



cluster ring commands

ONTAP 9.9.1 commands

NetApp
February 12, 2024

Table of Contents

cluster ring commands	1
cluster ring show	1

cluster ring commands

cluster ring show

Display cluster node member's replication rings

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

Description

The `cluster ring show` command displays a cluster's ring-replication status. Support personnel might ask you to run this command to assist with troubleshooting.

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.

[-node {<nodename>|local}] - Node (privilege: advanced)

Selects the rings that match this parameter value.

[-unitname {mgmt|vldb|vifmgr|bcomd|crs|availd}] - Unit Name (privilege: advanced)

Selects the rings that match this parameter value. Possible values are:

- `mgmt` - The management application
- `vldb` - The volume location database
- `vifmgr` - The virtual-interface manager
- `bcomd` - The SAN management daemon
- `crs` - The configuration replication service

[-online {master|secondary|offline}] - Status (privilege: advanced)

Selects the rings that match this parameter value.

[-epoch <integer>] - Epoch (privilege: advanced)

Selects the rings that match this parameter value.

[-master <nodename>] - Master Node (privilege: advanced)

Selects the rings that match this parameter value.

[-local <nodename>] - Local Node (privilege: advanced)

Selects the rings that match this parameter value.

[-db-epoch <integer>] - DB Epoch (privilege: advanced)

Selects the rings that match this parameter value.

[-db-trnxs <integer>] - DB Transaction (privilege: advanced)

Selects the rings that match this parameter value.

[-num-online <integer>] - Number Online (privilege: advanced)

Selects the rings that match this parameter value.

[-rdb-uuid <UUID>] - RDB UUID (privilege: advanced)

Selects the rings that match this parameter value.

Examples

The following example displays information about all replication rings in a two-node cluster:

```
cluster1::*> cluster ring show
```

Node	UnitName	Epoch	DB Epoch	DB Trnxs	Master	Online
node0	mgmt	1	1	1068	node0	master
node0	vldb	1	1	98	node0	master
node0	vifmgr	1	1	350	node0	master
node0	bcomd	1	1	56	node0	master
node0	crs	1	1	88	node0	master
node1	mgmt	1	1	1068	node0	secondary
node1	vldb	1	1	98	node0	secondary
node1	vifmgr	1	1	350	node0	secondary
node1	bcomd	1	1	56	node0	secondary
node1	crs	1	1	88	node0	secondary

10 entries were displayed.

Copyright information

Copyright © 2024 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.