

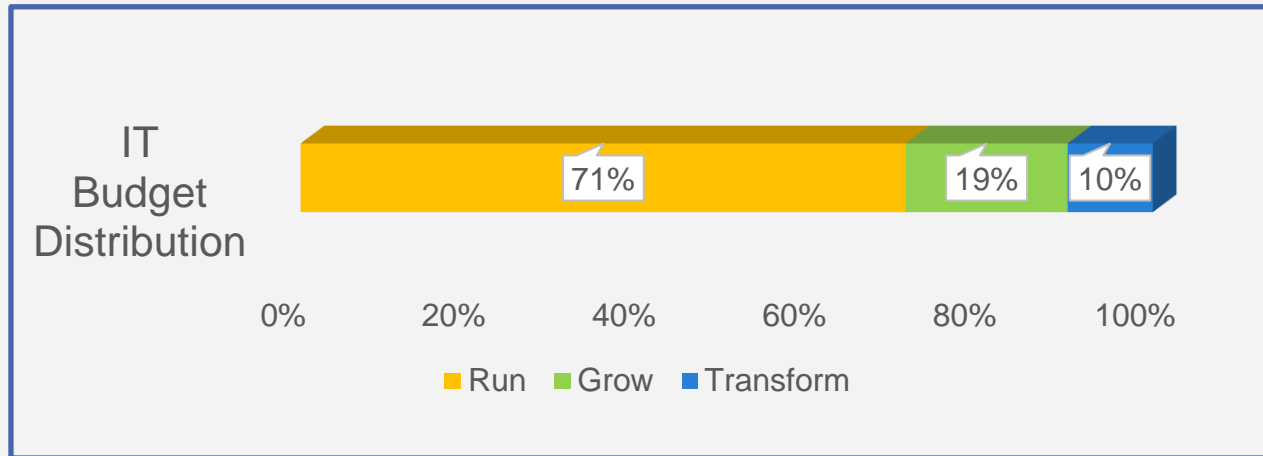
Optimize Your Azure Spend with AI

Observe, recommend, automate and transform



Value In IT Operations

Operational costs consume a major chunk of budget allocation.



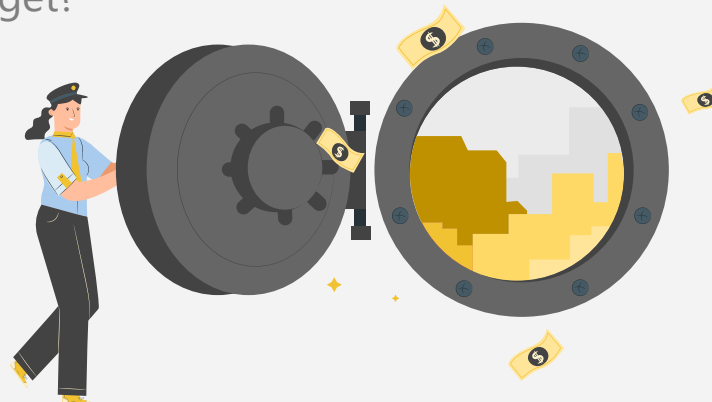
With a lean IT budget, how to deliver the best possible value of Digital Transformation



How can organizations free up budget for Growth and Transformation?

What are the areas covered under Run budget?

- Subscriptions
- Licenses
- Personnel
- Cloud costs
- Upgrades.....



About a 1/3rd of companies' IT budget goes for cloud services.

Source: Spiceworks, IDG

Cloud Reality

In 2020, companies will waste over \$17 billion in cloud spend on idle and excess resources, according to [DevOps.com](https://www.devops.com). Many organizations are finding that as much as 40% of their cloud spend is sunken into over-provisioned and unused infrastructure.



Key Challenges In Cloud Provisioning

- Manage an infinite volume and distribution of services MANUALLY.
- Manual workflows – slow and error prone
- Idle, orphaned volumes, inept containerization, underutilized databases, unused reserved instances and over-sized cloud resources.
- Limited visibility and tracking to de-provision resources.
- Increasing infra costs.



