Lenovo XClarity Integrator for Microsoft Azure Log Analytics
Installation and User's Guide

Version 1.0

Note

Before using this information and the product it supports, read the information in Appendix A "Notices" on page 15.

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About this publication

This book provides instructions for installing and using Lenovo XClarity Integrator for Microsoft Azure Log Analytics.

Lenovo XClarity Integrator for Microsoft Azure Log Analytics is a plug-in for Microsoft Azure Log Analytics that integrates with Lenovo XClarity Administrator to enable event management for Lenovo hardware.

Conventions and terminology

Paragraphs that start with a bold **Note**, **Important**, or **Attention** are notices with specific meanings that highlight key information.

Note: These notices provide important tips, guidance, or advice.

Important: These notices provide information or advice that might help you avoid inconvenient or difficult situations.

Attention: These notices indicate possible damage to programs, devices, or data. An attention notice appears before the instruction or situation in which damage can occur.

PDF and web resources

This product publication is available in PDF format.

• Installation and User's Guide

To view a PDF file, you need Adobe Reader. You can download it at no charge from the Adobe Acrobat website.

Use the following resources to learn more about Lenovo XClarity Integrator for Microsoft Azure Log Analytics.

• Azure Log Analytics
• Log Analytics alerting functionality
• Lenovo XClarity Administrator
• Azure Log Analytics pricing

Chapter 1. Lenovo XClarity Integrator for Microsoft Azure Log Analytics

Lenovo XClarity Integrator for Microsoft Azure Log Analytics lets you analyze events from Lenovo XClarity Administrator and the devices that it manages. These insights can help systems administrators find potential problems in their environment.

Lenovo XClarity Integrator solution includes six views that you can use to monitor events from your connected XClarity Administrator instances.
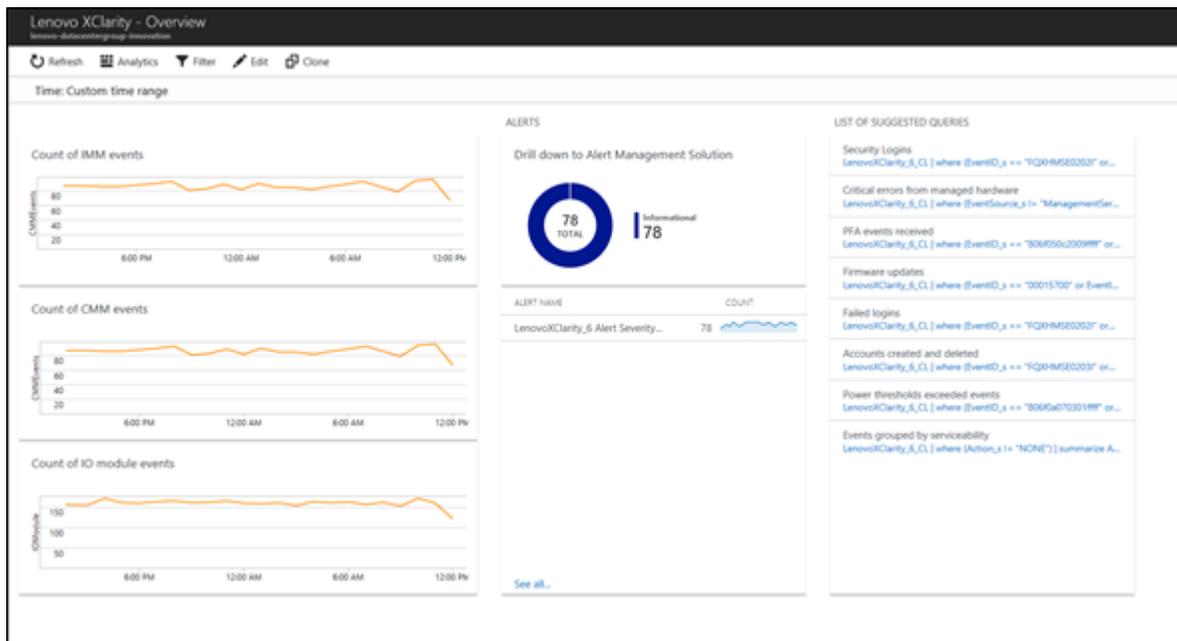
Lenovo XClarity

This is the high-level dashboard that gives you the summary of all types of events coming from your XClarity Administrator instances. Drilling down from each graph takes you to corresponding Lenovo XClarity views.

