



snapMirrorRelationship

Element Software

Michael Wallis
April 19, 2021

Table of Contents

- snapMirrorRelationship 1
- Object members 1

snapMirrorRelationship

The snapMirrorRelationship object contains information about a SnapMirror relationship between a Element volume and an ONTAP volume.

Object members

This object contains the following members:

Name	Description	Type
snapMirrorEndpointID	The ID of the destination ONTAP system.	integer
snapMirrorRelationshipID	The unique identifier for each snapMirrorRelationship object in an array as would be returned in ListSnapMirrorRelationships. This UUID is created and returned from the ONTAP system.	string
sourceVolume	An object describing the source volume.	snapMirrorVolumeInfo
destinationVolume	An object describing the destination volume.	snapMirrorVolumeInfo
currentMaxTransferRate	The current maximum transfer rate between the source and destination volumes, in kilobytes per second.	integer
isHealthy	Whether the relationship is healthy or not. Possible values: <ul style="list-style-type: none">• true: The relationship is healthy.• false: The relationship is not healthy. This can be caused by a manual or scheduled update failing or being aborted, or by the last scheduled update being delayed.	boolean
lagtime	The amount of time in seconds by which the data on the destination volume lags behind the data on the source volume.	integer

Name	Description	Type
lastTransferDuration	The amount of time in seconds it took for the last transfer to complete.	integer
lastTransferError	A message describing the cause of the last transfer failure.	string
lastTransferSize	The total number of bytes transferred during the last transfer.	integer
lastTransferEndTimestamp	The timestamp of the end of the last transfer.	ISO 8601 date string
lastTransferType	The type of the previous transfer in the relationship.	string
maxTransferRate	Specifies the maximum data transfer rate between the volumes in kilobytes per second. The default value, 0, is unlimited and permits the SnapMirror relationship to fully utilize the available network bandwidth.	integer
mirrorState	<p>The mirror state of the SnapMirror relationship. Possible values:</p> <ul style="list-style-type: none"> • uninitialized: The destination volume has not been initialized. • snapmirrored: The destination volume has been initialized and is ready to receive SnapMirror updates. • broken-off: The destination volume is read-write and snapshots are present. 	string
newestSnapshot	The name of the newest Snapshot copy on the destination volume.	string
policyName	Specifies the name of the ONTAP SnapMirror policy for the relationship. A list of available policies can be retrieved with ListSnapMirrorPolicies. Example values are "MirrorLatest" and "MirrorAndVault".	string

Name	Description	Type
policyType	The type of the ONTAP SnapMirror policy for the relationship. See ListSnapMirrorPolicies. Examples are: "async_mirror" or "mirror_vault".	string
relationshipProgress	The total number of bytes that have been processed so far for the current activity of the relationship as returned in the relationship-status. This is set only when the "relationshipStatus" member indicates that an activity is in progress.	integer
relationshipStatus	<p>The status of the SnapMirror relationship. Possible values:</p> <ul style="list-style-type: none"> • idle • transferring • checking • quiescing • quiesced • queued • preparing • finalizing • aborting • breaking 	string
relationshipType	The type of the SnapMirror relationship. On storage clusters running Element software, this value is always "extended_data_protection".	string
scheduleName	The name of the pre-existing cron schedule on the ONTAP system that is used to update the SnapMirror relationship. A list of available schedules can be retrieved with ListSnapMirrorSchedules.	string
unhealthyReason	The reason the relationship is not healthy.	string

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.