Azure
Cost
Optimization

Save
30+%
On Your
Cloud
Spend
With
AI

INTRODUCING ACO

Observe, Recommend, Automate And Transform



Take control of cost, besides continuously optimizing infrastructure flooring the building of modern and scalable applications.

Reduce excess overrun costs by identifying and eliminating the right resources for optimal cloud performance.

Detect anomalies to power a intelligent alerting mechanism and combine with historic data to forecast accurately



Enabling Cloud Infrastructure Automation Using ACO



AI Enabled Cost Anomaly Detection

Leverages advanced Machine Learning technologies to identify root causes and action recommendations.



Identify Top Cost Drivers

Analyzes subscriptions, resource groups, resources, owners and other tags and also uses Advanced Machine Learning algorithms on historical data to get the forecast of the cost impact.



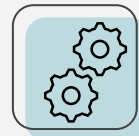
Intelligent Alert Notification

Spotting the right anomalies in the right time triggers smart notification alerts avoiding possible wastage of resources.



Data Insights on Forecast and Budget

Gain a quick glance at their costs and usage trends with effective visualizations and dashboards.



Automated Services Provisioning

Reducing manual efforts by automatically control the installation, configuration, and management of cloud computing services.



Automated Robot To Perform Recommended Actions

Robot at the run to provision services according to the suggested actions.

Why ACO?

Who hates cost saving!



01

Carve out potential cost reductions of 30+%.

02

AI based intelligent notification with proactive and predictive notifications.

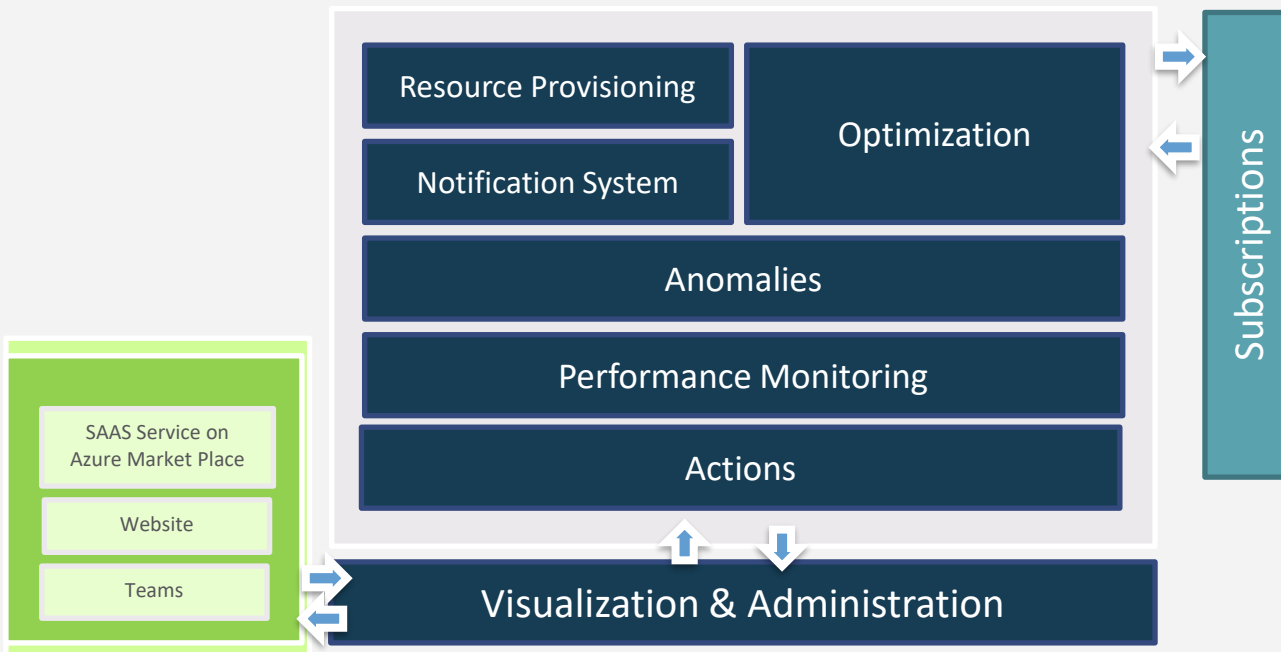
03

Predictive forecasting, accurate planning of budget.

