



# Enable Active IQ and NetApp HCI monitoring

## HCI

Dave Bagwell, Michael Wallis  
August 13, 2020

This PDF was generated from [https://docs.netapp.com/us-en/hci/docs/task\\_mnode\\_enable\\_activeIQ.html](https://docs.netapp.com/us-en/hci/docs/task_mnode_enable_activeIQ.html) on September 18, 2020. Always check docs.netapp.com for the latest.

# Table of Contents

Enable Active IQ and NetApp HCI monitoring ..... 1

# Enable Active IQ and NetApp HCI monitoring

You can enable Active IQ storage monitoring (for SolidFire all-flash storage and NetApp HCI) and NetApp HCI compute monitoring (for NetApp HCI only) if you did not already do so during installation or upgrade. You might need to use this procedure if you disabled telemetry using the NetApp HCI Deployment Engine or did not set up SolidFire Active IQ during installation for a SolidFire all-flash storage system.

The Active IQ collector service forwards configuration data and Element software-based cluster performance metrics to NetApp Active IQ for historical reporting and near real-time performance monitoring. The NetApp HCI monitoring service enables forwarding of storage cluster faults to vCenter for alert notification.

## *Before you begin*

- Your storage cluster is running NetApp Element software 11.3 or later.
- You have deployed a management node running version 11.3 or later.
- You have internet access. The Active IQ collector service cannot be used from dark sites.

## *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.

## 2. Activate telemetry:

- a. Access the mnode service API UI on the management node by entering the management node IP address followed by `/mnode`:

```
https://[management node IP]/mnode
```

- b. Click **Authorize** or any lock icon 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. Configure the base asset:

- i. Click **PUT /assets/{asset\_id}**.
- ii. Click **Try it out**.
- iii. Enter the following in the JSON payload:

```
{
  "telemetry_active": true
  "config": {}
}
```

- iv. Enter the base ID from the previous step in **asset\_ID**.
- v. Click **Execute**.

The Active IQ service is automatically restarted whenever assets are changed. Modifying assets results in a short delay before settings are applied.

3. If you have not already done so, add a vCenter controller asset for NetApp HCI monitoring (NetApp HCI installations only) and Hybrid Cloud Control (for all installations) to the management node known assets:



A controller asset is required for NetApp HCI monitoring services.

- a. Click **POST /assets/{asset\_id}/controllers** to add a controller sub-asset.
- b. Click **Try it out**.
- c. Enter the parent base asset ID you copied to your clipboard in the **asset\_id** field.
- d. Enter the required payload values with **type** as **vCenter** and vCenter credentials.

```
{
  "username": "string",
  "password": "string",
  "ip": "string",
  "type": "vCenter",
  "host_name": "string",
  "config": {}
}
```



**ip** is the vCenter IP address.

- e. Click **Execute**.

## Find more information

- [NetApp HCI Documentation Center](#)
- [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.