



# Upgrade your NetApp SolidFire all-flash storage system for Element 12.0

## HCI

Dave Bagwell, dbag-personal, Michael Wallis, amitha  
August 19, 2020

This PDF was generated from [https://docs.netapp.com/us-en/hci/docs/task\\_sf\\_upgrade\\_all.html](https://docs.netapp.com/us-en/hci/docs/task_sf_upgrade_all.html) on September 29, 2020. Always check docs.netapp.com for the latest.

# Table of Contents

Upgrade your NetApp SolidFire all-flash storage system for Element 12.0 ..... 1

# Upgrade your NetApp SolidFire all-flash storage system for Element 12.0

You can keep your SolidFire Element storage system up-to-date after deployment by sequentially upgrading all NetApp storage components.

These components include management services, HealthTools, NetApp Hybrid Cloud Control (HCC), Element software, management node, and (depending on your installation) the Element Plug-in for vCenter Server.

## *What you'll need*

- You are running management node 11.3 or later. Newer versions of the management node have a modular architecture that provides individual services.



To check the version, log in to your management node and view the Element version number in the login banner. If you do not have 11.3, see [Upgrade your management node](#).

- You have upgraded your management services to at least version 2.1.326.

Upgrades using HCC are not available in earlier service bundle versions.

- You have ensured that the system time on all nodes is synced and that NTP is correctly configured for the storage cluster and nodes. Each node must be configured with a DNS nameserver in the per-node web UI ([https://\[IP address\]:442](https://[IP address]:442)) with no unresolved cluster faults related to time skew.

## *Steps*

1. [Update management services from Hybrid Cloud Control](#).



You must upgrade to the latest management services bundle before upgrading your Element software to version 12.

2. [\(Optional\) Upgrade to the latest HealthTools](#).



Upgrading HealthTools is only required if the management node and Element software you are running is 11.1 or earlier. HealthTools are not required for performing Element upgrades using NetApp Hybrid Cloud Control.

3. [Run Element storage health checks prior to upgrading storage](#).
4. Element storage and firmware upgrades:
  - [\(Option A\) Upgrade your Element software version](#).



This option performs a full Element software and storage firmware upgrade.

- [\(Option B\) Upgrade your Element storage firmware.](#)



This option performs a storage firmware only upgrade if you elect not to upgrade your Element software.



Element software bundles will continue to include the storage firmware, but you will soon have the flexibility to update only the firmware using a storage firmware only package when it becomes available.

5. [Upgrade your management node.](#)
6. [Upgrade your Element Plug-in for vCenter Server.](#)

## 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.