Lenovo XClarity – Overview

This view provides a summary of all events and alerts in XClarity Administrator. It also provides a list of basic queries that you can use to drill down into various issues.

Lenovo XClarity – Security

This view provides a summary of user logins and changes to user accounts and security policies.
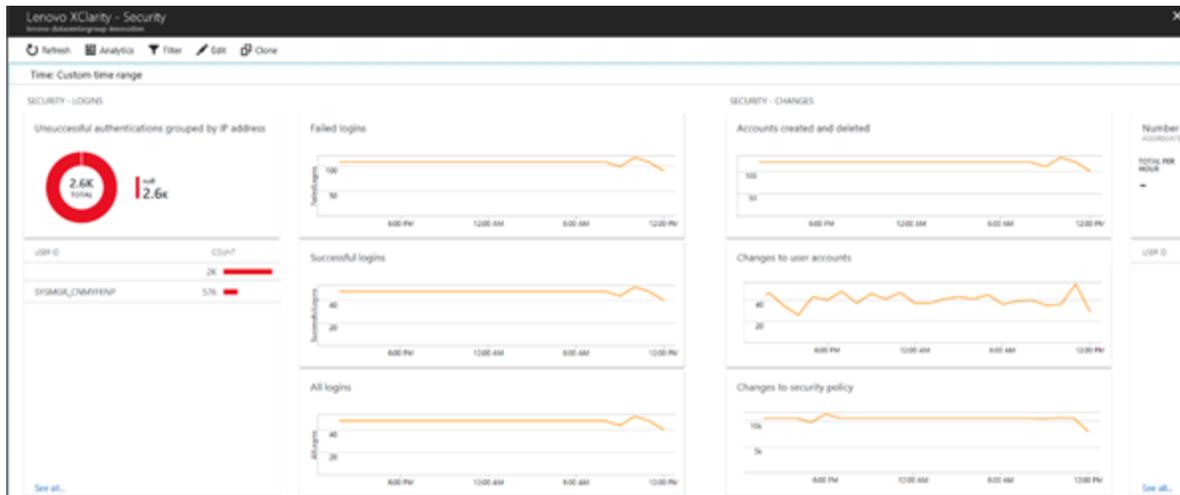
Lenovo XClarity – Provisioning

This view provides a summary of provisioning tasks, including firmware updates, server configuration, and operating-system deployments.

Lenovo XClarity – Power and Thermal

This view provides a summary of events that identify managed devices that exceeded power, thermal, and battery thresholds.

Lenovo XClarity – Events Recommending Service

This view provides a summary of predicted failure alert (PFA) events, critical events from managed devices, and serviceability events.

Chapter 2. Planning and setting up Lenovo XClarity Integrator for Microsoft Azure Log Analytics

Use this procedure to plan for and set up Lenovo XClarity Integrator for Microsoft Azure Log Analytics.

Software requirements

The following requirements must be met.

- Lenovo XClarity Administrator v2.0 or later
- Azure Subscription
- Microsoft Azure Log Analytics workspace (which can be created during configuration)
- Azure Automation account linked to the Microsoft Azure Log Analytics workspace (which can be created during configuration)

  Note: The solution charges based on the Microsoft Azure Log Analytics pricing tier. The automation account does not create additional charges but is required only for configuration.

## Setting up Lenovo XClarity Integrator for Microsoft Azure Log Analytics

To connect your Lenovo XClarity Administrator instance to your Log Analytics workspace, you need to apply changes separately on both products. Lenovo XClarity Integrator configuration enables you to collect events in your Log Analytics environment, and Log Analytics changes enable you to visualize data. Follow the steps listed below to get started.

