



# **Manage SnapMirror for Business Continuity using System Manager**

**ONTAP 9**

NetApp  
April 27, 2023

# Table of Contents

- Manage SnapMirror for Business Continuity using System Manager ..... 1
  - Configure Mediator..... 1
  - Configure protection for business continuity ..... 1
  - Reestablish the original protection relationship after an unplanned failover ..... 2

# Manage SnapMirror for Business Continuity using System Manager

## Configure Mediator

Use System Manager to configure the Mediator server to be used for automated failover. You can also replace the self-signed SSL and CA with the third party validated SSL Certificate and CA if you have not already done so.

### Steps

1. Navigate to **Protection > Overview > Mediator > Configure**.
2. Click **Add**, and enter the following Mediator server information:
  - IPv4 address
  - Username
  - Password
  - Certificate

## Configure protection for business continuity

Configuring protection for business continuity involves selecting LUNs on the ONTAP source cluster and adding them to a consistency group. Open System Manager from a browser on the source cluster to begin configuring protection for business continuity.

This workflow is designed for ONTAP 9.8 and 9.9. Beginning with ONTAP 9.10.1, it is recommended that you begin by creating a consistency group and then use SM-BC as a remote protection.

### About this task

- LUNs must reside on the same storage VM.
- LUNs can reside on different volumes.
- The source and destination cluster cannot be the same.
- The default IPspace is required by SM-BC for cluster peer relationships. Custom IPspace is not supported.

### Steps

1. Choose the LUNs you want to protect and add them to a protection group: **Protection > Overview > Protect for Business Continuity > Protect LUNs**.
2. Select one or more LUNs to protect on the source cluster.
3. Select the destination cluster and SVM.
4. **Initialize relationship** is selected by default. Click **Save** to begin protection.
5. Go to **Dashboard > Performance** to verify IOPS activity for the LUNs.
6. On the destination cluster, use System Manager to verify that the protection for business continuity relationship is in sync: **Protection > Relationships**.

# Reestablish the original protection relationship after an unplanned failover

ONTAP uses the ONTAP Mediator to detect when a failure occurs on the primary storage system and executes automatic unplanned failover to the secondary storage system. You can use System Manager to reverse the relationship and reestablish the original protection relationship when original source cluster is back online.

## Steps

1. Navigate to **Protection > Relationships** and wait for the relationship state to show "InSync."
2. To resume operations on the original source cluster, click  and select **Failover**.

## Copyright information

Copyright © 2023 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.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

## 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.