



NetApp configuration

FlexPod

NetApp
June 03, 2021

Table of Contents

NetApp configuration 1
 ONTAP configuration 1

NetApp configuration

NetApp storage that is deployed for MEDITECH software environments uses storage controllers in a high-availability-pair configuration. Storage must be presented from both controllers to MEDITECH database servers over the FC Protocol. The configuration presents storage from both controllers to evenly balance the application load during normal operation.

ONTAP configuration

This section describes a sample deployment and provisioning procedures that use the relevant ONTAP commands. The emphasis is to show how storage is provisioned to implement the storage layout that NetApp recommends, which uses a high-availability controller pair. One of the major advantages with ONTAP is the ability to scale out without disturbing the existing high-availability pairs.

ONTAP licenses

After you have set up the storage controllers, apply licenses to enable the ONTAP features that NetApp recommends. The licenses for MEDITECH workloads are FC, CIFS, and NetApp Snapshot, SnapRestore, FlexClone, and SnapMirror technologies.

To configure licenses, open NetApp ONTAP System Manager, go to Configuration-Licenses, and then add the appropriate licenses.

Alternatively, run the following command to add licenses by using the CLI:

```
license add -license-code <code>
```

AutoSupport configuration

The NetApp AutoSupport tool sends summary support information to NetApp through HTTPS. To configure AutoSupport, run the following ONTAP commands:

```
autosupport modify -node * -state enable
autosupport modify -node * -mail-hosts <mailhost.customer.com>
autosupport modify -node prod1-01 -from prod1-01@customer.com
autosupport modify -node prod1-02 -from prod1-02@customer.com
autosupport modify -node * -to storageadmins@customer.com
autosupport modify -node * -support enable
autosupport modify -node * -transport https
autosupport modify -node * -hostnamesubj true
```

Hardware-assisted takeover configuration

On each node, enable hardware-assisted takeover to minimize the time that it takes to initiate a takeover in the unlikely event of a controller failure. To configure hardware-assisted takeover, complete the following steps:

1. Run the following ONTAP command to xxx.

Set the partner address option to the IP address of the management port for `prod1-01`.

```
MEDITECH::> storage failover modify -node prod1-01 -hwassist-partner-ip  
<prod1-02-mgmt-ip>
```

2. Run the following ONTAP command to xxx:

Set the partner address option to the IP address of the management port for `cluster1-02`.

```
MEDITECH::> storage failover modify -node prod1-02 -hwassist-partner-ip  
<prod1-01-mgmt-ip>
```

3. Run the following ONTAP command to enable hardware-assisted takeover on both the `prod1-01` and the `prod1-02` HA controller pair.

```
MEDITECH::> storage failover modify -node prod1-01 -hwassist true  
MEDITECH::> storage failover modify -node prod1-02 -hwassist true
```

[Next: Aggregate Configuration.](#)

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.