Step 1. Configure your Microsoft Azure Log Analytics workspace.

   a. Log in to Azure from the Azure web portal.

   b. Go to Azure Marketplace by clicking **Create a resource**.
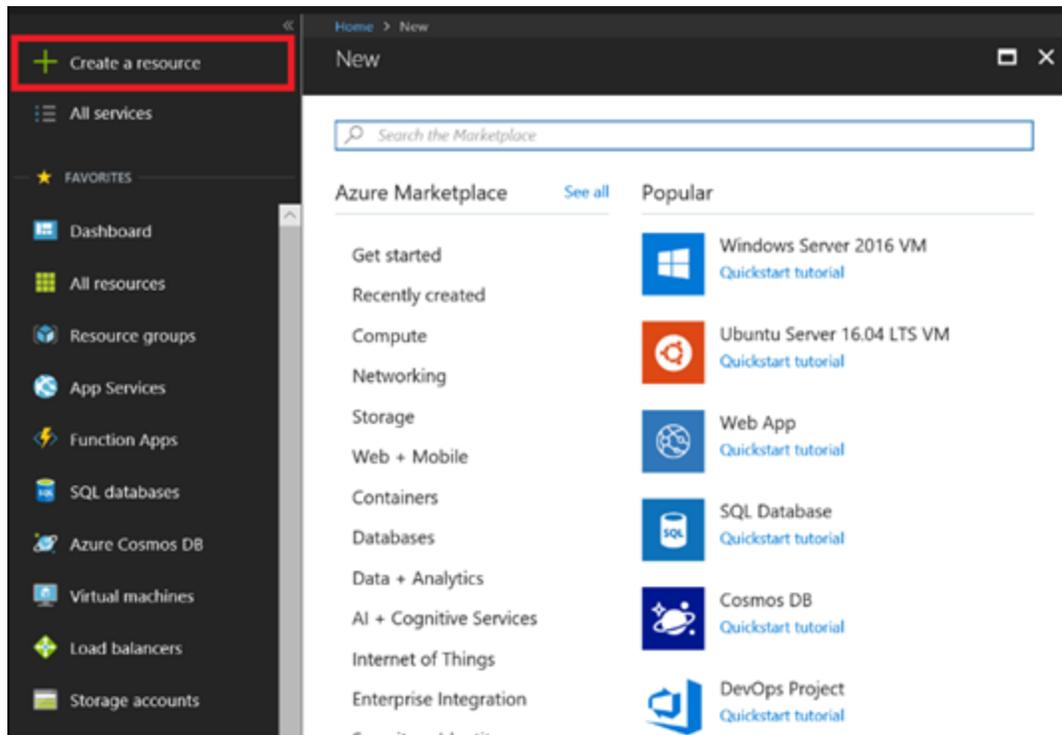
   c. Search for "Lenovo XClarity," and then select **Lenovo XClarity Solution** from the list.
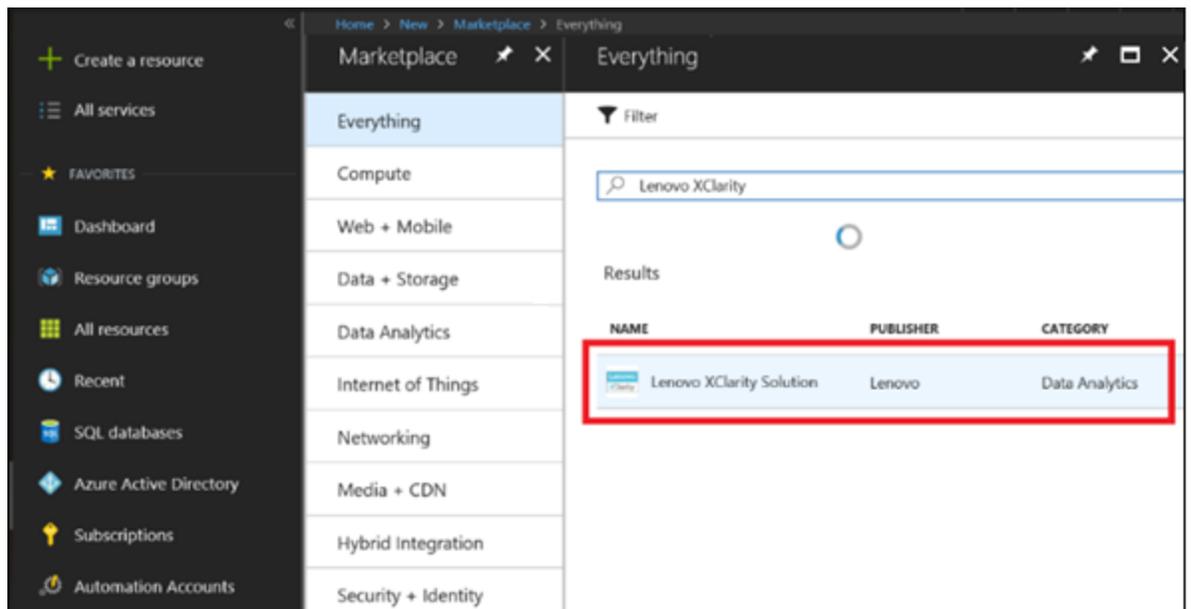
   d. Click **Create** to enable Log Analytics to collect logs from XClarity Administrator and its managed devices.

e. Provide the Log Analytics workspaces.