04

Inbuilt actionable robots eliminating human errors.

Solution Architecture



- **Subscriptions** – One or more subscriptions inside Azure tenant for analysis.
- **Resource Provisioning** – Automates the services provisioning inside Azure
- **Optimization** – AI based algorithms identifies potential cost optimization opportunities & recommendations of services
- **Notification System** – Intelligent alert notifications triggers to administrators on spends & performance
- **Anomalies** – Identifies anomalies in cost and notifies about anomalies.
- **Performance Monitoring** – Monitors the resources and identifies if any of the services are in critical level.
- **Actions** – Intelligent robots to automate actions.
- **Visualization & Administration** – Easy to use portal to represent visualization of data & performing actions.
- **Administrator interface** – Channel of interface for the administrators

Breadth Of Our Offering

Internal cost saving mandate




Make IT staff available for strategic initiatives

Leverage historic case data to optimize operations

Handle increasing Cloud OPEX costs

Drive ROI by leveraging AI with minimal CAPEX investment

Infrastructure and Application Modernization

-  Automation
-  Augmentation
-  Learning & Prediction

BotCore

Optimum

ACO

Graphlytics

AiDMS

AI Driven Managed Service

27% TCO Saving

50% Reduction in Human Agent Ticket volume

26% Reduction in Cost per contact

72% increase in Transformation Budget

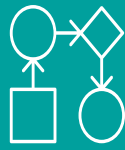
0% Additional CAPEX Investment for AI Budget

Execution Approach



Analysis

- Analysis of the general structure of costs, costs by services
- Analysis of factors for cost drivers
- Benchmarking of cost indicators



Assessment

- Automated identification of waste usage of cost
- Assessment of cost reduction potential
- Assessment of any anomalies of cost



Optimization

- Continuous right-sizing and usage
- Automating the spin-up/spin-down process.



Governance

- Operational governance
- Performance management
- Security management

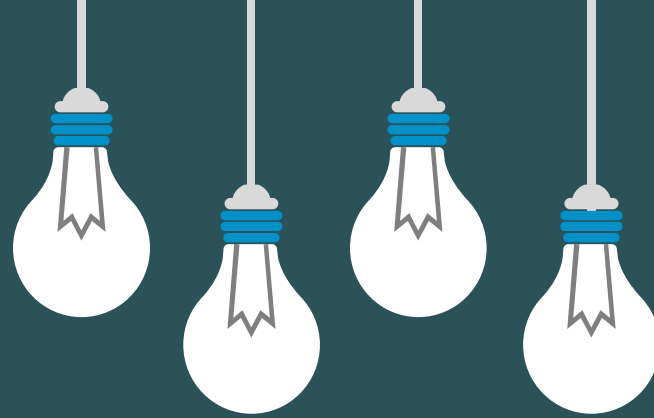
Large FMCG

- #Services Provisioning
- #Future predictions of Costs
- #Right Sizing & Usage

It is a British multinational consumer goods company headquartered in London, England. Products include food, confections, energy drinks, baby food, soft drinks, cheese, ice cream, tea, cleaning agents, coffee, pet food, bottled water, toothpaste, chewing gum, frozen pizza, pregnancy tests, juice, margarine (Upfield), beauty products, personal care, breakfast cereals, pharmaceutical and consumer healthcare products.

CHALLENGE

- Increase in Azure spends
- Monitoring of performance of services
- Manual provisioning of services on Azure



ROI

- Reduced Azure spends
- Reduced incidents due to proactive maintained of services performance
- Increase response time for new service provision requests.

Technologies Used

- Azure
- Python
- Power BI

SOLUTION

Acuvate used its proprietary solution to reduce Azure spends, proactively monitor performance of services.

