FirstOntario Reduces Waste and Improves Performance with Turbonomic

Increased Overall Resource Utilization + **Reduced Time Spent Monitoring and Firefighting** = **Control over Rapidly Expanding Environment**

F1rstOntario CREDIT UNION

SITUATION

FirstOntario Credit Union provides banking and financial services, from checking and savings accounts to loans, mortgages and highly qualified investment advice, to nearly 100,000 people in Ontario. With a strong 75 year history, FirstOntario's services are provided through 29 branches in 14 communities across the province.

Craig Bogle, Server Systems Administrator, has been with FirstOntario since 2006. Bogle leverages VMware vSphere® ESXi™ 5.5 across a rapidly growing and nearly 100% virtualized environment. The IT team at FirstOntario is also undergoing a migration to FlexPod® converged infrastructure, including Cisco® UCS and NetApp®, as well as moving their production data center to Q9 co-location.

During this transition, Bogle was spending a great deal of time manually managing memory and CPU across hosts. When alerted to system issues, Bogle was tasked with drilling down into the environment to locate the problem and resolve the situation. The only tool available to Bogle at the time was VMware's DRS. "It only does so much," said Bogle. "It doesn't tell you much about what it's doing, it's just a simple load balancer."

"TURBONOMIC HAS MADE A HUGE IMPACT. IT NEVER DISAPPOINTS."
– Craig Bogle, Server Systems Administrator

Not long after deploying Turbonomic, Bogle turned on automation for vMotions and Storage vMotions across his environment. One of the largest changes they have seen has come from increased utilization of resources, including disk, memory and CPU, all the while improving performance of major applications.

"Automating those decisions has freed up our time to concentrate on major projects and things we are implementing in our environment," said Bogle. "It's made a huge impact, from improving our server utilization, reducing waste in the environment and improving overall performance. All around, it makes everyone happy."

Bogle has seen major improvements in FirstOntario's critical applications, including front-end banking, back-end online banking and Microsoft Exchange. "The business is our end-user so we quantify performance improvement based off staff tickets logged," said Bogle. "The number of tickets we receive has gone from 15 per week to about 1 to 5."

COMPANY

FirstOntario Credit Union
www.firstontariocu.com

CHALLENGES

- *Inability to guarantee performance of mission-critical applications in rapidly expanding virtual environment with existing tools*

- *Disruption of virtualized workloads due to resource contention and system congestion*

- *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*

FirstOntario Reduces Waste and Improves Performance with Turbonomic

STORAGE CONTROL AND LICENSING

"Right away, Turbonomic's storage integration helped us address some major storage congestion on our datastores," said Bogle. "We are planning on leveraging these capabilities during our FlexPod migration. We're also in the process of upgrading from ESXi 5.5 to 6.0 as well as retiring some of our older hardware. We're hopeful that Turbonomic will help us reduce our licensing costs."

RESULTS

- *Autonomic platform drives real time performance across a diverse environment*

- *Reduced time spent monitoring and manually resolving issues 40-59%*

- *Increase virtual workload performance 20-39%*

- *Increased resource utilization 20-39%*

- *Increased team productivity 40-59%*

"Turbonomic has given me 2-3 hours back per day. Before I'd have to respond to tickets in the queue, fight fires and such. We don't have to deal with that so much anymore. Now I'm able to focus on projects for new technology."

- Craig Bogle, Server Systems Administrator
FirstOntario Credit Union

ABOUT TURBONOMIC

Turbonomic's autonomic platform is trusted by enterprises around the world to guarantee the performance of any application on any infrastructure. Turbonomic senses changes to application demand and adjusts infrastructure supply in real-time to maintain a perpetual state of health.

Launched in 2010, Turbonomic is one of the fastest growing technology companies on the market. Turbonomic customers confidently accelerate their applications built on cloud, virtual, and container technologies today and in the future.

With Turbonomic, customers can guarantee application performance, maximize infrastructure and human efficiency, confidently adopt new technologies, and positively impact their business goals. To learn more, visit Turbonomic.com.