If you have a Log Analytics workspace, select it from the list. If you do not create a new workspace by clicking **Create New Workspace**. For more information about creating a Log Analytics workspace, see the Microsoft Azure: Create a workspace webpage.
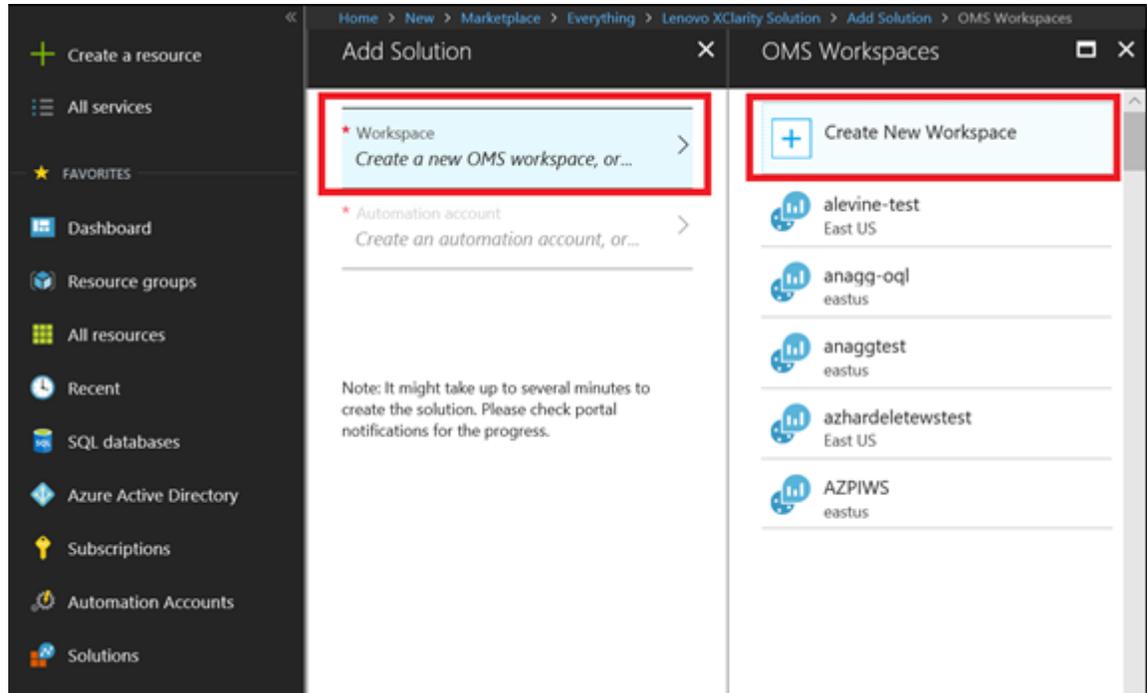
f. Select the **Automation Account** to link to the workspace.

If you have an automation account that is linked to the selected Log Analytics workspace, the account automatically selected. If you do not have an automation account for the selected Log Analytics workspace, you can create one by clicking **Create an Automation account**.

