



## **Release notes**

### **Converged Systems Advisor**

NetApp  
February 12, 2024

This PDF was generated from [https://docs.netapp.com/us-en/converged-systems-advisor/reference\\_new.html](https://docs.netapp.com/us-en/converged-systems-advisor/reference_new.html) on February 12, 2024. Always check docs.netapp.com for the latest.

# Table of Contents

- Release notes ..... 1
  - What's new in Converged Systems Advisor..... 1
  - Archive of "What's new in Converged Systems Advisor" ..... 1
  - Known issues ..... 7

# Release notes

## What's new in Converged Systems Advisor

NetApp periodically updates Converged Systems Advisor to bring you new features, enhancements, and bug fixes.

To confirm FlexPod components are supported by the CSA agent, reference the [NetApp Interoperability Matrix Tool](#) (IMT).

### 31 July 2020

The release includes the following enhancements:

- [New functionality for storage change detection \(diffs\)](#)
- [Expanded configuration assurance for cluster interconnect switches](#)
- [Initial coverage of NVMe designs](#)

#### New functionality for storage change detection (diffs)

Now you can detect changes that have occurred on the storage system. To check for change, from the **Storage Inventory** pages, click **View Configuration Difference**. Then, select a previous configuration data and time, which will be compared to the most recent storage configuration. Any changes that have occurred will be highlighted for quick review.

#### Expanded configuration assurance for cluster interconnect switches

In the Converged Systems Advisor portal, the configuration assurance checks have been expanded to monitor the supportability of ONTAP cluster interconnect switching for the following models:

- Cisco Nexus 3132Q-V
- Cisco Nexus 3232C
- Cisco Nexus 92300YC

#### Initial coverage of NVMe designs

Initial configuration assurance checks have been added to monitor supportability of NVMe ONTAP storage designs in FlexPod.

## Archive of "What's new in Converged Systems Advisor"

NetApp periodically updates Converged Systems Advisor to bring you new features, enhancements, and bug fixes.

To confirm FlexPod components are supported by the CSA agent, reference the [NetApp Interoperability Matrix Tool](#) (IMT).

## Contents

This archive contains information from the following releases:

- [30 April 2020](#)
- [3 February 2020](#)
- [7 November 2019](#)
- [24 July 2019](#)
- [25 April 2019](#)
- [28 March 2019](#)
- [17 January 2019](#)
- [13 September 2018](#)

## 30 April 2020

This release includes the following enhancements:

- [Upgrade Advisor](#)
- [Cluster interconnect switch](#)
- [Capacity card enhancements](#)
- [System diagram alerts](#)

### Upgrade Advisor

Now you can check compatibility for your VMware vCenter and ONTAP versions with your Nexus and UCS components. To check compatibility, use Upgrade Advisor in the dashboard under Firmware Interoperability. All versions you see are supported.



### Cluster interconnect switch

**Cluster Interconnect Switch** was added under **Firmware Interoperability** in the Dashboard view. Now you can monitor the supportability of ONTAP cluster interconnect switches for the following models:

- Cisco Nexus 3132Q-V
- Cisco Nexus 3232C
- Cisco Nexus 92300YC



In the agent, you can now add a cluster interconnect switch as a device in the **Add Device Information** drop-down menu.

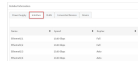


## Capacity card enhancements

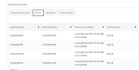
Links to network port utilization and UCS Blade Server utilization were also added to help you monitor and expand your FlexPod infrastructure. In the Dashboard view, when you go to Capacity, you'll see two new links.



Port Utilization links to detailed information for interfaces in the Network tier.



UCS Blade Server Utilization links to detailed information for blades in the Compute tier.



## System diagram alerts

You'll now see alerts in the diagram views of your system so you can monitor your infrastructure better.



## Fixed issues

The following known issues have been fixed in this release:

Bug ID	Description
<a href="#">1253405</a>	Nexus switch port status might be displayed incorrectly in Converged Systems Advisor.

- Return to [Contents](#)

## 3 February 2020

This release includes the following enhancements:

- [Navigation enhancements](#)
- [Aggregate details](#)

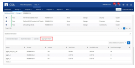
### Navigation enhancements

- This release makes it possible for you to see all of your systems in **View All Systems**.
- It's easier for you to see and navigate through the structure of your component tiers. You can use the drop-down menu and arrows to view your devices.
- It's also easier to navigate to and from the Dashboard (home) view using a breadcrumb trail.



### Aggregate details

In the Dashboard view, when you go to Capacity, you can now see a link to **Aggregate Details**. You can use the link provided to see detailed information about your aggregates in the Storage tier.



## Fixed issues

The following known issues have been fixed in this release:

Bug ID	Description
<a href="#">1279956</a>	Single node MetroCluster does not show the IOXM expansion module in the Overview and Rule summary on the cluster detail page.

- Return to [Contents](#)

## 7 November 2019



All of the new features and enhancements in this release are automatically included after you add your Flexpod into Converged Systems Advisor. Follow the instructions in [Getting Started](#) to add your FlexPod as a Converged Infrastructure into Converged Systems Advisor.

This release includes the following new features and enhancements:

- [MetroCluster awareness](#)
- [NVMe awareness](#)
- [Improved interoperability functionality](#)

### MetroCluster awareness

Converged Systems Advisor now supports adding a single site of a MetroCluster FlexPod as a converged infrastructure. Analytics will now be able to determine the health of both sides of the MetroCluster.

