

# IT Asset Management Software Company Saves 15% on AWS with The Virtana Platform



## ABOUT

**Industry**  
Software company

**Headquarters**  
USA



## OBJECTIVE

Control rising AWS cost without compromising the overall performance



## RESULTS

Reduce AWS bill by 15% by EC2 sizing recommendations, while maintaining performance

## ABOUT The IT Asset Management Software Company

Providing reliable, high-performing digital services for customers is hard enough. Doing so cost-effectively is even more challenging. IT asset management provider's web-based software tracks, maintains, and manages IT assets for customers. The company's customer-facing software, as well as the back-end MySQL databases and RabbitMQ messaging service that drive it, are hosted entirely in the AWS cloud EC2 instances.

With the help of the Virtana Platform, the company was able to retain impeccable service availability while drastically slashing its cloud infrastructure costs. Here's how Virtana enabled the IT Asset Management Software Company to save money without compromising on quality or the user experience.





**THE CHALLENGE:**

## AWS Infrastructure Costs

With a high number of EC2 instances running, the IT Asset Management Software Company struggled to control cloud infrastructure spending without compromising performance. That was because the company’s IT team initially relied on an open source monitoring tool to help manage its EC2 instances. While the tool provided some visibility into the company’s AWS environment, it did nothing to help DevOps engineers control costs or avoid unnecessary spending on underutilized EC2 instances.

**THE SOLUTION:**

## A 15% Cost Reduction Through the Virtana Platform

The IT Asset Management Software Company’s IT team began looking at other performance management solutions in order to help reduce infrastructure spending. “Our goal was to get an understanding of our total spend on EC2 instances,” explained the Director of Engineering. “We wanted to find machines that were undersized or oversized. We wanted real-time alerts in place, and to be able to scale up and scale down systems as traffic patterns changed in order to reduce costs without impacting performance. That was simply not happening using the open source performance management tool. “

As a result, the IT Asset Management Software Company adopted the Virtana Platform, whose AWS cost-analysis features provided the solution that the Director of Engineering and his colleagues sought. Since implementing the Virtana Platform in the spring of 2018, the company has reduced

## IT Asset Management Software Company gets EC2 instance size recommendations to rightsize their



its total spending on EC2 instances by about 15%. What’s more, by following the recommendations provided by the solution’s EC2 instance sizing, the company has been able to reduce costs without sacrificing the performance of its software. “We’ve maintained the performance that we had before, but we are delivering it at a more cost-efficient rate,” the Director of Engineering said.

## Operational Capacity Planning

Beyond simply helping to save money, the insights into AWS infrastructure spending that Virtana has provided to the IT Asset Management Software Company has also assisted the Director of Engineering and his team in aligning IT staff planning with infrastructure needs. With the help of the Virtana Platform, the company can, for example, determine whether adding more staff in order to enable a migration to a newer type of EC2 instance will ultimately save money.



I can advocate for additional DevOps staff, and say that if we bring someone else on board to move to newer hardware, it pays for itself through the cost savings.



**Director of Engineering**  
IT Asset Management Software Company

He also described Virtana’s technical support as “first-rate,” and said that he’s experienced a “very quick turnaround on any questions I’ve had.” The Director of Engineering said that he expects to continue to rely centrally on the Virtana Platform’s performance-management and cost-analysis features as the IT Asset Management Software Company migrates its infrastructure from virtual machines to containers—a process that it will complete over the coming year. Thus, no matter which specific cloud services power the company’s IT stack, Virtana will help the company to keep them running in ways that optimize both spending and the user experience.

**FUTURE PLANS:**

**Continued Growth Without Overtaxing the Team**

Although the Director of Engineering said that the IT Asset Management Software Company expects to continue using open source tools for non-production monitoring, the company plans to switch entirely to the Virtana Platform for managing the performance of its production AWS infrastructure. “The user interface of the Virtana Platform is clearly superior,” the Director of Engineering said in explaining why his team plans to use Virtana exclusively within production environments. “You can get the same level of information from both tools, but Virtana does a much better job of layering it if you want to see different metrics over a period of time.”

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