Note: The automation account is only needed for setup. It is not used later to facilitate the view.
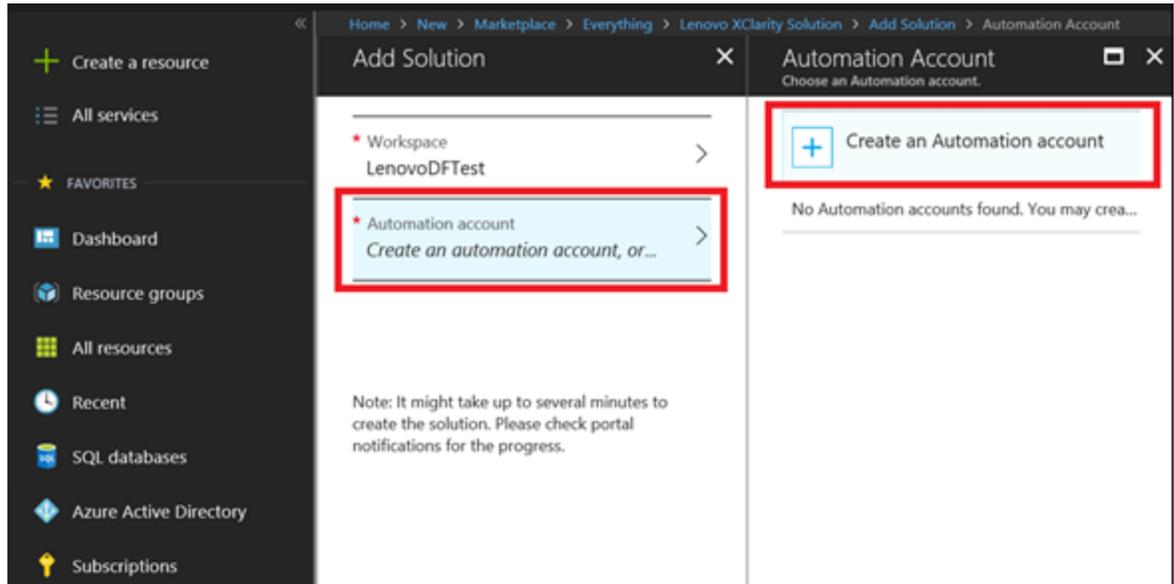
g. Click **Create**.

h. Check the progress of the deployment by clicking the **Notifications** icon in the toolbar.
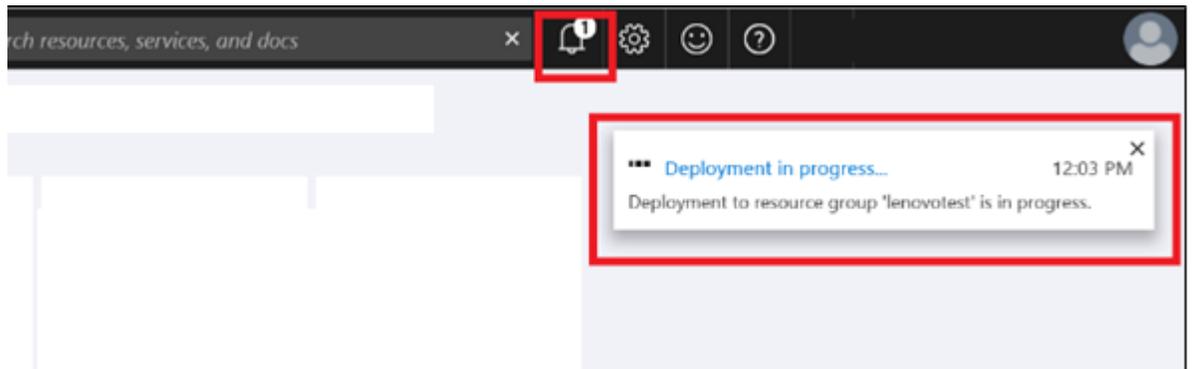
i.   After the deployment is completed, click **Overview** from the Log Analytics workspace.

