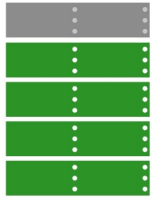


GEORGETOWN UNIVERSITY INCREASES UTILIZATION AND CONFIDENCE WITH TURBONOMIC



Improved Resource Utilization



Increased Team Confidence



Control Over Complex Virtual Environment



1789
GEORGETOWN UNIVERSITY

SITUATION

Established in 1789, Georgetown University is the nation's oldest Catholic and Jesuit university, and is one of the world's leading academic and research institutions. Located in Washington D.C., Georgetown is a private university, with more than 2,343 full- and part-time faculty members. The university has over 17,800 enrolled students throughout the undergraduate and graduate level programs.

Ron Nicholson, Sr. Systems Engineer, is responsible for the health and wellness of Georgetown's central data center, providing services to students and faculty university-wide. Nicholson and his team have been undergoing a full migration from their legacy Dell servers to Cisco® UCS blade servers. He leverages VMware vSphere® 5.5™ across his nearly 95% virtualized environment.

Georgetown University's data center was growing and changing, becoming increasingly complex to manage. Nicholson was seeing greater resource contention and receiving more end-user tickets, and needed to take control of his environment. "We had something in place outside of the native vCenter tools that we thought would be sufficient," said Nicholson. "The tool ultimately was not able to scale to our needs or provide the level of control we required, leading us to look for a new solution."

"Turbonomic is intuitive, easy to install and can scale seamlessly. It fits all our criteria and puts us back in charge of our environment."

– Ron Nicholson, Sr. Systems Engineer

"During our search we tested out a number of platforms including vCenter Operations Manager, and had pretty strict standards," said Nicholson. "Turbonomic was the only platform we tried that met all our criteria, had the strongest capabilities, was easy to use, and just so happened to be the most cost effective." Since deployment, Turbonomic has empowered Nicholson with the control he needs to run a successful data center. "Turbonomic quickly remediated the issues we were seeing and is an integral part of our VMware environment management," said Nicholson. "We no longer waste valuable time firefighting and it's clear to me that other departments are taking notice of our success."

COMPANY

Georgetown University

www.georgetown.edu

CHALLENGES

- *Inability to guarantee performance of mission-critical applications in rapidly expanding virtual environment with existing tools*
- *Inconsistent Quality of Service (QoS) and disruption of virtualized workloads*
- *Inefficient use of virtual and human resources*

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*

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Before Turbonomic, Nicholson would receive dozens of requests for increased resource allocation to specific applications, regardless of their needs or the demand of the workload. "With Turbonomic, I know exactly what each VM needs at any given moment in time," said Nicholson. "I'm able to report that all back to the application owners, showing that they don't need more resources, their applications just need to be controlled better."

CAPACITY PLANNING

"With the capacity planning tool I'm able to prepare way in advance for upcoming projects," said Nicholson. "We no longer are overprovisioning and have actively avoided overspending on resources where in the past we most likely would have. We are getting so much more out of our investment in virtualization."

OPENSTACK ON THE HORIZON

"OpenStack has been getting a lot of attention recently, we are interested in experimenting with it and seeing how we could leverage Turbonomic to act as the control entity within an OpenStack environment."

Whatever the next project Nicholson and his team takes on, they are confident and ready to go. "Having a platform like Turbonomic, one single device that easily integrates into your environment and updates seamless, that's the way to go. We have complete peace of mind knowing we are in control."

"Turbonomic is a necessary element of our data center and will become more so moving forward," noted Will. "It will grow as our virtual estate grows."

"One of the largest impacts on my team has been giving us the confidence that we will always make the right decision. We are more confident in ourselves as engineers, especially when our opinions are validated by Turbonomic, and confident that the platform will help us be successful."

- Ron Nicholson, Sr. Systems Engineer, Georgetown University

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*
- *Maximized utilization of data center infrastructure and avoided overspending on unnecessary hardware*
- *Reduced number of user-generated tickets and complaints*
- *Reduced time spent monitoring and manually resolving issues*
- *Increased team confidence*