



lun bind commands

ONTAP 9.7 commands

NetApp
December 14, 2022

Table of Contents

- lun bind commands 1
- lun bind create 1
- lun bind destroy 1
- lun bind show 2

lun bind commands

lun bind create

Bind a VVol LUN to a protocol endpoint

Availability: This command is available to *cluster* and *Vserver* administrators at the *advanced* privilege level.

Description

This command creates a new binding between a protocol endpoint and a vvol LUN. If a binding between the specified endpoint and vvol already exists, the reference count for the binding is incremented by one.



For optimal results, the protocol endpoint and vvol must be hosted by the same node in the cluster.

Parameters

-vserver <Vserver Name> - Vserver name

Specifies the name of the Vserver.

-protocol-endpoint-path <path> - Protocol Endpoint

Specifies the path to the protocol endpoint. The specified LUN must already exist and be of class "protocol-endpoint". Examples of correct LUN paths are */vol/vol1/lun1* and */vol/vol1/qtree1/lun1*.

-vvol-path <path> - VVol Path

Specifies the path to the vvol. The specified LUN must already exist and be of the class "vvol". Examples of correct LUN paths are */vol/vol1/lun1* and */vol/vol1/qtree1/lun1*.

Examples

```
cluster1::*> lun bind create -vserver vs1 -protocol-endpoint-path  
/vol/VV1/PE1 -vvol-path /vol/VV3/234ace
```

Bind the vvol */vol/VV3/234ace* to the protocol endpoint */vol/VV1/PE1* in Vserver *vs1*.

lun bind destroy

Unbind a VVol LUN from a protocol endpoint

Availability: This command is available to *cluster* and *Vserver* administrators at the *advanced* privilege level.

Description

Decrement the reference count of the binding between a protocol endpoint and vvol LUN. If the resulting reference count is zero, the binding is removed.

Parameters

-vserver <Vserver Name> - Vserver name

Specifies the Vserver.

-protocol-endpoint-path <path> - Protocol Endpoint

Specifies the path of the protocol endpoint LUN. Examples of correct LUN paths are `/vol/vol1/lun1` and `/vol/vol1/qtree1/lun1`.

-vvol-path <path> - VVol Path

Specifies the path of the vvol LUN. Examples of correct LUN paths are `/vol/vol1/lun1` and `/vol/vol1/qtree1/lun1`.

[-force <true>] - If true, unbind the Vvol completely even if the current reference count is greater than 1. The default is false.

Completely remove the specified binding, regardless of the current reference count.

Examples

```
cluster1::*> lun bind destroy -protocol-endpoint-path /vol/VV2/PE2 -vvol
-path /vol/VV2/30dfab -vserver vs1
```

Remove the binding between the vvol `/vol/VV2/30dfab` and the protocol endpoint `/vol/VV2/PE2` on Vserver `vs1`.

lun bind show

Show list of Vvol bindings

Availability: This command is available to *cluster* and *Vserver* administrators at the *advanced* privilege level.

Description

Shows the configured VVol to protocol endpoint bindings.

Parameters

{ [-fields <fieldname>,...]

If you specify the `-fields <fieldname>`, ... parameter, the command output also includes the specified field or fields. You can use `'-fields ?'` to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-vserver <Vserver Name>] - Vserver Name

Selects the bindings that match this parameter value.

[-protocol-endpoint-msid <integer>] - PE MSID

Selects the bindings that match this parameter value.

[-protocol-endpoint-vdisk-id <text>] - PE Vdisk ID

Selects the bindings that match this parameter value.

[-vvol-msid <integer>] - VVol MSID

Selects the bindings that match this parameter value.

[-vvol-vdisk-id <text>] - VVol Vdisk ID

Selects the bindings that match this parameter value.

[-vserver-uuid <UUID>] - Vserver UUID

Selects the bindings that match this parameter value.

[-protocol-endpoint-path <path>] - Protocol Endpoint

Selects the bindings that match this parameter value. Examples of correct LUN paths are */vol/vol1/lun1* and */vol/vol1/qtrees1/lun1*.

[-protocol-endpoint-node <nodename>] - PE Node

Selects the bindings that match this parameter value.

[-vvol-path <path>] - VVol

Selects the bindings that match this parameter value. Examples of correct LUN paths are */vol/vol1/lun1* and */vol/vol1/qtrees1/lun1*.

[-vvol-node <nodename>] - VVol Node

Selects the bindings that match this parameter value.

[-secondary-lun <Hex 64bit Integer>] - Secondary LUN

Selects the bindings that match this parameter value.

[-is-optimal {true|false}] - Optimal binding

Selects the bindings that match this parameter value.

[-reference-count <integer>] - Reference Count

Selects the bindings that match this parameter value.

Examples

```

cluster1::*> lun bind show -vserver vs1
Vserver          Protocol Endpoint          Node
                  Vvol LUN                    Secondary LUN
Optimal?
-----
-----
vs1              /vol/VV1/PE1              cluster-node1
                  /vol/VV2/30dfab          d20000010000 false
                  /vol/VV3/234ace          d20000020000 true
                  /vol/VV3/234acf          d20000030000 true
                  /vol/VV2/PE2              cluster-node2
                  /vol/VV2/30dfab          d20000010000 true
4 entries were displayed.

```

The example above displays all the LUN bindings on Vserver vs1.

Copyright information

Copyright © 2022 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.