



# Convert 40GbE NIC ports into multiple 10GbE ports for 10GbE connectivity

## ONTAP System Manager

Barb Einarsen  
December 09, 2020

This PDF was generated from [https://docs.netapp.com/us-en/ontap/networking-app/convert\\_40gbe\\_nic\\_ports\\_into\\_multiple\\_10gbe\\_ports\\_for\\_10gbe\\_connectivity.html](https://docs.netapp.com/us-en/ontap/networking-app/convert_40gbe_nic_ports_into_multiple_10gbe_ports_for_10gbe_connectivity.html) on December 11, 2020. Always check docs.netapp.com for the latest.

# Table of Contents

Convert 40GbE NIC ports into multiple 10GbE ports for 10GbE connectivity ..... 1

# Convert 40GbE NIC ports into multiple 10GbE ports for 10GbE connectivity

You can convert the X1144A-R6 and the X91440A-R6 40GbE Network Interface Cards (NICs) to support four 10GbE ports.

If you are connecting a hardware platform that supports one of these NICs to a cluster that supports 10GbE cluster interconnect and customer data connections, the NIC must be converted to provide the necessary 10GbE connections.

## Before you begin

You must be using a supported breakout cable.

## About this task

For a complete list of platforms that support NICs, see the [Hardware Universe](#).



On the X1144A-R6 NIC, only port A can be converted to support the four 10GbE connections. Once port A is converted, port e is not available for use.

## Steps

1. Enter maintenance mode.
2. Convert the NIC from 40GbE support to 10GbE support.

```
nicadmin convert -m [40G | 10G] [port-name]
```

3. After using the convert command, halt the node.
4. Install or change the cable.
5. Depending on the hardware model, use the SP (Service Processor) or BMC (Baseboard Management Controller) to power-cycle the node for the conversion to take effect.

## 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.