

ActiveScale Software 7.1.1 Release Notes

Original Product/Software Release Date	April 2025
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Below is information about new and improved features and enhancements in this version of the software release. It also details what has been fixed since the last software release and what issues are known and being addressed in the next version of software,

Version 7.1.1

Supported upgrade paths:	You can upgrade to this release from ActiveScale OS 6.5 or higher.
Prerequisites for upgrading to this release:	<p>You can only upgrade to this release if your current version is ActiveScale OS 6.5 or higher and a pre-upgrade health check shows no issues.</p> <p>None.</p>
Patches that must be applied or removed before upgrading to this release:	None. However, if you have implemented any workarounds for known issues, remove them.
Option to downgrade to previous release after upgrading to this release:	No.

Archived Release Notes

Release notes for previous ActiveScale software releases are archived and available on the ActiveScale Software Documentation Center at www.quantum.com/ActiveScaleDocs.

What's New or Improved

There are no new features in this release.

Fixed Issues

The following known issues that were fixed in this release.

Upgrade

- Fixed upgrade and install issue for X200 systems with JBOD enclosures.

Known Issues

To review all the known issues outside of this specific software release, refer to the [Troubleshooting](#) section of the **ActiveScale Documentation Center**.

System Limits

The following table lists system limits.

System Limit Description	P100 and X100	Converged Node (P100E3, X200, P200, Z200)
Maximum number of buckets per account	100 To configure the system to support more than 100 buckets per account, contact support.	100 To configure the system to support more than 100 buckets per account, contact support.
Maximum number of accounts/users that can be imported by uploading a CSV file through ActiveScale SM	300	300
Maximum number of accounts/users combined	5 million	5 million
Maximum number of buckets and UDA volumes combined system wide	5 million	5 million

System Limit Description	P100 and X100	Converged Node (P100E3, X200, P200, Z200)
Maximum number of objects	Depends on average object size and system capacity.	<ul style="list-style-type: none"> • X200: 10B per 6 nodes (3 twins) • P200: 1.25B per 3 nodes • P100E3: 238M per 3 nodes • Z200: Up to 100B objects per 3 nodes (metadata and data capacity are allocated dynamically)
		Dual failure protection: <ul style="list-style-type: none"> • X200: 5B per 6 nodes (3 twins) • P200: 1.25B per 6 nodes • P100E3: 238M per 6 nodes • Z200: Up to 100B objects per 5 nodes (metadata and data capacity are allocated dynamically)
		<ul style="list-style-type: none"> • 4-node P200/P100E3: Same object count limit as equivalent 3-node system.
		<ul style="list-style-type: none"> • 4-node X200 (2 twins): 5B objects. Also applies for 3-GEO, so a 3GEO X200 with 3 twins per GEO can store 30B objects.
Maximum number of files	Same as the maximum number of objects, provided that the files are written in 1 MiB increments on average. Highly fragmented files will lower this limit.	Same as the maximum number of objects, provided that the files are written in 1 MiB increments on average. Highly fragmented files will lower this limit.
Maximum part size for multipart	5GB	5GB
Minimum part size for multipart	5MB	5MB
Maximum number of parts	10,000	10,000

System Limit Description	P100 and X100	Converged Node (P100E3, X200, P200, Z200)
Maximum object size	Non-multipart - Approximately 5GB Multipart - Approximately 50TB or 10,000 5GB parts	Non-multipart - Approximately 5GB Multipart - Approximately 50TB or 10,000 5GB parts
Maximum file size	16TiB	16TiB
Maximum bucket size	A single bucket can span the entire system. The maximum bucket size is the maximum number of objects, which in turn depends on system capacity.	A single bucket can span the entire system. The maximum bucket size is the maximum number of objects, which in turn depends on system capacity.
Maximum number of connections per System Node	1500, for a total of 4500 per rack with 3 System Nodes.	<ul style="list-style-type: none"> • 3 nodes: 750, for a total of 2250 connections for the entire system. • 4 nodes (2 X200 twins): 1000, for a total of 4000 connections for the entire system. • 5 nodes: 1250, for a total of 6250 connections for the entire system. • 6 or more nodes (3 or more X200 twins): 1500.
Maximum supported latency, or round trip time between sites	200 milliseconds	200 milliseconds
Maximum number of NFS exports across all UDA volumes	65,535	65,535
Maximum number NFS clients mounts	4096 per System Node on P100 or 8196 per System Node on X100	X200/Z200: 8192 per node P100E3 / P200: 4096 per node

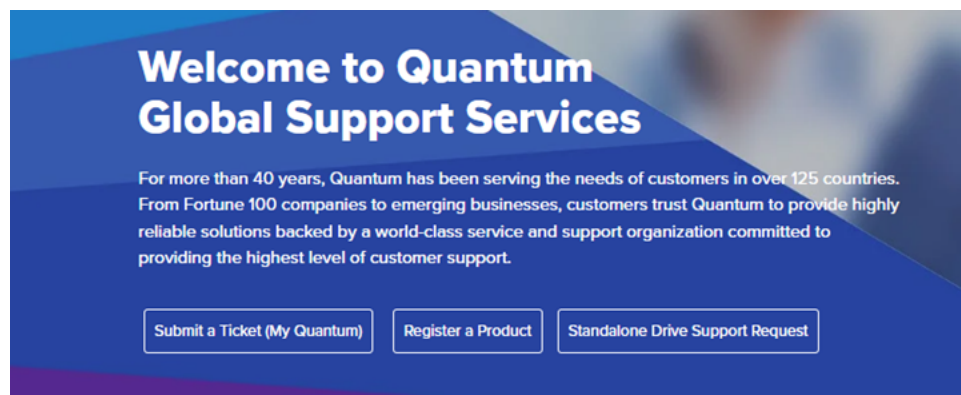
Contacting Quantum Support

Below is information related to contacting Quantum Support as well as steps to improve your Quantum customer journey.

