



Manually assign ownership of partitioned disks

ONTAP 9

NetApp
May 13, 2022

Table of Contents

- Manually assign ownership of partitioned disks 1
 - Manually assign ownership of partitioned disks overview 1
 - Manually assign disks with root-data partitioning 1
 - Manually assign disks with root-data-data partitioning 2

Manually assign ownership of partitioned disks

Manually assign ownership of partitioned disks overview

You can set the ownership of the container disk or the partitions manually or by using auto-assignment—just as you do for unpartitioned disks.



If a container disk fails in a half-populated shelf and is replaced, ONTAP will not auto-assign ownership. In this case, any assignment of new disks will need to be done manually. To make auto-assign work on half-populated shelves, place disks equally on lower half and 6 on far right bays to begin with. That is, 6 disks from bays 0-5 and 6 disks from bays 18-23. After the container disk is assigned in an ADP-configured system, ONTAP's software will handle any partitioning and partition assignments that are required, without user intervention.

Manually assign disks with root-data partitioning

For root-data partitioning there are three owned entities (the container disk and the two partitions) collectively owned by the HA pair.

About this task

The container disk and the two partitions do not all need to be owned by the same node in the HA pair as long as they are all owned by one of the nodes in the HA pair. However, when you use a partition in an aggregate, it must be owned by the same node that owns the aggregate.

Steps

1. Display the current ownership for the partitioned disk:

```
storage disk show -disk disk_name -partition-ownership
```

2. Set the CLI privilege level to advanced:

```
set -privilege advanced
```

3. Enter the appropriate command, depending on which ownership entity you want to assign ownership for:

If you want to assign ownership for the...	Use this command...
Container disk	<pre>storage disk assign -disk <i>disk_name</i> -owner <i>owner_name</i></pre>
Data partition	<pre>storage disk assign -disk <i>disk_name</i> -owner <i>owner_name</i> -data true</pre>
Root partition	<pre>storage disk assign -disk <i>disk_name</i> -owner <i>owner_name</i> -root true</pre>

If any of the ownership entities are already owned, then you must include the `-force` option.

Manually assign disks with root-data-data partitioning

For root-data-data partitioning there are four owned entities (the container disk and the three partitions) collectively owned by the HA pair.

About this task

Root-data-data partitioning creates one small partition as the root partition and two larger, equally sized partitions for data.

Parameters must be used in the `disk assign` command to assign the proper partition of a root-data-data partitioned disk. You cannot use these parameters with disks that are part of a storage pool. The default value is false.

- The `[-data1 [true]]` parameter assigns the `data1` partition of a root-data1-data2 partitioned disk.
- The `[-data2 [true]]` parameter assigns the `data2` partition of a root-data1-data2 partitioned disk.

Steps

1. Display the current ownership for the partitioned disk:

```
storage disk show -disk disk_name -partition-ownership
```

2. Set the CLI privilege level to advanced:

```
set -privilege advanced
```

3. Enter the appropriate command, depending on which ownership entity you want to assign ownership for:

If you want to assign ownership for the...	Use this command...
Container disk	<code>storage disk assign -disk <i>disk_name</i> -owner <i>owner_name</i></code>
Data1 partition	<code>storage disk assign -disk <i>disk_name</i> -owner <i>owner_name</i>-data1 true</code>
Data2 partition	<code>storage disk assign -disk <i>disk_name</i> -owner <i>owner_name</i>-data2 true</code>
Root partition	<code>storage disk assign -disk <i>disk_name</i> -owner <i>owner_name</i> -root true</code>

If any of the ownership entities are already owned, then you must include the `-force` option.

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.

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.