NetApp

Release notes

Active IQ Digital Advisor

NetApp
May 13, 2022

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Release notes

What's new in Active IQ Digital Advisor

The following features and enhancements have been introduced in NetApp Active IQ Digital Advisor:

12 May 2022

StorageGRID

Additional capacity metrics are included in StorageGRID Capacity and Capacity Reports.

ClusterViewer

SnapMirror (Data Protection) summary for clusters is now included in ClusterViewer.

Upgrade workflow

You can now use the upgrade workflow to view upgrade recommendations and a summary of new features available in your target E-Series release.

Wellness

- The Ansible Playbooks have been enhanced to mitigate software configuration risks.
- The filters have been consolidated in the wellness actions and risks.

07 April 2022

Wellness

- The scoring of key recommendations for the latest Operating System Version and the '6-month' KPIs for Support Contracts and End of Support has been lowered to align with their reduced urgency to resolve.
- The key recommendations for Remote Management and HA Pair (Recommended Configuration) have been updated to include URLs to the NetApp Support Site for customer self-service.

31 March 2022

StorageGRID

You can view information about Tenants and Buckets in the GRID Viewer.

24 March 2022

Health Check Dashboard

- Enhancements and bug fixes to Health Assessment Executive Summary PPT.
- Ability to generate a minimum recommended version upgrade plan.
- Enhancements to Health Check tiles to identify the number of nodes that require attention for each KPI.

StorageGRID

You can view grid configuration details in the GRID Viewer.

Cloud Manager

Cloud Manager users can now open Active IQ links in new tabs, wherever applicable, similar to the existing functionality in Active IQ.

12 January 2022

Config Drift

- You can clone a template to make a copy of the original template.
- You can share golden templates with other entitled users with read-only or full access to these templates. Learn how.

15 December 2021

Reports

- **Cluster Viewer Report**: This report provides information about a single cluster or multiple clusters at a customer and watchlist level. You can use the ClusterViewer Report to download all the information in a single file. You can generate this report only for watchlist with up to 100 nodes.
- **Performance Report**: This report provides information, at a watchlist level, about the performance of a cluster, node, local tier (aggregate), and volume in a single zip file. Each zip file contains performance data for a single clusters, which helps the user analyze data of each cluster. You can generate this report only for watchlist with up to 100 nodes.

Integration with E-Series systems

You can view the capacity details and performance graph of a selected E-series system in Active IQ.

18 November 2021

Storage Efficiency

You can view the storage efficiency details for nodes that are maintained and monitored by NetApp Cloud Insights.

11 November 2021

Health Check Dashboard

- Added icons on those Health Check tiles which are only applicable for systems with the SupportEdge Advisor and SupportEdge Expert support offerings. The enhancements have been made to Recommended Software–Software Currency and Firmware Currency sections, Recommended Configuration, and Best Practices.
- Added a Confidential Data banner for Internal and External (Customers and Partners) users on the Active IQ Digital Advisor–Reports screen.

Wellness and Upgrade Widgets

Enhanced the dashboard with E-Series upgrade recommendations and risk triggered date added to column in the Wellness Action History.

ClusterViewer

The ClusterViewer Stack Visualization module has been enhanced to include the Zoom in/Zoom out and Save Image feature.

Storage Efficiency

You can view the storage efficiency details for systems that are maintained and monitored by NetApp Cloud Insights.

14 October 2021

Ansible Inventory

You can now generate Ansible inventory files in .yml and .ini file formats at the region and site level. Learn how.

Inactive Data Reporting (IDR)

From the FabricPool Advisor screen, you can activate inactive data reporting (IDR) to monitor aggregates and generate an Ansible Playbook. Learn more

Drift Timeline Report

You can compare the AutoSupport data of the last 90 days and generate a drift timeline report. Learn how.

Compliant Systems Toggle

The Health Check dashboard has been enhanced with a toggle for the Minimum OS and Latest OS tabs so that you can view the systems, which are compliant and not compliant with the minimum requirements of the recommended and latest version.

Key Recommendations Summary

On the Health Check dashboard, you can view a summary of the top 5 overall key recommendations.

Tabs for NetApp Cloud Volumes ONTAP and E-Series Platforms

The Health Check dashboard has been enhanced with Cloud Volumes ONTAP ** and E-Series tabs so that you can view the Health Check KPIs and details for those platforms.