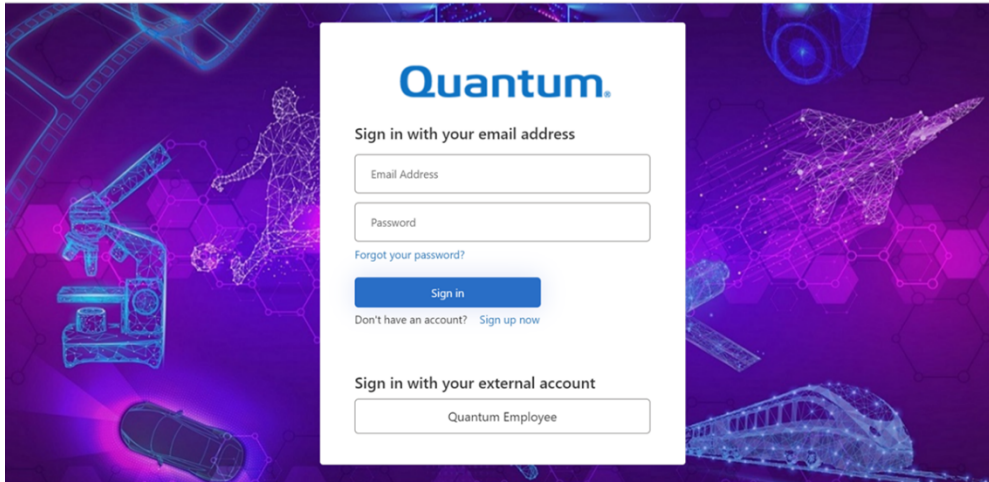
- [Submit a Ticket \(Service Request\) below](#)
- [Use MyQuantum Service Delivery Platform on the next page](#)
- [Use Cloud Based Analytics \(CBA\) on page 8](#)
- [Escalate a Case on page 8](#)
- [Contact Quantum Sales on page 8](#)

Submit a Ticket (Service Request)

If you need to submit a ticket or speak to Quantum technical support, go to the Support page at <https://www.quantum.com/en/service-support/>



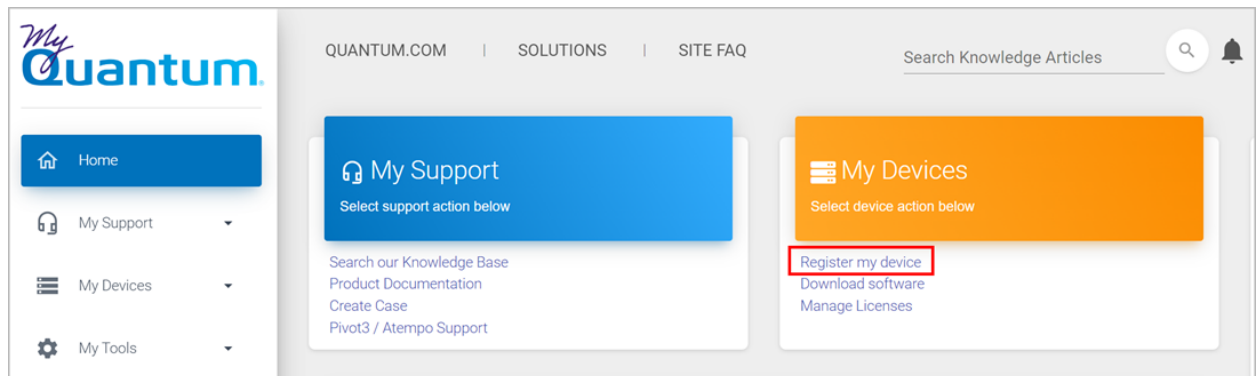
To start the process with Quantum Technical Support, click **Submit a Ticket**. From here, sign in to the MyQuantum Service Delivery Platform or create an account. For more information, refer to the [Use MyQuantum Service Delivery Platform on the next page](#) section below.



Use MyQuantum Service Delivery Platform

MyQuantum is a single portal for everything Quantum. You can view assets, open support cases, receive real-time updates, and search the Knowledge Base and documentation, all through a secure, online portal.

1. Create an account and log in to the [MyQuantum Service Delivery Platform](#).
2. Register a product on [MyQuantum](#).



3. Request site access to the Cloud-Based Analytics (CBA) monitoring portal and follow the instructions to set up product(s) to connect to CBA. You can use CBA to monitor Quantum products remotely, from a single dashboard, and Quantum Support can use it to help troubleshoot products more efficiently.

Refer to product documentation for product-specific information related to CBA.

Use Cloud Based Analytics (CBA)

Quantum products are equipped with a Cloud Based Analytics (CBA) agent that can provide log files and snapshots to Quantum CBA servers that are running in the cloud.

CBA enables Quantum systems to collect data regarding system and environment performance. The collected data is bundled and uploaded to the remote CBA server for analysis. You can access Quantum system performance and health results on the CBA dashboard (at <https://insight.quantum.com>) or through the MyQuantum Service Delivery Platform.

The CBA dashboard displays the analytic results of the uploaded CBA data using flexible charting tools, along with an overall health score of each Quantum system configured for the CBA account.

Escalate a Case

To escalate a case, follow the process documented here: <https://www.quantum.com/en/service-support/resources/escalation/>

Contact Quantum Sales

<https://www.quantum.com/en/company/contact-us/>



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