TEST REPORT

Tolly.

#214110-Preview

February 2014

Commissioned by Sophos LTD.

Sophos Antivirus for vShield v1.0

VMware ESXi 5.5: Database, File Server, and Web Application Server Performance vs Trend Micro Deep Security and McAfee MOVE Agentless

EXECUTIVE SUMMARY

A key element in the explosive growth of virtualization is the ability to drive the physical server hardware to higher, and more cost-efficient, utilization levels.With that in mind, it is important that server resources are not wasted by overly demanding security solutions.

Sophos commissioned Tolly to evaluate its Antivirus for vShield v1.0 solution and compare its performance vs McAfee MOVE Agentless 3.0 and Trend Micro Deep Security 9 across a range of VMware-based Microsoft Server 2008 virtual server environments encompassing web application, database and file services.

The Sophos solution demonstrated consistently better performance and, by inference, lower system resource demands than the McAfee and Trend Micro solutions. See Figures 1 and 2.

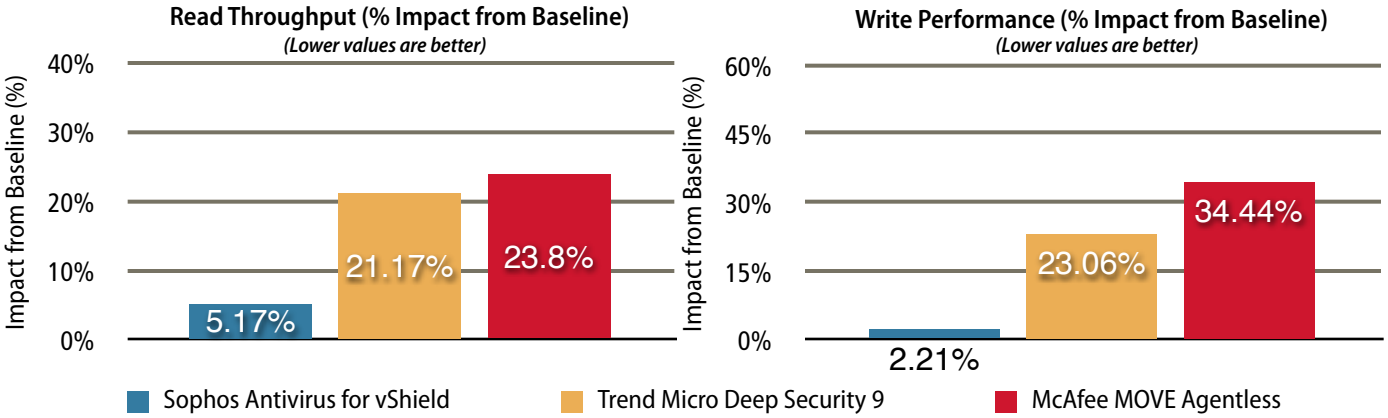
This document is a preview of Tolly document #214110. Please refer to that document for full details. To be published March 2014.

THE BOTTOM LINE

Sophos Antivirus for vShield 1.0 provides:

1. Better server throughput and response time than other solutions tested
2. Higher transaction rates and lower response time on Magento web/database application
3. Higher file read/write performance on Microsoft Server 2008 R2 environment

VMware ESXi 5.5 vShield-Enabled Server Workload Performance
Windows Server 2008 R2 CIFS File Server Performance
as reported by LoadDynamix TDE 3.2



Note: Microsoft Server 2008 R2 Install with File services role installed. A nested 72.4GB file set used for read transactions. Client load emulated by LoadDynamix TDE 3.2, requesting approximately 9:1 Read/Write transactions. Tests run over span of 1 hour. Lower impact from baseline is better. Baseline Read throughput 43.77MB/s, write throughput, 4.9MB/s

Source: Tolly, February 2014

Figure 1

SOPHOS

Security made simple.

Sophos LTD.

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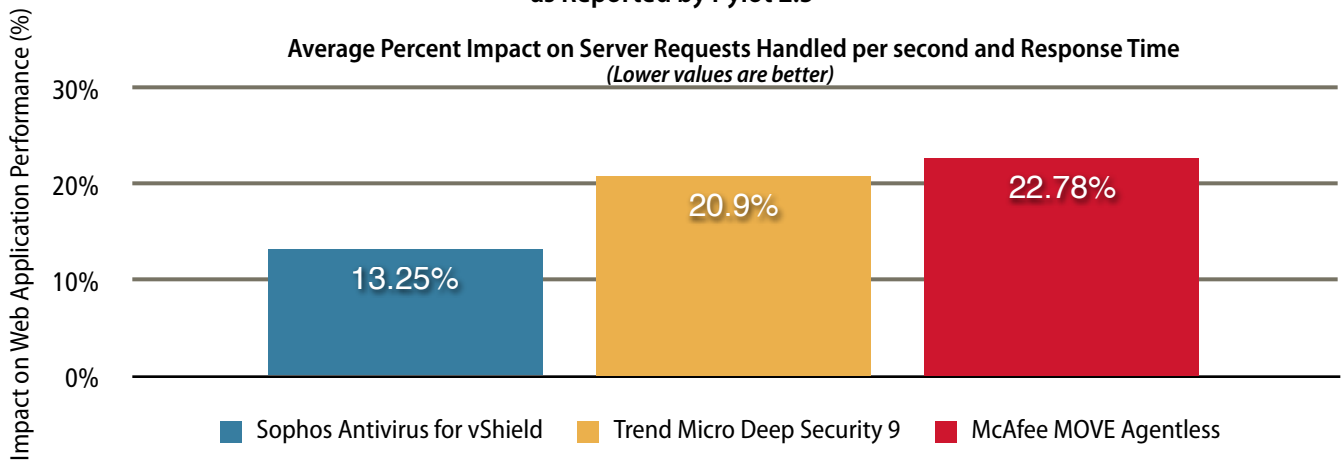
Sophos Antivirus for vShield

Database, File, and Web Application Server Performance

Tolly. Certified

Tested February 2014

VMware ESXi 5.5 vShield-Enabled Server Workload Performance
Throughput and Response Time Impact Running Magento e-Commerce Web Application
as Reported by Pylot 2.5



Note: Microsoft Server 2008 R2 Install with MySQL 5.1 Database, PHP Zend Server front-end. Pylot configured to emulate 20 clients, concurrently requesting a set of 10 URLs. Test traffic driven by Ubuntu 12.04 LTS 64-bit VM. Tests run over span of 1 hour. Results are from a single test, thus impact from baseline is identical for both graphs. Lower impact from baseline is better. Baseline data, Throughput: 5.99 Rps, 3.346 Second response time.

Source: Tolly, February 2014

Figure 2

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