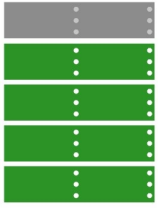


STHREE STOPS GUESSING AND TAKES ACTION TO ACHIEVE 90% UTILIZATION WITH TURBONOMIC



Achieved 90% Utilization

+



Avoided Unnecessary Purchases

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Confidence in the Health of their Environment



SITUATION

For more than 28 years, SThree has been a world leader in the recruitment industry providing quality specialist staffing solutions and offering expertise in high-value niches including ICT, Finance, Engineering and Life Sciences among others. Headquartered and founded in the UK, SThree now has 45 offices in 18 countries and serves more than 7,000 clients worldwide.

Paul Smerkinich, IT Infrastructure Manager at SThree, is a seasoned IT professional with more than 15 years of experience in the industry. Smerkinich oversees the company's three data centers, each housing a collection of HP blade servers, connected to NetApp® SAN storage and Cisco® networking. With approximately 550 virtual machines (VMs) distributed across 15 hosts, SThree's environment is more than 80% virtualized. Smerkinich leverages VMware vSphere® Enterprise Plus Edition™ across his environment.

While attempting to further leverage the capabilities of both NetApp and vSphere across their environment, Smerkinich and his team had difficulty addressing the problems they were facing in assuring application performance. They were also ill-equipped to proactively plan for the future. "We were struggling to achieve even 75% utilization, we needed higher density and greater visibility," said Smerkinich. "We had no real planning tool and could only guess at the effects any growth or change would have on our business."

"The tools we were using to monitor our environment just were not granular enough, we couldn't see the effects of our storage on our VMware environment or vice versa," said Smerkinich. "They were clunky, expensive, took up a great deal of server space and did very little in terms of creating positive change in our system."

"We no longer have to babysit our system because we know exactly what's going on in there. We have more confidence as a team."

– Paul Smerkinich, IT Infrastructure Manager

COMPANY

SThree
www.sthree.com

CHALLENGES

- *Inability to guarantee performance of mission-critical applications in complex virtual environment with existing tools*
- *Inconsistent Quality of Service (QoS) and disruption of virtualized workloads*
- *Unable to prepare for growth*

TURBONOMIC SOLUTION

- *Turbonomic intelligently and automatically senses changes to application demand and adjusts infrastructure supply in real-time to improve utilization and ensure service delivery*

STHREE STOPS GUESSING AND TAKES ACTION TO ACHIEVE 90% UTILIZATION WITH TURBONOMIC

In late 2013, Smerkinich received a call from Turbonomic. "I don't normally pick up cold calls," he said. "But I took that call and I'm sure glad I did." Turbonomic quickly became the frontrunner in SThree's hunt for greater control over its environment.

Once up and running, Turbonomic immediately began making actionable recommendations through which to address the bottleneck issues Smerkinich was facing. "It took us less than 24 hours to start seeing the effects of Turbonomic within our environment, there wasn't any more guesswork," he said. "Straight away our application performance improved as workloads were right-sized across our entire system."

"NOT ONLY ARE WE AT 90% UTILIZATION BUT HAVE SAVED ON SOFTWARE LICENSING AND HARDWARE."

Since implementing Turbonomic, Smerkinich's environment has grown from 550 VMs to more than 620, all without increasing infrastructure supply. "We've achieved higher density per host thanks to Turbonomic," said Smerkinich. "We could never have been so efficient before and have increased our utilization from 75% to 90%."

Increased visibility and control led to higher VM density per host and thus fewer vSphere Enterprise licenses. "We avoided purchasing at least four CPU's worth of vSphere by increasing the density on our hosts," said Smerkinich. "Not to mention avoiding spending on additional hardware. Without the visibility Turbonomic gives us we would most assuredly be overspending and overprovisioning."

SIMPLE TO INSTALL AND EASY TO MANAGE

"One thing that stuck out to me was how simple it was to install and get started with," said Smerkinich. "We thought it could take weeks, not hours, to get myself and my team up to speed, that's an immediate return on our investment right there."

ABOUT TURBONOMIC

Turbonomic delivers an autonomic platform where virtual and cloud environments self-manage in real-time to assure application performance. Turbonomic's patented decision engine dynamically analyzes application demand and allocates shared resources to maintain a continuous state of application health.

Launched in 2010, Turbonomic is one of the fastest growing technology companies in the virtualization and cloud space. Turbonomic's autonomic platform is trusted by thousands of enterprises to accelerate their adoption of virtual, cloud, and container deployments for all mission critical applications.

RESULTS

- *Autonomic platform drives real time performance across a diverse environment*
- *Avoided purchase of additional hardware and software through increased utilization of 90%*
- *Eliminated configuration and capacity planning guesswork*

"We no longer have to guess at what sort of performance impact any actions might have on our environment--we have complete confidence in implementing changes."

Paul Smerkinich
IT Infrastructure Manager
SThree