

# IOmeter set of tests

2025

StarWind Documents



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## 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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## Test Specifications And Configuration

Below is the list of the basic test and its configuration and its specification:

- RAID array on node 1
- RAID array on node 2
- StarWind RAM disk that is running on node1 through the SyncChannel (node2 should be client machine)
- StarWind RAM disk that is running on node2 through the SyncChannel (node1 should be client machine)
- StarWind RAM disk that is running on node1 through the loopback
- StarWind RAM disk that is running on node2 through the loopback
- Basic Image target that is running on node1 through the SyncChannel (node2 should be client machine)
- Basic Image target that is running on node2 through the SyncChannel (node1 should be client machine)
- Basic Image without cache configured that is running on node1 through the loopback
- Basic Image without cache configured that is running on node2 through the loopback
- HA device without cache configured (you should run in from the VM as you previously did)

Every test may have following configurations:

- 4K 100% read, 100% sequential, # of Outstanding IOPS= 16
- 4K 100% write, 100% sequential, # of Outstanding IOPS=16
- 64K 100% read, 100% sequential, # of Outstanding IOPS= 16
- 64K 100% write, 100% sequential, # of Outstanding IOPS= 16








## See Also

[Benchmarking Best Practices](#)

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