

CUSTOMER SUCCESS STORY: STEADFAST ENABLES COMPANY TO IMPROVE LATENCY, PERFORMANCE, AND RELIABILITY



INDUSTRY: IT Services / Trading and Financial Services

Goal:

- Faster connectivity and response times
- Business continuity

Challenge:

- Outdated virtualization technologies
- RAM intensive custom applications

Solution

- High-speed DDR4 memory
- Upgraded hypervisors
- Redundant server cluster

Results

- Faster system response times
- Tripled their capacity
- Enabled a reduction in data center footprint to save costs

Profile

Customer is a managed service provider with solutions that support small to mid-sized financial services firms, specifically targeting registered investment advisors (RIA).

Challenge

Customer required faster network connectivity and response times, but was leveraging 5-year old virtualization technologies that lacked high availability fail-over. This situation exposed risks for a possible outage that would impact service reliability to their customers and result in a negative financial impacts, as well as damage to the reputation of the business.

Solution

During initial exploratory conversations with the customer, Steadfast asked to do a complimentary assessment. Through an analysis of the customer's usage metrics, the Steadfast IT team was able to determine that the customer was utilizing very RAM intensive applications that were slowing down their performance.

Steadfast recommended and developed a solution that placed primary focus on high-speed DDR4 memory, which resulted in significantly faster performance for their applications. Their basic virtualization model was strengthened by upgrading their hypervisor platforms from Microsoft® Windows Server® 2012 to Server 2016. Additionally, Steadfast designed and implemented an improved high-availability fail-over architecture to protect against component failure. Steadfast set up a redundant server cluster to ensure transparent business continuity in the event of a hardware failure.

Results

With a small increase in their monthly spend, customer achieved faster system response times with triple their original functional capacity. They were able to reinforce their uptime in the event of a hardware failure, and positioned them to save costs by reducing their technology footprint in other, more expensive data centers.



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