j.   Verify that the Lenovo XClarity views are deployed in your workspace

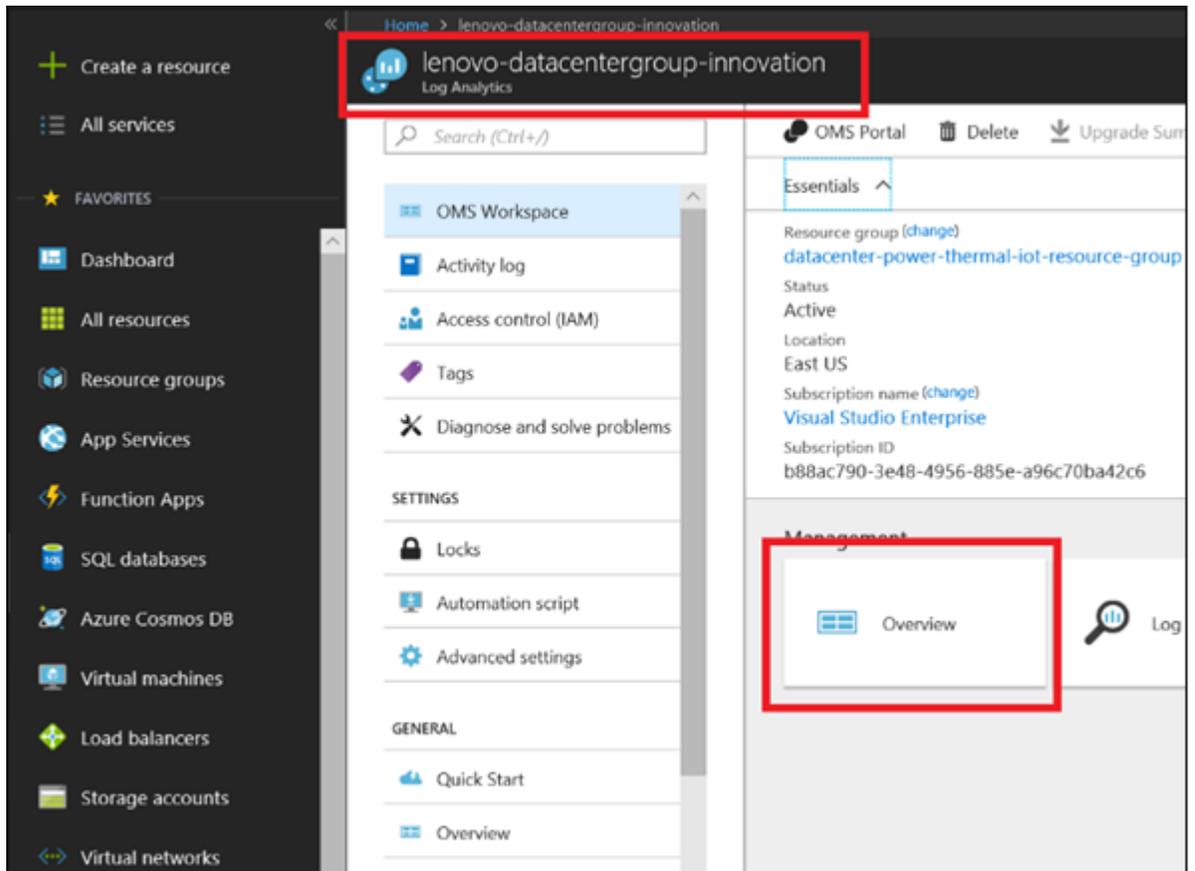**Note:** The views start displaying events only after event forwarding is configured on your XClarity Administrator instances.
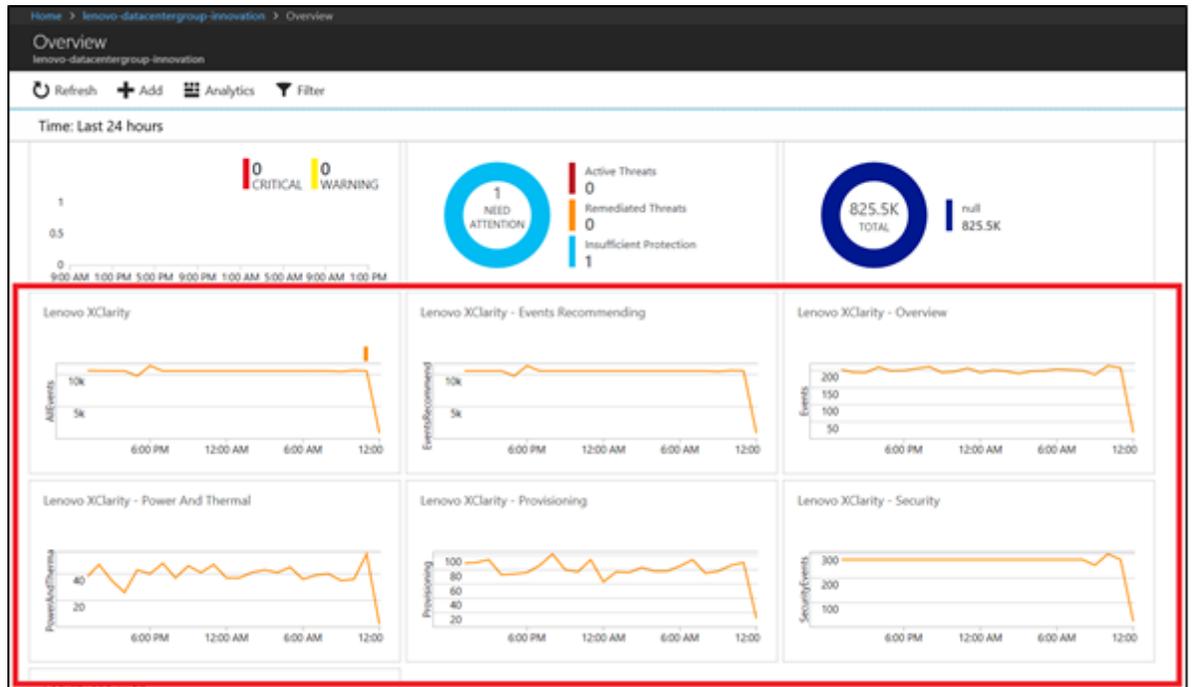
k.   You can pin any of the views on your Azure Dashboard for easy access. Right-click the tile and select **Pin to Dashboard**.

