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# AWS Account Management Design

Submitted by:

Infant Rex

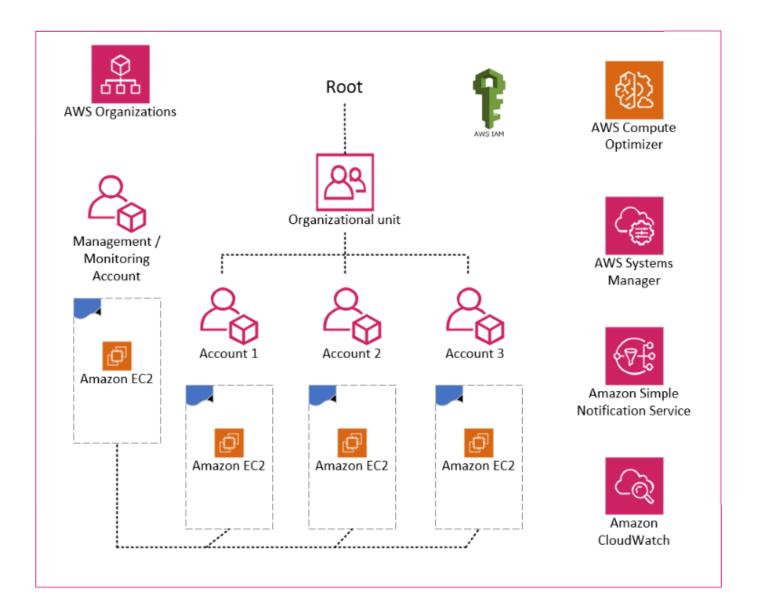
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# Requirement

The company has grown through acquisitions and now manages 3 separate AWS accounts, each containing numerous EC2 instances. The CTO has expressed concerns about potential disk space issues across these instances and wants a comprehensive solution to monitor disk utilization.

# High-Level Design



### **AWS Components**

#### Resolve performance issues by

implementing recommendations that identify under provisioned resources.

#### **Compute Optimizer**

Performance issue resolution

#### **AWS Organization**

Centralized management of multiple AWS accounts

To centrally manage and govern multiple AWS accounts as one organization.

Organizational units (OUs) to group accounts together to administer as a single unit

#### Simple **Notification** Service (SNS)

Automated notification system





#### **Identity and Access** Management (IAM)

Secure identity and access management

> Securely manage identities and access to AWS services and resources.

Set up cross-account IAM roles with least privilege for automation scripts and monitoring tools.

#### Automates the process of sending notifications to the attached subscribers for the metrics alarm created in cloud watch.



Centralized view of nodes across the organization



#### **CloudWatch**

Monitoring and observability service Monitoring and observability service to collect and track metrics, monitor log files, set alarms.

Install CloudWatch Agent on all EC2 instances to publish disk metrics (e.g., disk space, usage) using Ansible playbook.

Configure CloudWatch Cross-Account Observability to designate a monitoring account that can view data from other source accounts. Visualize using Amazon QuickSight or Grafana for centralized reporting.

Systems Manager provides a centralized view of nodes across organization and access instance information

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## Thank You

