

PYRA CLOUD PLATFORM CASE STUDY

OPTIMIZING AN AZURE ENVIRONMENT

PyraCloud Benefits

- Provided immediate insights which quickly identified Azure spend tracking at 3X the allocated cloud budget.
- Drilled down and identified high utilization VMs to shutdown or turn off during off hours.

“PyraCloud provided quick insights into the actual spend and trends going forward for the Azure EA agreement. We realized – via PyraCloud - that our Azure spend will be 3X higher than what we actually committed and this was easier and quicker than going to the Azure Portal.”

Richard Bezjian, Director of Engineering at LA Metro

Los Angeles County Metropolitan Transportation Authority (LA Metro), services over 1,433 square miles throughout the Los Angeles area. LA Metro serves as transportation planner and coordinator, designer, builder and operator for one of the country’s largest, most populous counties. More than 9.6 million people – nearly one-third of California’s residents – live, work and play within LA Metro’s 1,433 square miles service area. Over one million customers use both the bus and rail lines throughout the week. The organization employs approximately 10,000 individuals and is responsible for thousands of buses and rail lines throughout Los Angeles County.

The Transportation Systems Sector is one of sixteen Critical Infrastructure Sectors identified by [Homeland Security](#). Being part of the Transportation Systems Sector means that LA Metro needs to quickly, safely and securely move people to their destination. IT operations and teams play a big role in ensuring that LA Metro transportation services are available to customers with zero service disruption. As such, IT needs to be calculated and fully vet any enhancements or adoption of new technologies.

LA Metro is in the early stages of cloud adoption and the organization is taking a calculated approach in moving workloads to the cloud. LA Metro is using Microsoft Azure on an Enterprise Agreement (EA). As part of this effort, they have moved some public facing applications to Azure. Additionally, LA Metro development teams are selectively using Azure to build up its capabilities.

The cloud offers many benefits and organizations can realize immediate technology benefits, such as flexibility, scalability, choice of options, easy setup, agility, innovation and on-demand services. However, during this early stage, as organizations and teams adopt the cloud, it is important that business requirements are both met and communicated to stakeholders. Furthermore, to continue the adoption of cloud, business requirements, such as cost control need to be met by accurately tracking

budgets, forecasts, and spend. The average organization sees 2X – 3X higher public cloud bills than what is initially expected.¹ On top of that 72% of organizations that use the cloud do not have visibility and insight to predict future use.² The ability to stay on top of this and cap these expenditures is critical for a successful move to the cloud.

LA Metro is selecting strategic workloads to move to the cloud based on business requirements and priorities. LA Metro initially started working with SoftwareONE to have a better understanding of spend associated with its Microsoft EA agreement. An Enterprise Agreement (EA) requires an annual spend commitment and LA Metro wanted to make sure that spend was within this commitment. SoftwareONE worked with LA Metro to deploy the PyraCloud platform, specifically the Cloud Management module.

CLOUD MANAGEMENT MODULE

PyraCloud Platform Cloud Management Module enables organizations to govern and manage budget and spend of their cloud resources. As an end-to-end offering, it provides full transparency of cloud resources so customers can govern, control costs and optimize by providers, business units or applications.



PyraCloud delivered immediate benefits. LA Metro quickly gained insights into its Azure spend and realized that the Azure spend was trending to be 3X higher than the initial budget. The IT team was then able to drill down into specific cloud resources and work with Line of Business and other key stakeholders to take the following actions:

1. Identify high utilization Virtual Machines (VMs) and take proactive steps to throttle their use
2. Conduct automated shutdown of VMs during off hours
3. Work with development teams to turn down any VMs that were not being utilized

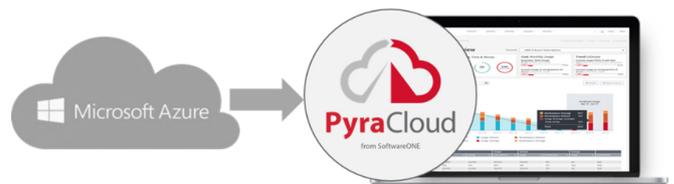
By taking these proactive steps, LA Metro was able to get its Azure spend in control and is using the PyraCloud platform going forward to make sure cloud budgets are not exceeded for the term of the EA agreement.

Richard Bezjian, Director of Engineering at LA Metro, said that, "PyraCloud provided quick insights into the actual spend and trends going forward for the Azure EA agreement. We realized – via PyraCloud - that our Azure spend will be 3X higher than what we actually committed and this was easier and quicker than going to the Azure Portal."

LA Metro plans to continue using PyraCloud to help them meet the business requirements of cloud cost control for their Azure environment. Additionally, LA Metro is planning on using the features of PyraCloud that will help them better govern and manage budget and spend of their Azure environment

PyraCloud will help your organization set budgets by business units and track spend. You can proactively optimize your cloud environment by effectively tracking spend by business unit for cost control and charge back.

PROACTIVE COST OPTIMIZATION OF YOUR CLOUD ENVIRONMENT



SOFTWAREONE ADVANTAGE | SOFTWARE MANAGED. CLOUD OPTIMIZED.

SoftwareONE, a global leader in software and cloud portfolio management, transforms the way customers govern, budget and optimize their global spend on software and cloud solutions. SoftwareONE brings a unique, well integrated combination of solutions, platform and transactional competency to help you navigate the complexity and achieve a balance between entitlement, inventory and consumption to avoid compliance risk and maximize the return on your software and cloud investments.

Software Portfolio Management (SPM) and Software Asset Management (SAM) services provide the methodology and framework to gain control over the underlying software and cloud investments. We help our customers accelerate cloud adoption, right-size cloud and software consumption as well as

spend, and minimize compliance risk. PyraCloud platform delivers the visibility, insight, automation and control customers require to maximize their overall investments in software from on-premises to cloud and better govern their software portfolio.

The SoftwareONE solutions, platform and transactional competency are unique in helping you simplify and manage your global software and cloud investments, ensuring you only spend on what you use and avoid compliance risk. Customers choose SoftwareONE because our solutions are global, fully integrated, span cloud and on-premises, and reduce complexity throughout the entire software supply chain.

¹ Innovation Insight for Dynamic Optimization Technology for Infrastructure resources and Cloud, February 2017

² Hybrid IT Adoption and Trends - <https://www.sciencelogic.com/product/resources/cloud-adoption-trends>