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Update for data deduplication to improve scalability in Windows Server 2012 R2

Article ID: 2959146 - [View products that this article applies to](#).

This article describes issues when you run data deduplication in Windows Server 2012 R2. An update is available to resolve these issue. Check out the list of .

Issues fixed in this update

- Assume that the volume space that is used is around 1.2 terabytes (TB), and the data deduplication job uses at least 6.5 gigabytes (GB) of memory. In this situation, the job stays at 100 percent for several minutes, and a new job cannot be started.
- Assume that you try to run deduplication on a Cluster Shared Volumes (CSV) volume in a Windows Server 2012 R2 failover cluster. Data Protection Manager (DPM) is enabled to protect the failover cluster. When you run data deduplication, it fails.
- Assume that multiple data deduplication jobs are queued together, and the job initialization needs more than 5 seconds. In this situation, these jobs cannot be started together.
- Assume that you try to run deduplication on a CSV volume in a Windows Server 2012 R2 failover cluster. DPM is enabled to protect the failover cluster. You have a large file that ran data deduplication previously. When you run data deduplication again, it runs slowly.
- Assume that you have a file server that is running Windows Server 2012 R2, and data deduplication is running. When multiple write operations occur on the file from different resources (for example, from local and from remote shares), the file server may crash.
- Assume that you try run data deduplication on a CSV volume in a Windows Server 2012 R2 failover cluster. A data deduplication process (for example, paging I/O) may take more time than expected. The CSV volume is paused and unavailable.

Resolution

To resolve this issue, install update rollup 2962409. For more information about how to obtain this update rollup package, click the following article number to view the article in the Microsoft Knowledge Base:

[2962409](http://support.microsoft.com/kb/2962409) (http://support.microsoft.com/kb/2962409/) Windows RT 8.1, Windows 8.1, and Windows Server 2012 R2 update rollup: June 2014

Status

Microsoft has confirmed that this is a problem in the Microsoft products that are listed in the "Applies to" section.

More information

For more information about software update terminology, click the following article number to view the article in the Microsoft Knowledge Base:
[824684](http://support.microsoft.com/kb/824684) (http://support.microsoft.com/kb/824684/) Description of the standard terminology that is used to describe Microsoft software updates

For more information about date deduplication, go to the following Microsoft website:

[General information about data deduplication](http://technet.microsoft.com/library/hh831602.aspx) (http://technet.microsoft.com/library/hh831602.aspx)

Properties

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Applies to

- Windows Server 2012 R2 Essentials
- Windows Server 2012 R2 Datacenter
- Windows Server 2012 R2 Foundation
- Windows Server 2012 R2 Standard

Keywords: kbqfe kbfixed kbsurveynew kbexpertiseadvanced kbhotfixserver KB2959146