Compute Firmware Bundle 12.2.109 Release Notes

HCI

Michael Wallis
September 15, 2020

This PDF was generated from https://docs.netapp.com/us-en/hci/docs/rn_firmware_12.2.109.html on November 13, 2020. Always check docs.netapp.com for the latest.

NetApp®

Table of Contents

Compute Firmware Bundle 12.2.109 Release Notes 1
What's New 1
Resolved issues 1
Known issues 2

Compute Firmware Bundle 12.2.109 Release Notes

The downloadable compute node firmware package contains the latest BIOS and BMC feature enhancements, bugfixes, and hardware support for all supported NetApp HCI compute nodes.

What's New

Version 12.2.109 introduces BMC support for the DMTF Redfish APIs, which enables future functionality for NetApp Hybrid Cloud Control. The firmware updates also contain general bugfixes and resolve memory issues. The BMC updates for H300E, H500E, and H700E compute nodes address several security vulnerabilities, including CVE-2019-16649, CVE-2019-16650, and CVE-2019-6260.

This firmware package contains the following firmware versions for hardware components, with updated versions in bold:

Component	H300E, H500E, H700E	H410C	H610C	H615C
BIOS	NA2.1	**NA3.7**	**3B01**	3B06.CO
BMC	**6.84.00**	6.71.06	**3.96.07**	**4.64.07**
NIC / Mellanox	14.21.1000	14.21.1000	14.22.1002	14.23.1020

To download the compute node firmware package:

1. Go to the NetApp HCI downloads page.
2. Choose **Compute_Firmware_Bundle** from the drop down list.
3. Click **Go**.

Visit Update compute node firmware for instructions on updating your compute node firmware.

Resolved issues

The following are issues that have been resolved in this release.

Issue	Description
PE-10306	When you upgrade the BMC software on an Element 11.8 storage node, BMC user credentials are lost.

Issue	Description
CSESF-26	In some circumstances, H610C nodes can exhibit intermittent fan noise.
CSESF-293	When you upgrade to the version 12.2.92 compute node firmware on a H410C, H610C, H300E, H500E, or H700E node, version 14.21.1000 of the Mellanox network interface card (NIC) firmware is installed, even if it was previously at a newer version.
CSESF-352	TLS versions 1.0 and 1.1 suffer from security vulnerabilities. This release disables TLS 1.0 and 1.1 for H610C and H615C compute nodes.

Known issues

The following are known issues in this release that might affect daily operation in some environments.

Issue	Description	Workaround
CSESF-295	The compute node firmware update process fails with a BIOS update error when you update the firmware on a H410C node using the downloadable firmware package.	Manually update the BIOS to version NA3.7 on the H410C node: 1. Browse to the NetApp HCI Downloads page. 2. Enter `H410C_BIOS_3.7` in the drop down list text field. 3. Click **Go**. Instructions for updating are available in PDF format on the download page. After you update the BIOS and BMC, update the H410C node firmware using the compute firmware 12.2.109 package.

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.