### NVMe awareness

Converged Systems Advisor will now run analytics to check the configuration of the NVMe protocol which is supported on ONTAP 9.4 and above.

### Improved interoperability functionality

Converged Systems Advisor has an updated interoperability card that will link to a pop up that shows the current, nearest, and latest versions supported for each component. A new report has been added in the pop up to show an individualized Interoperability report per component tier.

- Return to [Contents](#)

## 24 July 2019

This release includes the following new features and enhancements:

- [Support for Cisco ACI in FlexPod](#)

- [Support for multiple clusters in a single FlexPod](#)

## Support for Cisco ACI in FlexPod

Converged Systems Advisor now supports FlexPod designs with Cisco ACI Networking. The support and configuration of all devices in your FlexPod will be evaluated, even the two dynamically determined leaf switches connected to your other FlexPod devices.

## Support for multiple clusters in a single FlexPod

Converged Systems Advisor now supports multiple clusters in a single FlexPod. Storage ONTAP rules are processed on all clusters and all clusters are reflected on the system diagram.

- [Return to Contents](#)

## 25 April 2019

This release includes the following new features and enhancements:

- [Automatically resolving failed rules](#)
- [Displaying suppressed rules](#)

### Automatically resolving failed rules

Converged Systems Advisor can now automatically resolve issues that cause certain rules to fail. This functionality is automatically enabled by restarting your agent.

### Displaying suppressed rules

You can now display a global list of suppressed rules within Converged Systems Advisor and reenable alerts for suppressed rules from the list.

### Fixed issues

The following known issues have been fixed in this release:

Bug ID	Description
<a href="#">1211321</a>	System diagram images might not display for a converged infrastructure
<a href="#">1211987</a>	Storage Cluster Efficiency value is displayed incorrectly
<a href="#">1211995</a>	Nexus switch port status might be displayed incorrectly
<a href="#">1211999</a>	Space reservation status is displayed incorrectly

- [Return to Contents](#)

## 28 March 2019

The following known issues have been fixed in this release:

Bug ID	Description
<a href="#">1211993</a>	Thin Provisioned status is displayed incorrectly in CSA

Bug ID	Description
<a href="#">1211998</a>	Disk Space Utilization percentage is displayed incorrectly in CSA
<a href="#">1211990</a>	Interfaces mapped to the VLAN in Nexus switch might be mismatched with the actual device output in CSA
<a href="#">1212001</a>	Power Supply information for a rack mounted server might be displayed incorrectly in CSA

- [Return to Contents](#)

## 17 January 2019

This release includes the following new features and enhancements:

- [Support for new FlexPod devices](#)
- [Detailed information about hosts and virtual machines](#)
- [Simplified experience when adding an infrastructure](#)
- [Device import using a file](#)
- [Integration with NetApp Active IQ](#)

### Support for new FlexPod devices

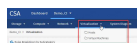
Converged Systems Advisor now supports the following FlexPod devices:

- Cisco UCS C-Series Rack Servers
- Nexus 3000 series switches
- Cisco UCS switches directly attached to NetApp controllers

For a complete list of supported devices, see the [NetApp Interoperability Matrix Tool](#).

### Detailed information about hosts and virtual machines

Converged Systems Advisor now provides more information about your virtualization environment. You can drill down to view information about individual hosts and virtual machines, including diagrams, an inventory list, and a rules summary.



### Simplified experience when adding an infrastructure

It's now easier to add an infrastructure to Converged Systems Advisor. The portal enables you to enter the information step by step:



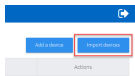
[Learn how to add an infrastructure to Converged Systems Advisor.](#)

### Device import using a file

You can now configure the Converged Systems Advisor agent to discover your FlexPod infrastructure by importing a file that includes information about each device. Importing the devices is an alternative to manually



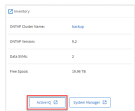
adding each device, one by one.



[Learn how to configure the agent to discover your FlexPod infrastructure.](#)

## Integration with NetApp Active IQ

You can now launch Active IQ from Converged Systems Advisor. The following example shows an Active IQ link available in the Storage page:



## Fixed issues

The following known issues have been fixed in this release:

Bug ID	Description
4671	Firefox might stop responding when browsing the Converged Systems Advisor portal.
4500	The Converged Systems Advisor portal does not log you out after the timeout interval has expired. You remain logged in, but cannot see your FlexPod systems.
2794	Converged Systems Advisor displays "Pass" for the rule titled "VMware tools check" even though VMware tools was not installed on the virtual machine.

- [Return to Contents](#)

## 13 September 2018

This release of Converged Systems Advisor includes the following new features:

- A new user interface and user experience to simplify customers' FlexPod operations
- Health and best practices validation for VMware virtualization
- Support for Cisco MDS switches with expanded Fibre Channel support

## Known issues

Known issues identify problems that might prevent you from using the service successfully. If a Bugs Online report is available, the bug ID contains a hyperlink to the report.

Bug ID	Description
<a href="#">1234597</a>	Converged Systems Advisor does not remediate the DNS configuration for more than four SVMs.

Bug ID	Description
<a href="#">1234603</a>	After creating multiple remediation jobs with collection enabled, collection is triggered only for the first remediation job.
<a href="#">1335590</a>	The "Storage failover state" CA rule was removed from Converged Systems Advisor.
<a href="#">1335593</a>	The version numbers of the Nexus and MDS switches are shown incorrectly under "Upgrade Advisor".

## Copyright information

Copyright © 2024 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.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

## 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.