A tab for 'ONTAP' has also been added along with the other platforms, which are now enabled.

Capacity

You can view the capacity details about the NetApp Cloud Volumes ONTAP systems in Active IQ.

Reports

The reporting timeline has been extended to 12 months. You will also receive a notification when the schedule report is about to expire.

30 September 2021

Customer Qualified Version

Customer Qualified Version helps a Support Account Manager (SAM) manage a portion of their customer's install base, which hosts applications requiring:

- An earlier and sometimes unsupported version of ONTAP

- Or a customer's install base tested and certified to use a certain OS version.

Technical Case Workflow

In both the dashboard and drill down screen, graphical enhancements have been made to the data chart and line graph. You have an option to view that data in a bar graph as well.
In the line-graph window, you can view, select, and deselect graphs for Open, Closed, and Total cases in both these user interfaces.

Performance Graphs

You can now download the performance graphs in PNG and JPG format, in addition to the CSV format.

End of Support (EOS) Controllers Beyond 12 Months

The Health Check Dashboard has been enhanced with a tab displaying controllers with an EOS exceeding 12 months.

16 September 2021

Wellness

- The Ransomware Defense widget is now part of Wellness workflow instead of a standalone widget.

- In the Wellness Review email, you'll find information about the Ransomware Defense instead of Renewals.

Capacity

You can view the capacity details about the NetApp ONTAP® Select systems in Active IQ.

ClusterViewer

You can view the cabling faults and other errors in the Visualization tab of ClusterViewer.

06 September 2021

StorageGRID

- View AutoSupport: View the AutoSupport logs for the StorageGRID and the underlying nodes.

- StorageGRID Appliance details: View StorageGRID appliance details such as the node type, appliance

model, drive size, drive type, RAID mode, and so on in the GRID Viewer - GRID Inventory section.

- • Renewals: View the list of GRIDs and the underlying nodes that are due for renewal.
- • E-series SANtricity risks: View E-series SANtricity risks for the underlying nodes in the GRID Dashboard - Wellness section.

Capacity Forecast

The Capacity Forecast widget has been updated with an improved algorithm that better accounts for system reconfigurations. Learn more.

26 August 2021

Active IQ Digital Advisor Mobile Application

You can now enable biometric authentication on the Active IQ Digital Advisor mobile application. The options available for authentication vary, depending on the features supported by your mobile phone.

Download the application to learn more:
Active IQ Digital Advisor Mobile Application (Android)
Active IQ Digital Advisor Mobile Application (iOS)

Wellness

Wellness widget has been enhanced with Ransomware Defense attribute. You can now view risks and corrective actions associated with ransomware detection, prevention, and recovery.

16 August 2021

Wellness Review

You can now generate the on-demand report. In addition, you can download the last scheduled report from the Wellness Review Subscription screen.

Inventory

In the Grid Inventory tab, you can now view the node details based on site level in an expandable and collapsible format.

Mixed-Model Cluster Flag

Where clusters have mixed-hardware models, the OS version applied across the cluster is the one which all nodes can use. As a result, the OS version of some nodes of more recent hardware models might be downrev from where they should be. To make these mixed-model clusters more visible, we have applied a "mixed model" icon.

Recommended Configuration / Storage Virtual Machine (SVM) Health: Volume-level Summary

Upon clicking the blue 'Volume Summary' box in the SVM table, a "pop-out" displays detailed information about the volumes which are hosted or attached to the specific serial number or physical node.

12 July 2021

System Firmware

You can now view information about the system firmware that is shipped along with the major and patch versions of ONTAP. You can access this feature from the Quick Links menu.

Health Check Dashboard

- The Health Check Dashboard has been enhanced to include a blue banner notifying users that the systems that are not supported by SupportEdge Advisor and SupportEdge Expert will not be factored in while calculating the health score.
- The Recommended Configuration widget has been enhanced to provide an in-depth analysis of the failed checks for your storage VM (SVM) and lets you take the recommended corrective actions for each risk.
- The recommended target ONTAP version is now the same for all nodes in a cluster configured with different hardware models. The target version is supported on all the nodes.
- You can now extend the EOS timeline for controllers, disks, and shelves through the purchase of a PVR. PVR dates and extension details, when purchased, are viewable in the end-of-support widget. The PVR details are also provided as part of the EOSL report.

