



# AWS Resource

# Efficiency Suite



# Meet the Team



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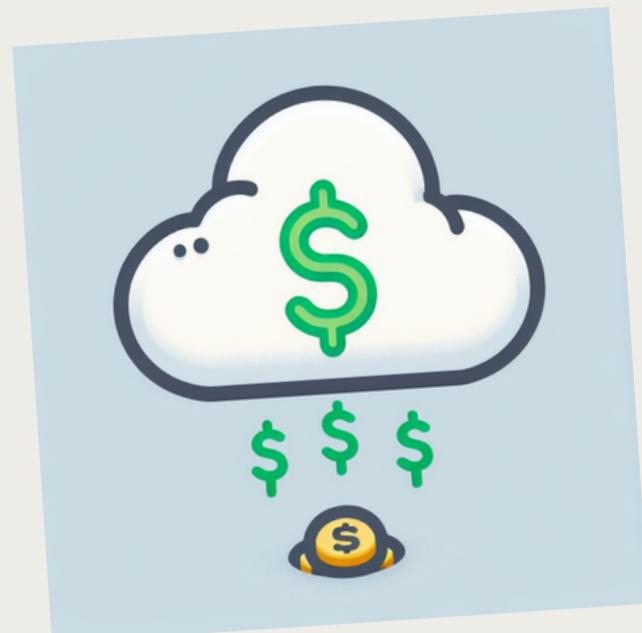
# Introduction

**Common Issue in AWS:** Services like EC2, DynamoDB, and more often left running unintentionally.

**Cost Implications:** Unused resources continue to operate, leading to unexpected charges.

**Example:** Temporary EC2 instances for projects that remain active post-completion.

**Goal:** Identify and eliminate unused resources to reduce unnecessary AWS costs.



# Problem Statement:



John – AWS Engineer



Working on POC in AWS Infrastructure



After Few Weeks,  
Realize didn't Spin down



Unhappy Employee  
& Company



# Solution:

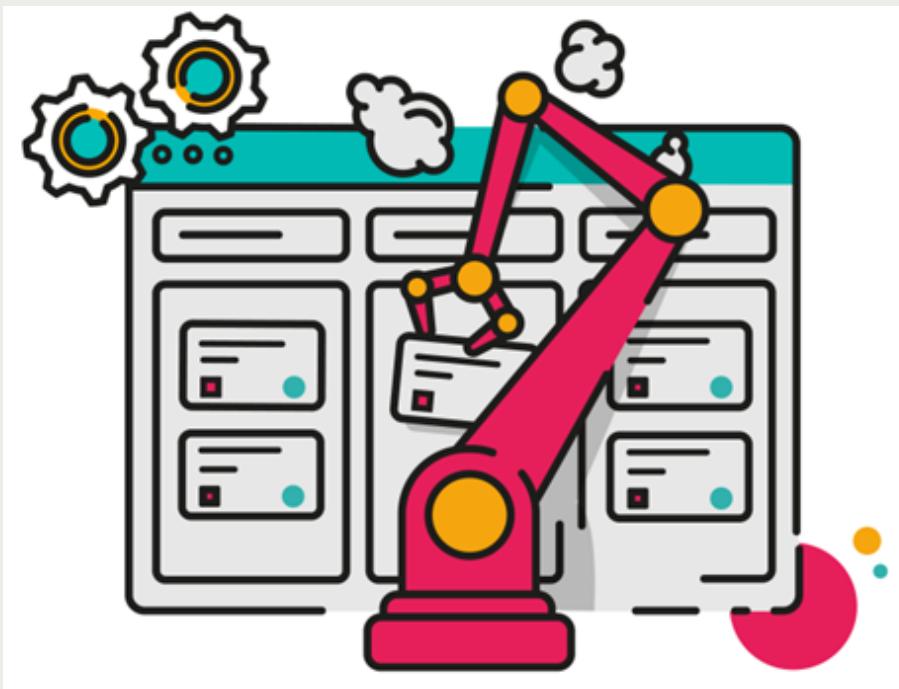
- Automated script runs at user-defined intervals to manage AWS resources efficiently.
- Evaluates creation date, last usage date, costs, and resource tags.
- Automatically stops unused resources, like EC2 instances, after an inactivity threshold.
- Identifies and manages unused resources, reducing unnecessary AWS costs.



# Real Example:



Project Infrastructure is  
Created on AWS



An Automation Script that  
handles the under utilized

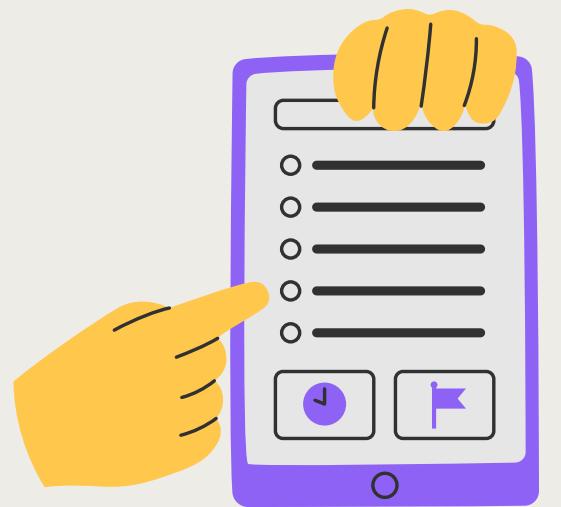


Spins down the resources  
using Automation



Happy Employees and  
Company

# Demo



# Value Potential



## To Company

**15-40% AWS Cost Reduction** – representing savings for the company.

## To Employee

**30-50% Reduction in Employee Workload** – showcasing automation benefits for employees.

## Impact

Guaranteed savings rather than speculative revenue



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# EC2 Cost

# Savings

Amazon EC2 (Elastic Compute Cloud) is a web service that provides secure, scalable cloud compute capacity, allowing users to run virtual servers on-demand.

Resource	Metric	Before implementation	After implementation	Estimated Monthly Savings
EC2 Instances	Number of instances	10000	8500	
	Underutilized Instances	1500(<10% CPU utilization)	0 (stopped)	
	Average Monthly Cost per instance	\$50	\$50	
	Total Monthly Cost	\$10,00,000	\$8,50,000	\$1,50,000 (25%)

**Total Saved: \$150,000**



Amazon  
EC2



# Thank you!

Have a great day ahead.

