

Infinio Accelerator

Release Notes

Infinio Accelerator

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Infinio Accelerator 4.0.6

Release Notes 4.0.6

Release Notes for Infinio™ Accelerator® 4.0.6

These *Release Notes* describe known problems and constraints that apply to Infinio™ Accelerator®, 4.0.6, which has the following build identifiers:

- Build version: 4.0.6.15694
- I/O Filter version: 4.0.5.2426

You can obtain information about component versions in the Management Console UI, including a Filter Diagnostic report that includes the I/O Filter ID string.

See the *Installation and Upgrade Guide* for information about installing the Infinio Management Console VM and the Infinio I/O Filter.

See the *Operations Guide* for information that describes Accelerator product features and explains how to use Infinio Accelerator.

Obtaining Technical Support

If you cannot resolve a problem after viewing the release note information, contact Infinio support

ESXi Required Patch Levels

This release of Accelerator supports only 6.0 Update 2 or later releases. To correct a known VMware problem, you must apply the following patch:

- ESXi 6.0 Express Patch 6 build 3825889

(Or any subsequent patch that superseded this patch.)

Without this patch there is a risk that creating or deleting an accelerated VM snapshot might cause data inconsistencies in the related VMDK.

If any ESXi hosts in your environment do not contain the correct patch level, Accelerator detects the non-compliant host, giving you the opportunity to install the required VMware patch level before you set up the cluster.

It is strongly advised to upgrade ESXi in production environments.

Changes in this Release

Version 4.0.6, with 4.0.5 I/O filter (2021-04-27)

Minor enhancements in this release:

- The user is now able to regenerate a new self-signed certificate on the Settings page.
- When the SSD cache initialization is in progress, a percentage will now show up in the Cache Adjustment page.
- When the RAM cache is resized, the dialog will show smooth progress (instead of staying at 10%) when the I/O filter is allocating or deallocating RAM.

Others changes in this release:

- Fixed a UI issue where the close button of some dialogs is not responsive in certain situations.
- The UI performance in the case of many running tasks was greatly improved.
- In the History page, the VMs without data are now sorted in the alphabetic order by default.

Version 4.0.5 (2021-03-25)

This release comes with a new certified I/O filter, with the following changes:

- This I/O filter was built with VAIODK 6.5, so it will not run on vSphere 6.0.
- Fixed an issue that the I/O filter daemon crashes when it is uninstalled in the middle of cache-resizing.
- Removed a number of unused dependencies to reduce the size of the I/O filter binary.
- A number of minor improvements.

Other changes:

- Updated management console dependencies; in particular, the H2 database is upgraded from 1.4.196 to the latest stable version 1.4.199.

Version 4.0.4, with 4.0.0 I/O filter (2020-12-22)

The change in this release:

- Bug fix: for 4.0.0 to 4.0.3 builds, the installer fails to set a static IP address for the management console under certain circumstances. This issue happens only when a static IP address is specified and no DHCP server is running in the sub-network at the time of the installation.

Version 4.0.3, with 4.0.0 I/O filter (2020-09-30)

The changes in this release:

- Bug fix: the error indicators in the "Storage policies" button and "VMs" button do not appear immediately on error.
- Fixed two issues in the cluster compatibility dialog for automatic cache sizing.
- The /var volume in the management console VM can now be extended automatically if its VMDK is expanded. The feature was available in Accelerator 3.x.x but missing in Accelerator 4.0.0-4.0.2.

Version 4.0.2, with 4.0.0 I/O filter (2020-09-21)

The change in this release:

- Bug fix: the error message "I/O filter requires cache size adjustment" still shows after the management console has changed the cache sizing mode of a cluster to dynamic.

Version 4.0.1, with 4.0.0 I/O filter (2020-05-11)

Changes in this release:

- Bug fix: datastores in the maintenance mode will no longer show up in the installer.
- Upgraded Tomcat to 8.5.50.

Version 4.0.0 (2019-12-03)

Major features and changes in this release:

- **Dynamic RAM cache size:** Users are now able to switch to a dynamic mode when configuring the RAM cache size.
With dynamic RAM cache, the size of RAM cache is automatically adjusted according to the amount of available memory on each host. This feature does not affect the settings of SSD cache.
- **Management console OS updates:** The guest operating system for the management console was upgraded to Ubuntu Linux 18.04 LTS.

Note: Earlier Infinio Accelerator releases (3.x) were distributed with Ubuntu 14.04 LTS. As the public support of this version of Linux has ended, you will not be able to upgrade a 3.x management console to 4.0 or to any later releases. If you currently have a running 3.x management console, you must install a new 4.0.6 management console alongside the running 3.x management console. A 4.0.6 management console will be able to talk with previously installed 3.x I/O filters. The same license you used for 3.x will still work with 4.0.6. You can then upgrade the Infinio I/O filters on all clusters with the newly installed 4.0.6 management console. After all clusters are upgraded successfully, you may shutdown and archive the 3.x management console as a backup.

For the same reason, no upgrade package is provided for this release. Future releases will include upgrade packages, but those upgrade packages will be rejected by Infinio Accelerator 3.x.x.

Other features:

- Users can now add a note for the VM types in a Feedback Panel. This feature can be enabled and disabled in the Settings page. The notes will help Infinio to diagnose performance issues and make optimizations in the future.
- Management console is now able to push alerts to vCenters. Users will be able to see Infinio-related alerts with vCenter web clients.

Enhancements and bug fixes:

- Added a banner to warn user that I/O filters are not compatible with instant clones on vSphere 6.7.
- Updated the support phone number: a 800 number for US customers and a different number for international customers.
- Fixed a rare race condition when I/O filter daemon is shutting down.
- Enhancement: RAM cache will be set to the maximum (1TiB) if more than this amount is requested.
- Enhancement: I/O filter daemon will be able to restart in a few minutes if all worker threads are blocked for some reason.
- Enhancement: Additional information in daemon logs in case of crashing.
- Fixed a performance issue for a large amount of RAM cache.
- Upgraded a number of third-party libraries in the management console.
- Enhancement: Users can now select multiple VMs using shift and mouse click.
- Enhancement: Users will now be warned if they install the I/O filter to a cluster but do not change cache settings.
- Enhancement: In the support page, "Latest Bundle Location" is changed to "Current I/O Filter Installation URL".
- Enhancement: Minor changes to the way hosts are displayed in the upgrade page.
- Enhancement: UI improvements for showing a large number of VMs.
- Enhancement: Better handling of unusual auto-support failures in the installer.
- Improved the license handling logic in the management console.
- Enhancement: Better messages for I/O filter removal.
- Enhancement: A warning is shown in the top banner if vCenter is not configured.
- Fixed a possible issue about blocked task execution in the management console.