



Add an asset to the management node

HCI

Dave Bagwell, Michael Wallis
December 14, 2020

Table of Contents

Add an asset to the management node 1

Add an asset to the management node

You can add compute and controller assets to the management node configuration using the REST API UI.

You might need to add an asset if you recently scaled your installation and new assets were not added automatically to your configuration. Use these APIs to add assets that are recent additions to your installation.

What you'll need

- Your cluster version is running NetApp Element software 11.3 or later.
- You have deployed a management node running version 11.3 or later.

About this task

(NetApp HCI only) If you do not see compute nodes in Hybrid Cloud Control (HCC) after scaling your NetApp HCI system, you can add a compute node using the `POST /assets/{asset_id}/compute-nodes` described in this procedure.

Steps

1. Get the base asset ID for the installation:
 - a. Open the inventory service REST API UI on the management node:

```
https://[management node IP]/inventory/1/
```

- b. Click **Authorize** and complete the following:
 - i. Enter the cluster user name and password.
 - ii. Enter the client ID as `mnode-client`.
 - iii. Click **Authorize** to begin a session.
 - iv. Close the window.
- c. From the REST API UI, click **GET /installations**.
- d. Click **Try it out**.
- e. Click **Execute**.
- f. From the code 200 response body, copy the `id` for the installation.

```
{
  "installations": [
    {
      "_links": {
        "collection":
"https://10.111.211.111/inventory/1/installations",
        "self":
"https://10.111.217.111/inventory/1/installations/abcd01e2-ab00-1xxx-91ee-12f111xxc7x0x"
      },
      "id": "abcd01e2-ab00-1xxx-91ee-12f111xxc7x0x",
    }
  ]
}
```



Your installation has a base asset configuration that was created during installation or upgrade.

- g. From the REST API UI, click **GET /installations/{id}**.
 - h. Click **Try it out**.
 - i. Paste the installation asset ID into the **id** field.
 - j. Click **Execute**.
 - k. From the response, copy and save the cluster controller ID ("**controllerId**") for use in a later step.
2. (For compute nodes only) Locate the hardware tag for your compute node in vSphere:
 - a. Select the host in the vSphere Web Client navigator.
 - b. Click the **Monitor** tab, and click **Hardware Health**.
 - c. The node BIOS manufacturer and model number are listed. Copy and save the value for **tag** for use in a later step.
 3. To add a compute node or controller sub-asset to an existing base asset, click one of the following.

Option	Description
POST /assets/{asset_id}/controllers	<ol style="list-style-type: none"> Open the mNode service REST API UI on the management node: <div data-bbox="760 258 1487 354" data-label="Text"> <pre>https://[management node IP]/mnode</pre> </div> <ol style="list-style-type: none"> Click Authorize and complete the following: <ol style="list-style-type: none"> Enter the cluster user name and password. Enter the client ID as <code>mnode-client</code>. Click Authorize to begin a session. Close the window. Click POST /assets/{asset_id}/controllers. Click Try it out. Enter the parent base asset ID in the asset_id field. Add the required values to the payload. Click Execute.
POST /assets/{asset_id}/compute-nodes	<ol style="list-style-type: none"> Open the mNode service REST API UI on the management node: <div data-bbox="760 1026 1487 1123" data-label="Text"> <pre>https://[management node IP]/mnode</pre> </div> <ol style="list-style-type: none"> Click Authorize and complete the following: <ol style="list-style-type: none"> Enter the cluster user name and password. Enter the client ID as <code>mnode-client</code>. Click Authorize to begin a session. Close the window. Click POST /assets/{asset_id}/compute-nodes. Click Try it out. Enter the parent base asset ID you copied in an earlier step in the asset_id field. In the payload, do the following: <ol style="list-style-type: none"> Enter the management IP for the node in the <code>ip</code> field. For <code>hardwareTag</code>, enter the hardware tag value you saved in an earlier step. Enter other values, as required. Click Execute.

Find more information

- [NetApp Element Plug-in for vCenter Server](#)
- [NetApp HCI Resources Page](#)

Copyright Information

Copyright © 2020 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.