Inventory

You can view the end dates of the support contracts for your hardware, software, and non-returnable disks on the detailed inventory page.

Support Offering Upgrade

- The user interface has been enhanced to display the specific support offering that you are subscribed to in Active IQ.
- You can now raise a request to upgrade your support offering subscription from the system dashboard to access more features. Learn how.

25 June 2021

Flex Subscription widget

- If you have opted for ONTAP Collector to obtain data on your capacity usage, you can view the details of your file shares and disks in the Shares and Disks tabs. You can save storage space by identifying those nearing committed capacity.
- The capacity usage, shown on the Keystone - Capacity Utilization dashboard and used for billing, is now based on the logical capacity.

17 June 2021

Reports

You can now generate aggregate volume performance reports for all volumes in a storage VM for any day, week, or month.

Wellness review email

The wellness review email has been enhanced to include information about the support and entitlements from the health check and upgrade actions.

Upgrade workflow

- The user interface has been enhanced to provide you with a table view of the information.
- You can now view information about the end of support of the ONTAP version in the Upgrade Details screen.

Config Drift

- Config Drift now supports over 200 AutoSupport sections for creating golden templates and generating drift reports across customer, site, group, watchlist, cluster, and host.
- Config drift allows you to mitigate deviations using Ansible playbooks which are included in the config drift report payload.

Health Check Dashboard

This feature has been enhanced to compare your storage VM (SVM) against a predefined catalog of risks to assess gaps and recommend the associated corrective actions.

09 June 2021

Health Check Dashboard

You can now view the number of systems based on which the health score is calculated. This enhancement is applicable for all the attributes in the Health Check Dashboard.

20 May 2021

Drift Chat for capacity addition requests

For real-time assistance on your capacity addition requests, chat with a salesperson directly from your dashboard. Learn how.

29 April 2021

- Here's how to protect your systems against hackers and Ransomware attacks. Learn how.
- You can avoid the downtime and possible data loss. Learn how.
- Learn how to avoid a volume filling up to prevent an outage. Learn how.

07 April 2021

Watchlist

When you access Active IQ Digital Advisor for the first time, you should now create a watchlist instead of a dashboard. You can also view the dashboard for different watchlists, edit the details of an existing watchlist, and delete a watchlist.

24 February 2021

Config Drift

This release provides the following functionality:

- Ability to edit attributes during template creation.
- Grouping of AutoSupport sections.
- Generate or schedule a config drift report across customer, site, group, watchlist, cluster, and hostname. Learn how.

Reports

You can generate or schedule Capacity and Efficiency reports to view detailed information on the capacity and storage efficiency savings of your system.

10 February 2021

StorageGRID

StorageGRID Dashboard is enabled using the NextGen API framework.

You can use the StorageGRID Dashboard for viewing information at the Watchlist, Customer, Group, and Site level.

This release provides the following functionality:

- **Inventory widget:** View inventory of StorageGRID systems available under the selected level.
- **Wellness widget:** View all the Risks and Actions, including the ones related to StorageGRID if they are applicable based on existing ARS rules for the available systems.
- **Planning widget:**
  - **Capacity Addition:** For any GRID sites that are exceeding the threshold of 70% of existing capacity, you'll be notified. You have the option to add capacity for the StorageGRIDs in the site, for the next 1, 3, & 6 months if the capacity threshold is likely to exceed 70%.
  - **Renewals:** For any StorageGRID systems for which the license contract has expired or is nearing expiration in the next 6 months, you'll be notified. You can select one or more systems to raise a request to the NetApp support team for renewal.
- **GRID dashboard:** The GRID dashboard provides wellness, planning, and configuration details for the selected GRID.
- **Configuration widget:** Provides basic details of the selected StorageGRID in the widget, such as GRID Name, Host Name, Serial Number, Model, OS Version, Customer Name, Shipped Location, and Contact Details.
- **GRID Viewer:** From the **Configuration** widget, you can view the GRID configuration in detail by clicking the **GRID Viewer** link. From the **Configuration** widget, you can download the Site Details and Capacity Details for the selected StorageGRID by clicking the **Download** button in the **Grid Viewer** screen.
- **Site details:** This tab provides the Grid Summary and Storage Nodes available for each site.
- **GRID summary:** Contains basic information, such as License Type, License Capacity, number of installed nodes, Support Term (Date of termination of license contract), Primary Admin Node, and Primary Site of the Primary Admin Node. This tab also provides the Site name and the number of storage nodes tagged

under the corresponding site. In this release, you can view the list of node names upon clicking the hyperlink available for viewing storage nodes for the corresponding site.

