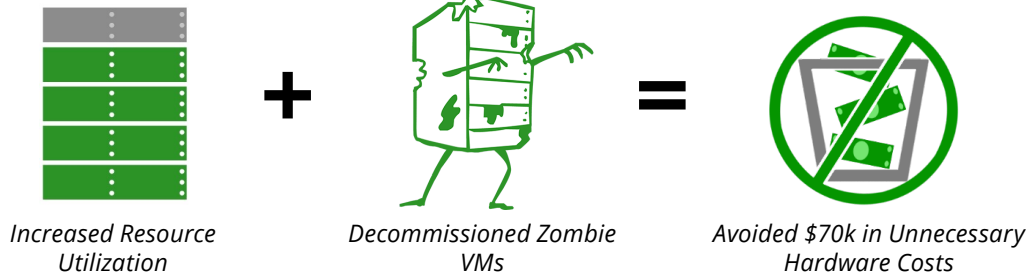


CAPILANO UNIVERSITY CONTROLS PERFORMANCE AND UTILIZATION WITH TURBONOMIC



SITUATION

Capilano University is an undergraduate focused public university in Vancouver, British Columbia, known for its commitment to providing solid and innovative academic programs. Capilano opened its doors in 1968, and has since grown to enroll 7,500 full-time students each year, with an additional 7,000 registered in non-credit courses. The university offers a wide range of programs and services, and has nearly 1,000 employees.

Wade Sellers, Manager of IT Infrastructure, is responsible for the health and wellness of the central data center, including mission-critical applications such as Moodle, an open-source content learning platform heavily utilized during exam season. Sellers recently migrated from an older IBM production environment, and is now now leveraging a converged VCE Vblock® system supported by VMware vSphere® that provides services to students and employees University-wide.

Over the last few years, the University's virtual environment has experienced both major change and major growth, but the stretched-thin IT team found it difficult to control for performance in an increasingly complex data center. "The biggest issue for us was never knowing where things sat, how they were performing and what resources they were pulling from," said Sellers. "If there wasn't an alert saying something was already broken, no one was going to spend time fixing it."

"Turbonomic gave us complete control over our environment. We no longer worry about performance degradation or overprovisioning."
 – Wade Sellers, Manager of IT Infrastructure

In 2014, Sellers came across Turbonomic at a conference in Vancouver, and the software caught his eye. "It was incredibly simple to install and the moment it was up and running it began pointing out dozens of issues in our environment," said Sellers. "We quickly were able to see what Turbonomic could do, applying recommendations to resolve issues immediately."

COMPANY

Capilano University
www.capilanou.com

CHALLENGES

- Inability to guarantee performance of mission-critical applications in rapidly expanding virtual environment with existing balancing 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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For Sellers and his team, it was one thing to see the recommended actions, but it was entirely different for them to be automated, maintaining their virtual environment in a state of perpetual health. “We were constantly overprovisioning, and all these big bloated virtual servers were not effectively using the resources they had been allotted,” said Sellers. “Turbonomic gave us a whole new look into our environment and complete control over making the changes necessary to get the best usage of the resources.”

Since deploying Turbonomic, Sellers has seen noticeable improvements in the performance of Capilano’s applications, as well as incredible savings. “We thought we needed more disk space, but Turbonomic showed us how to use our environment more efficiently,” said Sellers. “We were able to avoid spending nearly \$70,000 in storage costs, not to mention the time it would take to implement such changes.”

RESOURCE UTILIZATION AND PREPARING FOR GROWTH

With Turbonomic, Sellers is now able to accurately match the demand of his applications with the available supply of resources in his environment. He quickly found a number of zombie VMs, eating up valuable resources without any beneficial return. “We were able to decommission old VMs that we don’t actually need, freeing up resources to use elsewhere,” said Sellers. “We hadn’t been able to see this problem until now.”

And gearing up for the future is easier than ever. “What’s huge for us, is that now as we grow we are able to prepare and plan for that growth with confidence,” said Sellers. “We can look at upcoming projects and budget planning, and know exactly where we sit, what we need to buy and what resources we have enough of.”

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*
- *Reduced number of user-generated tickets and complaints*
- *Reduced time spent monitoring and manually resolving issues*
- *Avoided \$70,000 in unnecessary hardware costs*

“For me, it’s the proactive nature of Turbonomic. Everything is always taken care of without having end users call with performance issues or my team responding to alerts at all hours of the day.”

Wade Sellers
Mgr, IT Infrastructure
Capilano University