

Test equipment specialist integrates Software Defined Storage solution with Open-E

COMPRION trusts in High Availability solution with ZFS-based Open-E JovianDSS

COMPRION is a world leader in manufacturing test solutions for terminals and smart cards. The company's test systems are well-known for their precise measurement and testing capabilities which is why COMPRION cooperates with a variety of customers, such as handset, card and chipset manufacturers as well as mobile network operators, and test houses.



Challenges

COMPRION has already been using a Software Defined Storage solution to manage all business-critical data. Their solution consisted of approx. 100 virtual machines based on three pools (1 x 300GB SAS, 1 x 600GB SAS, 1 x 2TB SATA). But the biggest problem was the fact that the existing Storage Management Software caused massive downtimes because the combination of hardware and software turned out to be not compatible, for example, failed disk drives were not detected. Additionally, the usability of the solution was far from intuitive. Despite an on-site training of the software manufacturer, these problems could not be solved.

Solution

As the existing hardware reached the end of its life cycle, COMPRION started to look for a new solution and approached Open-E Partner Boston Server & Storage Solutions from Germany. They were to deliver new hardware and integrate the old servers with the new environment. When Boston heard of the issues regarding the current software, they recommended testing the ZFS- and Linux-based Open-E JovianDSS software with a trial version. And COMPRION was convinced immediately.

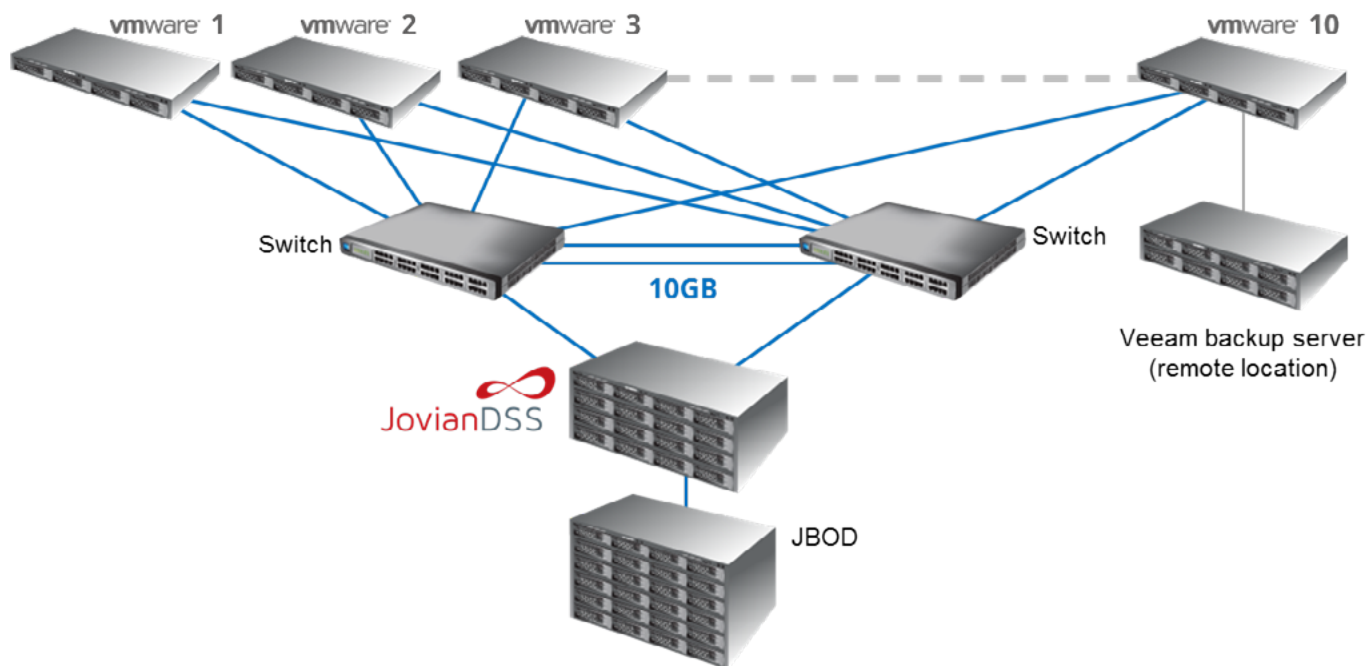
With the new storage solution the company was able to gain more capacity, to improve performance significantly and to reduce the latency. Capacity was saved due to a new setup with two pools (1 x 600 SAS, 1 x 2TB SATA) instead of the previous three. Also, the protocol was switched from NFS to iSCSI with the new solution which also increased the performance of the system.

Especially ZFS functionalities such as thin provisioning, compression and synchronization are now frequently used by COMPRION. This way, the high-performing solution provides even more data safety and reliability.

Hardware setup

The Software Defined solution with Open-E JovianDSS is based on an Open-E Certified Storage Server from Boston Server & Storage Solutions. The Igloo 4U-24T-Stor consists of two Intel® Xeon® processors E5-2630 v3 2.40GHz as well as 12 certified 8GB DDR4 2133MHz ECC registered. The raw capacity is 22TB. 10 VMware hosts were integrated via vSphere 5.5.

Setup with Open-E JovianDSS



Benefits

Sebastian Wegener, IT Administrator at COMPRION:

"We are absolutely happy with our new Software Defined solution. The intuitive interface of Open-E JovianDSS is much easier to use than the previous one. The administrative effort could also be reduced significantly. Implementing the software was very easy as it was similar to our old storage environment. Moving the data during ongoing operations also worked very well by using vCenter and caused no downtime at all."

About COMPRION

COMPRION is the worldwide leading manufacturer of test solutions for terminals and smart cards covering contact-based and contactless technologies. Our standardization activities enable us to integrate the latest standards into our products. As COMPRION systems are renowned for precise measurement capabilities, the company serves all top handset, card, chipset manufacturers, mobile network operators, and test houses. For further information, please contact info@comprion.com

About Open-E

Open-E is a well-established developer of IP-based storage management software. Open-E JovianDSS and Open-E DSS V7 are robust, award-winning enterprise storage applications which offer excellent compatibility with industry standards, and are the easiest to use and manage. Additionally, they are some of the most stable solutions on the market and undisputed price performance leaders. Open-E accounts for over 27,000 installations world-wide and has received numerous industry awards and recognition. Thanks to its reputation, experience and business reliability, Open-E has become the technology partner of choice for industry-leading IT companies. For further information about Open-E, its products and partners, visit www.open-e.com