Caloudi

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Manage cloud consumption more effectively

Moxa—a connectivity technology company founded in 1987 and headquartered in Taipei, Taiwan—specializes in edge connectivity, industrial computing, and network infrastructure solutions. It seeks to develop reliable network solutions that enable devices to better collaborate with systems, processes, and people.

As more organizations move to the cloud, Moxa is well-positioned to provide cloud-ready applications for customers' cloud environments, including Microsoft Azure. Moxa's growing cloud development efforts have increased the need for smart cloud management to better control costs and leverage resources.

Facing insufficient analysis

Both cloud service consumption and resource variety increase as a company's total cloud demand increases. The billing statements provided by cloud service providers (CSPs) and licensing service providers (LSPs) are often vague and are normally sent only once a month.

Organizations frequently have no easy ways to check on-demand cloud costs or resource utilization to prevent unnecessary use of cloud services. Thus, engineers often spend valuable time sifting through information to compile managerial reports.

Challenge

Monthly CSP/LSP statements can lag in notifications and fail to provide sufficient financial and managerial information—including details on payment-splitting among divisions and cost specifications.

Solution

Caloudi CMP offers a user-based filtration system that employs an innovative use of resource tags to enable effective cost-splitting, dashboard visualizations, highly customizable auto-generated reports, and more.

Results

Precise analysis of resources, usage, and costs allows clients to ignore their monthly statements completely. Instead, individual users customize their filters to provide effective on-demand access to cloud management.

> "A time-saver for companies that would like to focus on their core businesses without worrying about their cloud spend."
>
> — Graham Lin, Senior Manager, Moxa, Inc.

Seeking an autonomous solution

To control their cloud consumption costs, many companies need greater detail than monthly billing statements can provide.

Among the common issues, it can be difficult or impossible for a company to identify a specific unused resource that hasn't been stopped after an assignment is completed.

Even if irregularities have been spotted in the billing statement, companies frequently lack insights into the source and time-interval of such anomalies. And even if the on-demand numerical data is available to an engineer for cloud cost analysis, it can be prohibitively time-consuming to compile all of the necessary data to create a useful visual analysis.

Finally, such numerical analyses are usually grouped by managerial departments or projects, groups that are not included in Azure-defined hierarchies.

Caloudi proposed its in-house developed Caloudi CMP to Moxa as an autonomous solution to address its three key issues: delayed cloud cost management, time-consuming visual analysis, and cluster-oriented reports.

Our web-based software as a service (SaaS) CMP solution allows clients to monitor their clouds on-demand, whenever and wherever. Data can be customized, filtered, and represented in the form of dashboards or autogenerated reports to help clients manage their clouds effectively.

Analysis is no longer constrained by Azure-defined groups. Instead, it can be grouped by user-defined resource tags. In addition, AI-based anomaly detection, cost-forecasting, and RI recommendation provide insights with minimal managerial effort.

Providing effortless management

Moxa benefits the most from Caloudi CMP in terms of time savings for its managerial and professional personnel, allowing them to focus more on their core duties.

By employing the solution, the client now automatically generates customized reports and sends them out on preset schedules. Further, Moxa can now rapidly identify errors, preventing excess cloud costs. The company also takes advantage of many of the consulting services that Caloudi offers.

MOXA®

"Since we began using Caloudi CMP, we no longer wait until the end of the month for a vague billing statement. Instead, we can make use of custom filters and auto-reports to monitor, manage, and take charge effortlessly within a matter of seconds. We leverage Caloudi's specialty to summarize all of our management needs and minimize the time and effort required."

— Nick Yang, Senior Engineer, Moxa, Inc.