Solution Highlights

- AI based algorithms to identify Budget & Forecasting.
- Recommendation engine to reduce Azure costs
- Proactive monitoring of usage & performance of services
- Automation of service provisioning.
- Governance on the cost & usage.
- Intelligent anomaly detection system.
- Intelligent alerts notification system on costs & performance.



Govt Department

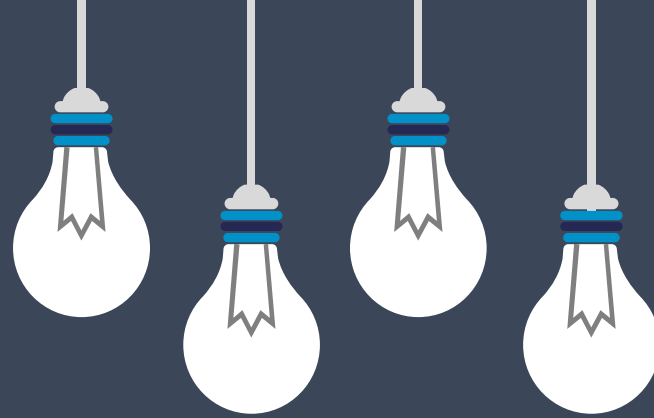
#Reduce Azure Spends #Anomaly Detection #Intelligent Notification #AI Based Actions

It the government department that manages the city's **water supply and works to reduce air, noise, and hazardous materials pollution.**

Under a **1.3-billion-dollar** budget, it provides more than 1.1 billion US gallons of water each day to more than 9 million residents through a complex network of reservoirs, lakes and 6,000 miles (9,700 km) of water mains, tunnels and aqueducts. It is also responsible for managing the city's combined sewer system, which carries both storm water runoff and sanitary waste, and fourteen wastewater treatment plants located throughout the city.

CHALLENGE

- Increase in Azure spends
- Missing data insights on cost
- Unidentified cost anomalies
- No intelligent notification system to overcome last minute spends



ROI

- Anomaly detection and Spend prediction using historical data
- Increased productivity of Azure support team
- Reduced Azure spent by 30%.
- Operations governance on cost

Technologies Used

- Azure Monitoring Services
- Python
- Power BI

SOLUTION

The solution was to bring down the Azure spends of different subscriptions.

Solution has the below features

- Proactive Recommendations
- Potential Savings
- Data insights on Budget & Forecast
- Operational governance on cost
- Intelligent Anomaly detection & notification system
- Intelligent robots to perform actions.



Who & Why

acuvate[®]
... where Acumen drives Innovation

USA | UK | Netherlands | India

14+
years in the industry

100+
Clients worldwide

28+
Enterprise AI Digital Agents Implemented

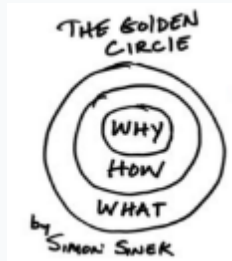
300+
SharePoint Implementations

70+
BI & Analytics Implementations

350+
Developers, Architects, UI/UX and BA/PMs



Our Focus



Awards, Mentions & Client Speak

“We love your company” – Jane Moran, Global CIO, Unilever

“Acuvate has been a strong partner in our digital transformation journey” – Kaveh Pourteymour, CIO, Seadrill

“An extremely innovative chatbot partner that is leading the AI revolution” - Eduardo Kassner, CTO, Microsoft OCP



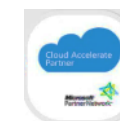
“**MESH** from Acuvate is a well-featured Intranet with streamlined content management capability, integrated social tools and exciting power-ups

“ Acuvate is a Major player in the emerging Global Bot Services Market

“**BotCore** is a Strong Enterprise Conversational AI Middleware Platform

“ Acuvate listed in **Gartner’s Market Guide for Data & Analytics Service Providers**

“ Acuvate received a mention in Gartner’s Hype Cycle for Human Capital Management Technology, 2020



Thanks

Any questions?

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🌐 acuvate.com

