



Configure a storage Network Interface Controller (NIC)

HCI

Dave Bagwell
December 14, 2020

This PDF was generated from https://docs.netapp.com/us-en/hci/docs/task_mnode_install_add_storage_NIC.html on December 16, 2020. Always check docs.netapp.com for the latest.

Table of Contents

Configure a storage Network Interface Controller (NIC)	1
Configure a storage Network Interface Controller (NIC) for an untagged network interface	1
Configure a storage Network Interface Controller (NIC) for a tagged network interface	2

Configure a storage Network Interface Controller (NIC)

If you are using an additional NIC for storage, you can SSH in to the management node or use the vCenter console and run a curl command to set up a tagged or untagged network interface.

Before you begin

- You know your eth0 IP address.
- Your cluster version is running NetApp Element software 11.3 or later.
- You have deployed a management node 11.3 or later.

Configuration options

Choose the option that is relevant for your environment:

- [Configure a storage Network Interface Controller \(NIC\) for an untagged network interface](#)
- [Configure a storage Network Interface Controller \(NIC\) for a tagged network interface](#)

Configure a storage Network Interface Controller (NIC) for an untagged network interface

Steps

1. Open an SSH or vCenter console.
2. Replace the values in the following command template and run the command:



Values are represented by **\$** for each of the required parameters for your new storage network interface. The **cluster** object in the following template is required and can be used for management node host name renaming. **--insecure** or **-k** options should not be used in production environments.

```
curl -u $mnode_user_name:$mnode_password --insecure -X POST \
https://$mnode_IP:442/json-rpc/10.0 \
-H 'Content-Type: application/json' \
-H 'cache-control: no-cache' \
-d '{
    "params": {
        "network": {
            "$eth1": {
                "#default" : false,
                "address" : "$storage_IP",
                "auto" : true,
                "family" : "inet",
                "method" : "static",
                "mtu" : "9000",
                "netmask" : "$subnet_mask",
                "status" : "Up"
            }
        },
        "cluster": {
            "name": "$mnode_host_name"
        }
    },
    "method": "SetConfig"
}
```

Configure a storage Network Interface Controller (NIC) for a tagged network interface

Steps

1. Open an SSH or vCenter console.
2. Replace the values in the following command template and run the command:



Values are represented by **\$** for each of the required parameters for your new storage network interface. The **cluster** object in the following template is required and can be used for management node host name renaming. **--insecure** or **-k** options should not be used in production environments.

```

curl -u $mnode_user_name:$mnode_password --insecure -X POST \
https://$mnode_IP:442/json-rpc/10.0 \
-H 'Content-Type: application/json' \
-H 'cache-control: no-cache' \
-d ' {
    "params": {
        "network": {
            "$eth1": {
                "#default" : false,
                "address" : "$storage_IP",
                "auto" : true,
                "family" : "inet",
                "method" : "static",
                "mtu" : "9000",
                "netmask" : "$subnet_mask",
                "status" : "Up",
                "virtualNetworkTag" : "$vlan_id"
            }
        },
        "cluster": {
            "name": "$mnode_host_name",
            "cipi": "$eth1.$vlan_id",
            "sipi": "$eth1.$vlan_id"
        }
    },
    "method": "SetConfig"
}
'

```

Find more Information

- [Add an asset to the management node](#)
- [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.