



Reducing Azure Cloud Spend by 35% Through Autonomous FinOps Governance

Case Study



How Neurealm leveraged NeuGAIN GovernOps to help a global life sciences organization transition from reactive cloud spending to a proactive, governed financial model, uncover hidden cloud waste, optimize business-critical workloads, and unlock nearly \$300,000 in annual savings potential.

Customer

A global life sciences and medical technology organization operating in a highly regulated healthcare environment and managing a complex cloud ecosystem across multiple Azure subscriptions supporting Manufacturing Execution Systems (MES), SAP platforms, R&D environments, and global IT operations.

The Challenge

Managing a Complex Cloud Estate in a Budget-Critical Environment

- **Reactive Cloud Spending Management:** As the organization entered a budget-critical phase, leadership sought to transition from reactive cloud spending management to a proactive, governed financial model.
- **Urgent Cost Reduction Requirements:** Immediate operational cost-cutting measures were required without compromising the performance, security, availability, or compliance of business-critical systems.
- **Cloud Sprawl Across Multiple Accounts:** A complex cloud footprint spanning five major Azure accounts created governance challenges and concealed significant optimization opportunities.
- **Limited Cost Visibility:** Lack of granular insight into how individual application towers, including MES, IT, and R&D environments, were contributing to the monthly cloud bill limited accountability and informed decision-making.
- **Hidden Cloud Waste:** Idle resources, orphaned assets, unused snapshots, and storage inefficiencies continued to generate avoidable cloud expenditure.
- **Manual FinOps Constraints:** Reservation tracking, right-sizing initiatives, and optimization efforts relied heavily on manual processes that could not keep pace with the scale and dynamic nature of the Azure environment.

The Solution

A High-Velocity FinOps Transformation Powered by NeuGAIN GovernOps

- **Full-Scale Autonomous Assessment:** NeuGAIN GovernOps performed a deep scan of the Azure environment to identify hidden optimization opportunities and surface cloud waste, including orphaned snapshots and cross-family storage-tiering opportunities.
- **Stakeholder Alignment and Governance Reviews:** Multiple review cycles were conducted with business and application stakeholders to ensure all technical recommendations aligned with application requirements, business objectives, and uptime commitments.
- **Granular Consumption Analysis:** Detailed analysis of cloud consumption patterns across key application towers provided greater visibility into spending drivers and optimization opportunities.
- **End-to-End Remediation Execution:** Neurealm executed a large-scale remediation initiative covering 368 individual optimization actions across the cloud estate.
- **Immediate Waste Elimination:** Idle systems were deallocated, orphaned assets were deleted, and high-value reservation opportunities were secured to rapidly reduce unnecessary expenditure.
- **Usage Optimization:** Infrastructure utilization patterns and 30-day peak performance metrics were evaluated to identify and implement precise right-sizing opportunities.
- **Configuration Optimization:** Storage resources were analyzed against actual IOPS demand, enabling Premium SSD volumes to be aligned to more cost-effective storage tiers without impacting application performance.

AI Platforms Used NeuGAIN GovernOps Platform

Business Impact

- **~\$300,000 Annual Savings Potential Identified** reducing targeted cloud operating expenditure by approximately **35%**.
- **Rate Optimization:** Secured reservation-based discounts for **193 units**, including SQL Managed Instances and Azure Virtual Desktop (AVD) environments.
- **Usage Optimization:** Right-sized **66 over-provisioned virtual machines** using detailed analysis of 30-day peak utilization metrics.
- **Asset Cleanup:** Eliminated **77 idle resources**, immediately reducing unnecessary infrastructure costs.
- **Asset Cleanup:** Removed **130 orphaned assets**, including unused IP addresses and snapshots that continued to generate recurring expenditure.
- **Configuration Tuning:** Optimized **132 Premium SSDs** by aligning storage tiers with actual IOPS demand while maintaining workload performance.
- **368 Optimization Actions Successfully Executed** across compute, storage, reservation, and governance categories.
- **Enhanced Financial Transparency** across critical application towers, enabling stronger visibility into cloud consumption patterns and cost accountability.
- **Established a Proactive FinOps Governance Model**, enabling continuous optimization, stronger financial discipline, and more informed cloud spending decisions.
- **Maintained Operational Stability and Business Continuity** across critical MES, SAP, IT, and R&D workloads throughout the optimization program.

Neurealm is an AI-first technology services company helping enterprises build the intelligent systems that power the future. We work across the full Physical AI to Agentic AI spectrum, from edge devices to autonomous agents, and help enterprises move from AI experimentation to production-grade deployment, powered by NeuGAIN, our unified AI platform. Our outcome-driven, engineering-led approach spans AI, Engineering, Data, RunOps and more, serving 280+ enterprises worldwide.

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