



Considerations for performing data protection

SnapManager for SAP

NetApp
February 20, 2023

Table of Contents

Considerations for performing data protection 1
Licences required for data protection in SnapManager 1

Considerations for performing data protection

You must be aware of certain considerations for performing data protection.

- To perform clone or restore operations from secondary systems, you must mount the destination volume in the namespace and export it properly.
- You must disable the SnapDrive configuration parameter `check-export-permission-nfs-clone` by setting the value to **off**.

The SnapDrive for UNIX documentation on the NetApp Support Site contains additional information about the `check-export-permission-nfs-clone` parameter.

- You must configure the SnapMirror relationship for the requested secondary storage volumes in the secondary storage system.
- You must configure the SnapVault relationship for the requested secondary storage qtrees in the secondary storage system for Data ONTAP operating in 7-Mode.
- You must define a policy and rules for the user-defined SnapMirror label if you are using SnapVault post-script for clustered Data ONTAP.

SnapVault post-script supports clustered Data ONTAP volumes and the SnapMirror relation types DP and XDP. The ONTAP documentation on the NetApp Support Site contains information about configuring SnapMirror and SnapVault.

[Documentation on the NetApp Support Site](#)

Licences required for data protection in SnapManager

You must ensure that licenses required for data protection are installed and enabled on the primary and secondary storage systems.

Primary storage systems receive the latest transaction updates for the Oracle database, store the data, and provide local backup protection of the database. The primary storage system also maintains database data files, log files, and control files. Secondary storage systems act as remote storage for the protected backups.

For data protection, the following licenses must be installed and enabled on primary storage systems:



If you want to enable data protection on the secondary storage systems, you must also install and enable these licenses on the secondary storage systems.

- Either Data ONTAP operating in 7-Mode (7.3.1 or later) or clustered Data ONTAP (8.2 or later)
- SnapVault
- SnapRestore
- SnapMirror
- FlexClone is required for cloning.

FlexClone is also, required for Storage Area Network (SAN) only if SnapDrive is configured to use FlexClone in SAN environments.

- The appropriate protocol, for example, Internet Small Computer System Interface (iSCSI), or Fibre Channel (FC)

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.