- **Capacity Details tab:** Provides the Grid Level and Site capacity details configured for the GRID. The Capacity details, such as Installed Storage Capacity, Available Storage Capacity, Total Used Storage Capacity, and Capacity used for Data and Metadata. These details are available at both the Grid and Site levels.

FabricPool Advisor

The Tier Data button has been added to the FabricPool dashboard, and it lets you tier data to low-cost object storage tiers using NetApp Cloud Manager.

Cloud ready workloads

You can view the different types of workloads that are available within your storage system and identify the workloads that are cloud-ready.

21 December 2020

Health Check Dashboard

The following widgets have been added to the dashboard:

- Recommended Software: This widget provides a consolidated list of all the software and firmware upgrades and currency recommendations.
- Loss of Signal: This widget provides scores and information about the systems, which have stopped sending AutoSupport data for some reason. It provides information if no AutoSupport data has been received from a hostname within a 7-day period.

12 November 2020

Integrating data using APIs

You can use Active IQ APIs to pull data of interest and integrate it directly into your company's workflow. Learn more.

Wellness - Upgrades widget

The enhanced Risk Advisor and Upgrade Advisor tabs enable you to view all the system risks and help you plan for an upgrade for mitigating all the risks.

Health Check Dashboard

The Recommended Configuration widget has been added to the dashboard, and it provides a summary on the number of systems that are monitored for remote management risks, spares and failed drives risks, and HA pair risks.

FabricPool Advisor

You can reduce your storage footprint and associated costs by monitoring your clusters, which have been classified into four categories: inactive local tier (aggregate) data, inactive volume data, tiered data, and those that are not IDR enabled.

Localization in Simplified Chinese and Japanese

Active IQ Digital Advisor is now available in three languages – Chinese, English, and Japanese.

Reports

You can generate or schedule ClusterViewer reports to view detailed information on the physical and logical configuration of your systems. Learn how.

15 October 2020

Health Check Dashboard

The Active IQ Health Check Dashboard provides a point-in-time review of your overall environment. Based on the health check score, you can align your storage systems to the recommended NetApp best practices to facilitate longer-term planning and improve the health of your installed base. Learn more.

Config Drift

This feature enables you compare the system and cluster configurations and the detect configuration deviations in near real time. Learn how to add a config drift template.

AutoSupport

You can view your AutoSupport data and review the details.

Wellness Review Subscription

You can subscribe to receiving monthly email notifications that summarize wellness status of systems—that are nearing their renewal dates and require an upgrade for the NetApp products in your installed base. Subscribe now.

Reports

You can use the reports feature to generate reports immediately or schedule a report to be generated on a weekly or monthly basis. Learn how.

Manual AutoSupport Upload

Manual AutoSupport Upload has been enhanced to improve the user experience. An additional column has been provided for remarks on the upload status.

Flex Subscription widget

You can monitor the committed, consumed, and burst storage capacity for your NetApp Keystone Flex Subscription Service.

30 September 2020

AFF and FAS firmware using Ansible Playbook

The documentation has been enhanced to include information about downloading, installing, and executing the AFF and FAS firmware ansible automation package.

Learn how to update AFF and FAS firmware using Ansible Playbook.

18 August 2020

Performance

Performance graphs have been enhanced to enable you to assess the performance of the volume. You can navigate and toggle between the node tab, cluster tab, the local tier tab, and the volume tab on the same screen. Learn how.

AFF and FAS firmware using Ansible Playbook

The AFF and FAS firmware screen has been enhanced to provide a better user experience.

17 July 2020

Performance

Performance graphs have been enhanced to enable you to assess the performance of the local tier. You can navigate and toggle between the node tab, cluster tab, and the local tier tab on the same screen.

Wellness

The wellness attributes have been enhanced to view all the affected systems without having to drill-down to the actions and risks.

19 June 2020

Generate report for inventory

You can now generate report of the selected watchlist and emails the report to a maximum of 5 recipients. Learn how.

Performance

Performance graphs have been enhanced to enable you to assess the cluster performance of your storage system. You can navigate and toggle between the node tab and the cluster tab on the same screen.

