



# **Active IQ**

## Cloud Insights

NetApp  
December 20, 2022

# Table of Contents

- Active IQ ..... 1
  - Opening the Active IQ page ..... 1
  - Querying for Risks ..... 2
  - Dashboards ..... 2

# Active IQ

NetApp [Active IQ](#) provides a series of visualizations, analytics, and other support-related services to NetApp customers for their hardware / software systems. The data reported by Active IQ can enhance troubleshooting of system problems and also provide insight into optimization and predictive analysis related to your devices.



Cloud Insights collects the **Risks** for any NetApp Clustered Data ONTAP storage system that is monitored and reported by Active IQ. Risks reported for the storage systems are collected automatically by Cloud Insights as part of its data collection from those devices. You must add the appropriate data collector to Cloud Insights to collect Active IQ risk information.

Cloud Insights will not show risk data for ONTAP systems that are not monitored and reported by Active IQ.

The risks reported are shown in Cloud Insights on the *storage* and *storage node* asset landing pages, in the "Risks" table. The table shows Risk Detail, Category of risk, and Potential Impact of the risk, and also provides a link to the Active IQ page summarizing all risks for the storage node (NetApp Support account sign-in required).

Risks				
108 items found <span>Filter...</span>				
Object ↑	Risk Detail	Category	Potential Impact	Source
 tawny01	The following certificates have expired or are expiring within 30 days: Expired: 53CF9553, 53C504D4, 53D671B4, Expiring within 30 days: None	System Configuration	Clients may not be able to connect to the cluster over secure (SSL based) protocols.	 Active IQ <a href="#">Link</a>
 tawny01	None of the NIS servers configured for SVM(s) tawny_svm_oci_markic can be contacted.	CIFS Protocol	Potential CIFS and NFS outages may occur.	 Active IQ <a href="#">Link</a>
 tawny01	ONTAP version 8.3.2 has entered the Self-Service Support period.	ONTAP	Self-Service Support is the time period where NetApp does not provide support for a version of a software product, but related documentation is still available on the NetApp Support Site.	 Active IQ <a href="#">Link</a>

A count of reported risks is also shown in the landing page's Summary widget, with a link to the appropriate Active IQ page. On a *storage* landing page, the count is a sum of risks from all underlying storage nodes.

Storage Summary		
Model: FAS6210	Microcode Version: 8.3.2 clustered Data ONTAP	Management: <a href="https://10.197.143.25:443">HTTPS://10.197.143.25:443</a>
Vendor: NetApp	Raw Capacity: 80,024.3 GB	FC Fabrics Connected: 0
Family: FAS6200	Latency - Total: 0.77 ms	Performance Policies:
Serial Number: 1-80-000013	IOPS - Total: 1,819.19 IO/s	Risks:  108 risks detected by  Active IQ <a href="#">Link</a>
IP: 10.197.143.25	Throughput - Total: 41.69 MB/s	

## Opening the Active IQ page

When clicking on the link to an Active IQ page, if you are not currently signed in to your Active IQ account, you must perform the following steps to view the Active IQ page for the storage node.

1. In the Cloud Insights Summary widget or Risks table, click the "Active IQ" link.
2. Sign in to your NetApp Support account. You are taken directly to the storage node page in Active IQ.

## Querying for Risks

In Cloud Insights, you can add the **monitoring.count** column to a storage or storage node query. If the returned result includes Active IQ-Monitored storage systems, the monitoring.count column will display the number of risks for the storage system or node.

## Dashboards

You can build widgets (e.g. pie chart, table widget, bar, column, scatter plot, and single value widgets) in order to visualize object risks for storage and storage nodes for NetApp Clustered Data ONTAP systems monitored by Active IQ. "Object Risks" can be selected as a column or metric in these widgets where Storage or Storage Node is the object of focus.



## Copyright information

Copyright © 2022 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.