Step 2.   Configure your XClarity Administrator instances to forward events to your Log Analytics workspace. For information about configuring event forwarding, see the XClarity Administrator online documentation

Configuring alerts

Lenovo XClarity - Overview view integrates with the Log Analytics Alert Management solution. The Alerts blade shows alerts that are generated by your custom-defined rules.

For your alerts to show up in Lenovo XClarity - Overview view, you must name your alerts as "Lenovo_ XClarity_<my_alert_name>" (for example, Lenovo_XClarity_Alert Severity)" The blade shows only alerts that match the "Lenovo_XClarity" keyword.

ALERTS

Drill down to Alert Management Solution

240 TOTAL

Informational **240**

ALERT NAME	COUNT
LenovoXClarity_Alert Severity...	240

See all...

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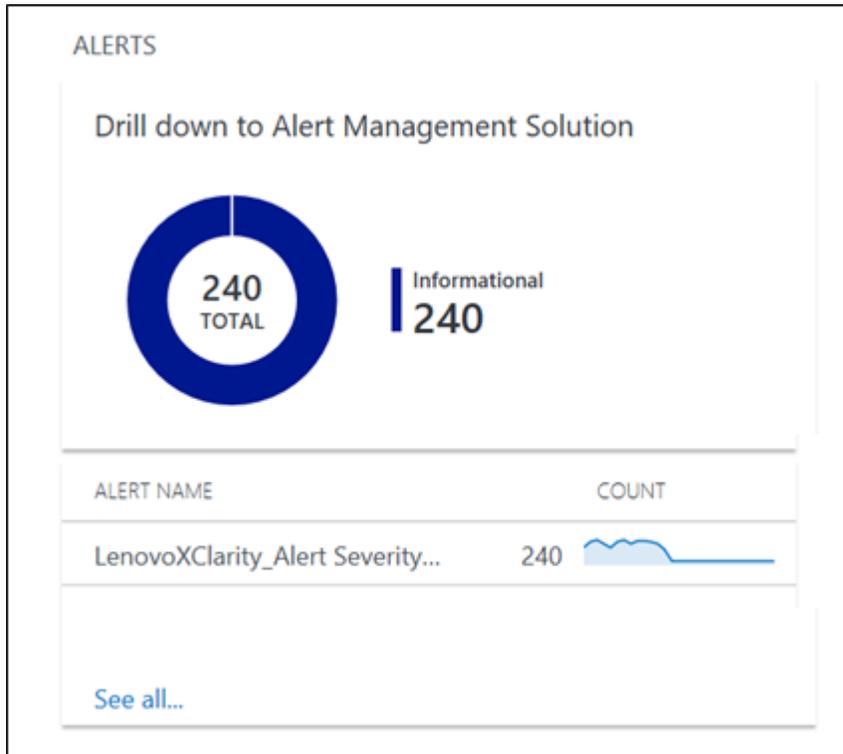
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Important notes

Processor speed indicates the internal clock speed of the microprocessor; other factors also affect application performance.

When referring to processor storage, real and virtual storage, or channel volume, KB stands for 1 024 bytes, MB stands for 1 048 576 bytes, and GB stands for 1 073 741 824 bytes.

When referring to hard disk drive capacity or communications volume, MB stands for 1 000 000 bytes, and GB stands for 1 000 000 000 bytes. Total user-accessible capacity can vary depending on operating environments.

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