



Fannie Mae®

**CASE STUDY**

Fannie Mae was able to edit over 1,500 tags in the first 15 minutes with CloudSaver Tag Manager

*Fannie Mae is a cloud-based enterprise organization that operates as a leading source of home mortgage financing. In 2022 its annual revenue was \$100.3 billion, and it holds assets exceeding \$4.2 trillion.*



Fannie Mae took its cloud performance to a new level last year when it implemented Tag Manager, a revolutionary SaaS solution from CloudSaver. Fannie Mae was able to clean up its cloud with Tag Manager's powerful features and unlock benefits that were previously unattainable.

### Working Smarter, Not Harder

Fannie Mae was accruing technology debt, accumulating a growing number of resources that were either untagged or incorrectly tagged. Inadequate tag hygiene impaired visibility into its cloud infrastructure and generated wasted cloud spend. Finding and implementing a solution seemed out of reach. The time and money needed to optimize its tag environment would require a substantial investment. As a result, tag health was neglected. In June of 2022, Fannie Mae's entire cloud environment contained over 18 million resources but only 2 million were tagged.

### The Unspoken Truth

Reality has a way of sabotaging best practices. Ideally, every cloud resource would be correctly and fully tagged at deployment. However, by the time enterprises focus on this foundational requirement the number of untagged and

mistagged resources is already out-of-hand and editing tags retroactively is very labor intensive. While nearly every enterprise acknowledges the importance of full and complete tagging, most do not get there. The problem is just too hard to fix.

### The Hard Choices

Fannie Mae chose not to be mired in fragmented tagging. They made the smart move by continuing to look for solutions and tackling their tag challenges head on with a solution equipped to do the job. CloudSaver Tag Manager is unparalleled with its powerful search engine, tag intelligence and robust tag remediation capabilities. Fannie Mae put its own house in order. In the summer of 2022 Fannie Mae decided to tackle a manageable portion of its cloud environment and connected to Tag Manager. A technology associate confided that they had spent years trying to find a solution like CloudSaver Tag Manager.

### With Great Visibility Comes Great Opportunity

Like most cloud enterprises Fannie Mae is constantly challenged to manage its resource tags. Thousands of new resources are routinely created on a daily basis. Concurrently, Fannie Mae moves resources from on premises to the cloud. This model of massive resource creation and migration requires a robust tagging solution that not only handles the huge scope of rapidly changing resources but does so in a simple, intuitive fashion. Fannie Mae has well over 200 AWS accounts alone with millions of unique tags. With Tag Manager, Fannie Mae gained immediate visibility into its cloud infrastructure at a level not previously realized and attained real time day-to-day oversight of its resources.

### Early Discovery Creates Immediate Value

Fannie Mae was able to discover tag issues at an early stage through CloudSaver Tag Manager, presenting the opportunity to fix them before serious unnecessary costs were incurred. On one occasion Fannie Mae discovered that over 50,000 resources were deployed without having critical tags attached, even though Fannie Mae had designed its policies to tag resources automatically. Tag Manager alerted Fannie Mae to this mishap, enabling it to quickly attach tags to the untagged resources. More importantly, because of this discovery Fannie Mae was able to identify and repair the performance failure, preventing future deployment of untagged resources.

### The Gift That Keeps on Giving

Fannie Mae found that its new level of insight from Tag Manager



### Client Overview

Fannie Mae is a leading source of mortgage financing in all markets and at all times. We ensure the availability of affordable mortgage loans. The financing solutions we develop make sustainable homeownership and workforce rental housing a reality for millions of people.

### Website

[fanniemae.com](https://fanniemae.com)

### Company size

7,400

### Headquarters

Washington, D.C.

### Founded

1938

created opportunities that boosted its performance beyond what was anticipated. Abandoned resources surfaced that previously were unseen, enabling greater cost savings. The higher level of clarity served to reveal loopholes in Fannie Mae's tagging policies enabling it to refine those policies for more effective performance. The fact that tag issues could arise without warning heightened Fannie Mae's awareness of potential security risks.

## User Friendly

Fannie Mae found Tag Manager to be a very powerful sophisticated solution. It is elegantly configured to maximize an efficient, frictionless user experience. Benefits are immediate with the client enthusing, "The power of Tag Manager is going to my head!"

Fannie Mae was able to discover and fix issues with little effort. The learning curve was so speedy that Fannie Mae found itself correcting tag issues from the start. To the surprise and delight of Fannie Mae's technology department, the program was quick to pick up and results swiftly followed. One associate said, "It only took 15 minutes to figure out CloudSaver Tag Manager and in the same amount of time over 1,500 tags were edited."

## What the Future Holds

Fannie Mae's experience with CloudSaver Tag Manager is so successful that it plans to expand implementation across its entire compute infrastructure. Currently, Fannie Mae is seeking to implement a chargeback practice for greater accountability and efficiency in cost management. The lynchpin

of real-time and accurate chargeback reporting is full and complete tagging. Fannie Mae has come to rely heavily on CloudSaver Tag Manager to successfully achieve this requisite tagging.

A continuous stream of previously unobtainable benefits has now been made available to Fannie Mae, including chargeback and show back opportunities, modification of tags on existing resources, real-time tagging, and customization of reports.

The areas of cost management, security, governance, and performance each have experienced significant enhancements that create greater speed, resiliency, and visibility, as well as reliable real-time data for data-driven decision making. CloudSaver's experienced team of developers continuously expands Tag Manager's capabilities guaranteeing that it will be equal to the future of rapidly changing cloud technology. Fannie Mae is assured of excellent tag hygiene capable of supporting its future growth in the cloud.

## About CloudSaver

CloudSaver unlocks the value of the cloud through innovative software and consulting solutions. We equip customers with tools, resources, and best practices to maximize their cloud investments. Located in Overland Park, KS, CloudSaver is a leader in cloud optimization, serving a client base of global organizations ranging from mid-size companies to Fortune 50 enterprises. For more information, visit [cloudsaver.com](https://cloudsaver.com).