Storage efficiency

The storage efficiency widget has been enhanced to enable you to view the storage efficiency ratio and savings at a cluster level. You can navigate and toggle between the node tab and the cluster tab on the same screen.

Update the default home page

You can now provide your feedback and let us know the reason you are updating the default home page screen for Active IQ.

Update to the inventory widget

The inventory widget has been enhanced to improve the user experience, by providing user-friendly date formats, additional columns for end of platform support and end of version support.

19 May 2020

Set the default home page

You can now set the default home page screen for Active IQ. You can either set it to Active IQ Digital Advisor or Active IQ Classic.

Storage efficiency

You can view the storage efficiency ratio and savings of your storage system with and without Snapshot backups for AFF systems, non-AFF systems, or both. You can view the storage efficiency information at a node level. Learn how.

Performance

Performance graphs enable you to assess the performance of your storage devices in different significant areas.

AFF and FAS firmware upgrades using Ansible Playbook

Update the AFF and FAS firmware using Ansible on your storage system to mitigate the identified risks and to keep your storage system up to date.

Disabling the wellness score feature

The wellness score feature is being temporarily disabled to improve the scoring algorithm and simplify the overall experience.

02 April 2020

Onboarding overview video

The onboarding video helps users to quickly get familiar with the options and features of Active IQ Digital Advisor.

Wellness score

Wellness score provides customers with a consolidated score of their installed base based on the number of high risks and the expired contracts. Score can be good, average, or poor.

Risk summary

The risk summary provides detailed information about the risk, the impact of the risk, the corrective actions.

Support for acknowledging and disregarding risks

Provides the option to acknowledge a risk if you do want to mitigate or are unable to mitigate the risk.

19 March 2020

Upgrade workflow

You can use the upgrade workflow to view upgrade recommendations and a summary of new features available in your target ONTAP release. Learn how.

Valuable insights

You can view the summary of the benefits that you received through Active IQ and your support contract. For selected systems, the value report consolidates the benefits from last one year. View now.

Drill into details

Provides deeper information, which is a powerful way to dig deeper into the data and gain immediate insights into the make-up of aggregated information as required.

Capacity additions

You can proactively identify systems that have exceeded capacity or are nearing 90% capacity and send a request to increase capacity.

29 February 2020

Enhanced user interfaces

The latest Active IQ Digital Advisor Dashboards offer a personalized experience. It allows smooth and seamless navigation, with its intuitiveness, throughout different dashboards, widgets, and screens. It provides an all-in-one experience. It communicates comparisons, relationships, and trends. It provides insights that help you detect and validate important relationships and meaningful differences based on the data that is presented by different dashboards.

Customizable dashboards

Helps you monitor your systems at a glance by providing key insights and analysis about your data on one or more pages or screens. You can also create up to 10 dashboards and make effective business decisions.

Learn more.

Mitigate risks using Active IQ Unified Manager

You can view the risks and rectify them by using Active IQ Unified Manager. Learn how.

Wellness

Provides detailed information about the status of your storage system that is classified into the following 6 widgets:

- Performance & Efficiency
- Availability & Protection
- Capacity
- Configuration
- Security
- Renewals

See Analyze wellness attributes for more details.

Smarter and faster search

Allows you to search parameters, such as serial number, system ID, host name, site name, group name, and cluster name using the single-system view. You can also search for group of systems, in addition, you can search by a customer name, site name, or group name by group of systems.

Known limitations

Known limitations identify platforms, devices, or functions that are not supported by this release of the product, or that do not interoperate correctly with it. Review these limitations carefully.

The following limitations exist:

- For Data ONTAP storage systems operating in 7-Mode only (Data ONTAP storage systems operating in 7-Mode is nearing End of Support Life)
    - Performance charts
    - Storage efficiency
- Upgrade Advisor will not support upgrade plans for clustered ONTAP earlier than 9.0.

Editing a watchlist may take 60 minutes to reflect in Active IQ Digital Advisor

Editing a watchlist does not update the information in Active IQ Digital Advisor immediately. It may take up to 60 minutes for the changes to reflect in Active IQ Digital Advisor.

A blank report is displayed while scheduling reports

Scheduled reports are available only with a SupportEdge Advisor or a SupportEdge Expert support contract. If your systems are not under SupportEdge Advisor or a SupportEdge Expert support contract, you may get a blank report while scheduling reports.

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