



# Lenovo ThinkAgile MX Premier Solutions for Azure Stack HCI Top FAQs

Find the answers to your crucial questions about Lenovo ThinkAgile MX Premier Solutions for Azure Stack HCI.

Modernize your edge computing environments.



## What is a Premier Solution?

Designed in close collaboration with Microsoft, Azure Stack HCI Premier solutions from Lenovo integrate hardware, software, support and services to deploy and manage Azure Stack HCI with the highest-level of quality testing. This accelerates time to value with exceptional security, uptime, and support.

## Who are Premier Solutions for?

Lenovo Azure Stack HCI Premier Solutions are designed for customers with a deep need for the highest level of security, uptime, and quality support in addition to near zero-touch-provisioning. If your IT team is spending too much time managing your IT estate and they need to deploy and update to hundreds or thousands of nodes, then Lenovo Premier Solutions are the easiest way to deploy and manage Azure Stack HCI.

## How are Premier solutions different from other Lenovo Azure Stack HCI solutions?

Lenovo offers customers flexibility with three Azure Stack HCI solution categories: Certified Nodes, Integrated Systems and Premier Solutions. Certified Nodes are built on hardware components that are validated by Microsoft to be compatible with Azure Stack HCI requirements but require the user to have expertise in the best ways to put those components together. Integrated Systems are best-recipe configurations that use Lenovo configuration tools to ensure customers configure the Azure Stack HCI certified components correctly in a solution for optimal performance and reliability. The Premier solutions take this to the next level and add a layer of ongoing testing by both Microsoft and Lenovo to ensure all new or updated components, firmware, and software work together.

## Which types of Lenovo Servers are available for Premier Solutions?

Currently, Lenovo's Azure Stack HCI Premier Solution is offered on the ThinkAgile MX455 V3 Edge Premier Solution and is based on the AMD ThinkEdge SE455 V3 edge server. A solution based on Lenovo's 2U ThinkSystem SR650 is in initial testing, and we anticipate it being ready later in 2024.

The ThinkAgile MX455 V3 Edge Premier Solution is a GPU-rich and CPU-rich platform with Hybrid edge-to-cloud AI-optimized industry leading AMD processors. This half-depth 2U server is 32% more efficient<sup>[1]</sup> in its power usage and operates at 45 db (like a quiet office) with twice the number of cores and GPUs as competitive offerings. It is an enterprise-class server with features and functionalities specially designed for the edge (e.g. can operate up to 55 °C on AC or DC power), made to simplify deployment and provide seamless cloud management across thousands of nodes and multiple geographic locations.

## What types of workloads are Lenovo Azure Stack HCI Premier Solutions ideal for?

Almost any virtualized or containerized workload can run on Premier Solutions. The ThinkAgile MX455 V3 PR Premier Solution is ideal for AI workloads, real-time data inferencing, and analytics at the edge. This includes predictive maintenance, secure video analytics, streaming, and more. Future ThinkAgile MX platforms will have similar capabilities.

For the retail industry, our Premier Solutions are well-suited for personalized retail assistants and consolidating critical data in retail chains with multiple stores. In healthcare scenarios, and finance environments, ThinkAgile MX Premier Solutions are ideal for a variety of healthcare or finance-specific applications. Of course, Premier Solutions are not limited to these scenarios. You can utilize the power of Premier Solutions for manufacturing, SmartCity, and much more.

## How do Lenovo Azure Stack HCI Premier Solutions help reduce downtime?

Our Premier Solutions combine Lenovo's industry-leading reliability ratings<sup>[2]</sup> with continuous validation and testing by Lenovo and Microsoft, so you can enjoy increased reliability and reduced downtime.

## What type of support comes with Lenovo Azure Stack HCI Premier Solutions?

You can enjoy faster problem resolution with a single point of contact for Lenovo Support for all hardware and software issues. Lenovo has an integrated support case exchange with Microsoft to ensure you have responsive and top-tier expertise to resolve issues quickly.

## What type of security comes with Lenovo Azure Stack HCI Premier Solutions?

With the latest version of Azure Stack HCI, ThinkAgile MX Premier Solutions have more than 300 security settings enabled from Day 1. These include comprehensive data protection through self-encrypted storage and robust physical features (such as lockable security bezel and top cover, and anti-tamper sensors), as well as Lenovo System Guard. These default security settings provide a consistent security baseline to ensure that devices start in a known good state.

## How do I purchase a Premier Solution?

The ThinkAgile MX455 V3 Edge Premier Solution is configurable in [Lenovo's DCSC](#) and can be ordered just like any other ThinkAgile MX Solution you would order today by working with your Lenovo or Channel Partner representative.

## Can I run other Azure Services with my cluster?

Yes, there are a variety of Azure Services that can complement your Azure Stack HCI cluster such as SQL Managed Instance, Azure Virtual Desktop, and more.

## Extend your business to the cloud with an Azure hybrid solution.



[1] On a ThinkAgile MX455 V3 with an AMD EPYC 9004 64-core 200W processor, compared to a similar competitive system (Dell PowerEdge XR7620 or Supermicro SYS-221HE-FTNR) using dual Intel 4th Gen Xeon Scalable processors (each 32 cores) 225W, Lenovo consumes 31.6% less power. This means we are 32% more efficient than the competition for similar performance.

[2] See the [ITIC Reliability Study](#).

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