1	Client Device	<input type="checkbox"/> Connected
Video card	Specify custom settings	
VMCI device		
Other Devices		

New device: ----- Select ----- Add

Compatibility: ESXi 5.5 and later (VM version 10)

OK Cancel

3. After the Storage vMotion operation completes, power on the ONTAP Select virtual machine.

If this node is part of an HA pair, you can perform a manual giveback.

4. Perform a **cluster refresh** operation using the Deploy utility and confirm it is successful.

5. Back up the Deploy utility database.

After you finish

When the Storage vMotion operation completes, you should use the Deploy utility to perform a **cluster refresh** operation. The **cluster refresh** updates the ONTAP Deploy database with the new location of the ONTAP Select node.

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.