

Protect your environment against Spectre and Meltdown

2025

StarWind Documents



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Technical Support and Services

If you have questions about installing or using this software, check this and other documents first - you will find answers to most of your questions on the [Technical Papers](#) webpage or in [StarWind Forum](#). If you need further assistance, please [contact us](#) .

About StarWind

StarWind is a pioneer in virtualization and a company that participated in the development of this technology from its earliest days. Now the company is among the leading vendors of software and hardware hyper-converged solutions. The company's core product is the years-proven StarWind Virtual SAN, which allows SMB and ROBO to benefit from cost-efficient hyperconverged IT infrastructure. Having earned a reputation of reliability, StarWind created a hardware product line and is actively tapping into hyperconverged and storage appliances market. In 2016, Gartner named StarWind “Cool Vendor for Compute Platforms” following the success and popularity of StarWind HyperConverged Appliance. StarWind partners with world-known companies: Microsoft, VMware, Veeam, Intel, Dell, Mellanox, Citrix, Western Digital, etc.

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Intel overview of the issue:

<https://www.intel.com/content/www/us/en/architecture-and-technology/facts-about-side-channel-analysis-and-intel-products.html>

Microsoft Windows Server guidance to protect against speculative execution side-channel vulnerabilities:

<https://support.microsoft.com/en-us/help/4072698/windows-server-guidance-to-protect-against-the-speculative-execution>

Resolution

The decision on updates and fixes installation should be confirmed and allowed by your company's IT security representative. As per Intel and Microsoft explanations, "performance on some workloads or benchmarks may be impacted and will vary depending on the microprocessor and platform configuration (hardware and software). While some specialized workloads may see a noticeable performance impact, for most users any impact will be modest". "In some systems, the performance impact will be negligible, and in others it will be considerable." Since StarWind VSAN works on top of the Windows Server OS, performance of StarWind devices could be impacted subsequently. Our tests demonstrated no negative performance impact on StarWind HA devices after installing cumulative update 4056890 on Windows Server 2016. To estimate possible performance impact on the Production after installing OS updates, please check the current Production workload and hardware specs, and define whether any potential performance loss might be acceptable for your environment.








More Information

<https://support.microsoft.com/en-us/help/4056890>

Request A Product Feature

To request a new product feature or to provide feedback on a StarWind product, please send an email to support@starwind.com and put "Product Feature Request" in the subject line.

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