

IBM Storage Device Driver for VMware VAAI
Version 1.3.0

Release Notes



Second Edition (July 2013)

This edition applies to version 1.3.0 of the IBM Storage Device Driver for VMware VAAI software package. Newer editions may be issued for the same product version in order to add missing information. The edition is reset to 'First Edition' for every new product version.

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Overview

The IBM® Storage Device Driver for VMware VAAI is a software plug-in that integrates with the VMware ESX 4.1 and ESXi 4.1 environments, as part of the VMware vStorage APIs for Array Integration (VAAI).

The IBM software plug-in consists of a kernel module that reports to the VMware VAAI driver and allows offloading extended VMware operations to supported IBM storage systems.

You can download the IBM Storage Device Driver for VMware VAAI software package at any time from the IBM Fix Central website (www.ibm.com/support/fixcentral).

Compatibility and requirements

This section specifies the compatibility and requirements of version 1.3.0 of the IBM Storage Device Driver for VMware VAAI.

Supported storage systems

The IBM Storage Device Driver for VMware VAAI supports different IBM storage systems, as listed in the following table.

Storage system	Microcode version
IBM Flex System™ V7000	7.1.0
IBM Storwize® V7000	6.2.0, 6.3.0, 6.4.x 7.1.0
IBM Storwize V7000 Unified	1.4.x
IBM System Storage® SAN Volume Controller	6.2.0, 6.3.0, 6.4.x 7.1.0
IBM System Storage DS8000®	7.1.0
IBM XIV® Storage System	10.2.4.a or later in the 10.2.4.x version series 11.0.x, 11.1.x, 11.2.x

Required software on the host

The IBM Storage Device Driver for VMware VAAI requires VMware ESX 4.1 or ESXi 4.1 to be installed on the host system (ESX or ESXi server).

Note: VMware ESXi 5.0 or later already includes built-in drivers that support IBM storage systems. The IBM Storage Device Driver for VMware VAAI is required only if you are using ESX 4.1 or ESXi 4.1.

Change log

This section summarizes the changes made in different version releases of the IBM Storage Device Driver for VMware VAAI.

Version 1.3.0 (June 2013)

Version 1.3.0 introduces support for IBM System Storage DS8000, IBM Flex System V7000, IBM Storwize V7000 Unified, and for newer microcode versions of the already supported storage systems.

Version 1.2.0.1 (February 2012)

Version 1.2.0.1 included the following fix.

Ticket ID	Description
VAAI-172973	Fixed: In some rare cases, XIV, Storwize V7000, or SAN Volume Controller storage systems cannot be claimed by the IBM Storage device driver.

Version 1.2.0 (June 2011)

Version 1.2.0 introduced support for IBM Storwize V7000 and IBM System Storage SAN Volume Controller, in addition to the IBM XIV Storage System that was supported in the previous version.

Version 1.1.0.1 (April 2011)

Version 1.1.0.1 was the initial version that introduced the offloading of the following VMware extended operations to the IBM XIV Storage System:

- Full copy (clone)
- Block zeroing
- Hardware-assisted locking

For more information about these operations, refer to the Introduction topic.

Known issues

Version 1.3.0 of the IBM Storage Device Driver for VMware VAAI has no known issues.

Related information and publications

You can find additional information related to the IBM Storage Device Driver for VMware VAAI on the following information resources.

- IBM Storage Host Software Solutions Information Center (publib.boulder.ibm.com/infocenter/strhosts/ic)
- IBM Flex System Information Center (publib.boulder.ibm.com/infocenter/flexsys/information)
- IBM SAN Volume Controller Information Center (publib.boulder.ibm.com/infocenter/svc/ic)
- IBM Storwize V7000 Information Center (publib.boulder.ibm.com/infocenter/storwize/ic)
- IBM Storwize V7000 Unified Information Center (publib.boulder.ibm.com/infocenter/storwize/unified_ic)
- IBM System Storage DS8000 Information Center (publib.boulder.ibm.com/infocenter/dsichelp/ds8000ic)
- IBM XIV Storage System Information Center (publib.boulder.ibm.com/infocenter/ibmxiv/r2)

- VMware VAAI website (www.vmware.com/products/vstorage-apis-for-array-integration)

Getting information, help, and service

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- IBM website (ibm.com[®])
- IBM Support Portal website (www.ibm.com/storage/support)
- IBM Directory of Worldwide Contacts website (www.ibm.com/planetwide)

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