

Azure Stack Hub 1908 release notes

Azure Stack Hub release notes

This article describes the contents of Azure Stack Hub update packages. The update includes improvements and fixes for the latest release of Azure Stack Hub.

To access release notes for a different version, use the version selector dropdown above the table of contents on the left.

Update planning

Before applying the update, make sure to review the following information:

- [Known issues](#)
- [Security updates](#)
- [Checklist of activities before and after applying the update](#)

For help with troubleshooting updates and the update process, see [Troubleshoot patch and update issues for Azure Stack Hub](#).

Download the update

You can download the Azure Stack Hub update package using [the Azure Stack Hub update downloader tool](#).

The Azure Stack Hub 1908 update build number is **1.1908.4.33**.

Update type

For 1908, the underlying operating system on which Azure Stack Hub runs has been updated to Windows Server 2019. This update enables core fundamental enhancements and the ability to bring additional capabilities to Azure Stack Hub.

The Azure Stack Hub 1908 update build type is **Full**. As a result, the 1908 update has a longer runtime than express updates like 1906 and 1907. Exact runtimes for full updates typically depend on the number of nodes that your Azure Stack Hub instance contains, the capacity used on your system by tenant workloads, your system's network connectivity (if connected to the internet), and your system hardware configuration. The 1908 update has had the following expected runtimes in our internal testing: 4 nodes - 42 hours, 8 nodes - 50 hours, 12 nodes - 60 hours, 16 nodes - 70 hours. Update runtimes lasting longer than these expected values aren't uncommon and don't require action by Azure Stack Hub operators unless the update fails.

For more information about update build types, see [Manage updates in Azure Stack Hub](#).

- Exact update runtimes typically depend on the capacity used on your system by tenant workloads, your system network connectivity (if connected to the internet), and your system hardware configuration.
- Runtimes lasting longer than expected aren't uncommon and don't require action by Azure Stack Hub operators unless the update fails.
- This runtime approximation is specific to the 1908 update and shouldn't be compared to other Azure Stack Hub updates.

What's new

- For 1908, note that the underlying operating system on which Azure Stack Hub runs has been updated to Windows Server 2019. This update enables core fundamental enhancements and the ability to bring additional capabilities to Azure Stack Hub.
- All components of Azure Stack Hub infrastructure now operate in FIPS 140-2 mode.
- Azure Stack Hub operators can now remove portal user data. For more information, see [Clear portal user data from Azure Stack Hub](#).

Improvements

- Improvements to data at rest encryption of Azure Stack Hub to persist secrets into the hardware Trusted Platform Module (TPM) of the physical nodes.

Changes

- Hardware providers will be releasing OEM extension package 2.1 or later at the same time as Azure Stack Hub version 1908. The OEM extension package 2.1 or later is a prerequisite for Azure Stack Hub version 1908. For more information about how to download OEM extension package 2.1 or later, contact your system's hardware provider, and see the [OEM updates](#) article.

Fixes

- Fixed an issue with compatibility with future Azure Stack Hub OEM updates and an issue with VM deployment using customer user images. This issue was found in 1907 and fixed in hotfix [KB4517473](#)
- Fixed an issue with OEM Firmware update and corrected misdiagnosis in Test-AzureStack for Fabric Ring Health. This issue was found in 1907 and fixed in hotfix [KB4515310](#)
- Fixed an issue with OEM Firmware update process. This issue was found in 1907 and fixed in hotfix [KB4515650](#)

Security updates

For information about security updates in this update of Azure Stack Hub, see [Azure Stack Hub security updates](#).

The Qualys vulnerability report for this release can be downloaded from the [Qualys website](#).

Download the update

You can download the Azure Stack Hub 1908 update package from [the Azure Stack Hub download page](#).

Hotfixes

Azure Stack Hub releases hotfixes on a regular basis. Be sure to install the latest Azure Stack Hub hotfix for 1907 before updating Azure Stack Hub to 1908.

Azure Stack Hub hotfixes are only applicable to Azure Stack Hub integrated systems; don't attempt to install hotfixes on the ASDK.

Prerequisites: Before applying the 1908 update

The 1908 release of Azure Stack Hub must be applied on the 1907 release with the following hotfixes:

- [Azure Stack Hub hotfix 1.1907.29.80](#)

The Azure Stack Hub 1908 Update requires **Azure Stack Hub OEM version 2.1 or later** from your system's hardware provider. OEM updates include driver and firmware updates to your Azure Stack Hub system hardware. For more information about applying OEM updates, see [Apply Azure Stack Hub original equipment manufacturer updates](#)

After successfully applying the 1908 update

After the installation of this update, install any applicable hotfixes. For more information, see our [servicing policy](#).

- [Azure Stack Hub hotfix 1.1908.51.133](#) ::: moniker-end