



Cloud
Organization
Hierarchy:
Powering
Scalable and
Secure Cloud
Environments

Introduction to Cloud Organization Hierarchy

- Organization Hierarchy Models

Structured arrangements of cloud accounts, services, and identity controls within a cloud provider's environment.

- Ensuring Compliance, Security, and Cost Management

Hierarchical models enable logical separation of workloads, centralized governance, access control, and cost visibility.

- Cloud Provider Frameworks

AWS Organizations, Azure Management Groups, and GCP Organization Nodes facilitate multi-account governance and policy enforcement.

- Aligning with Business Objectives

Hierarchy design reflects an organization's structure, security boundaries, and regulatory needs for operational efficiency.

- Key Concepts: Root, Sub-Accounts, and Delegated Administration

Establishing a structured hierarchy with clear roles and responsibilities for effective cloud management.

- Enhancing Visibility and Control

Centralized monitoring, policy enforcement, and cost tracking through hierarchical frameworks.

Key Concepts of Cloud Organization Hierarchy

- Root Account

The highest-level authority responsible for managing all sub-accounts, projects, and services within the cloud environment.

- Sub-Accounts

Discrete cloud accounts that are created within the hierarchy to segment workloads based on business functions, security policies, or compliance requirements.

- Organizational Units (OUs)

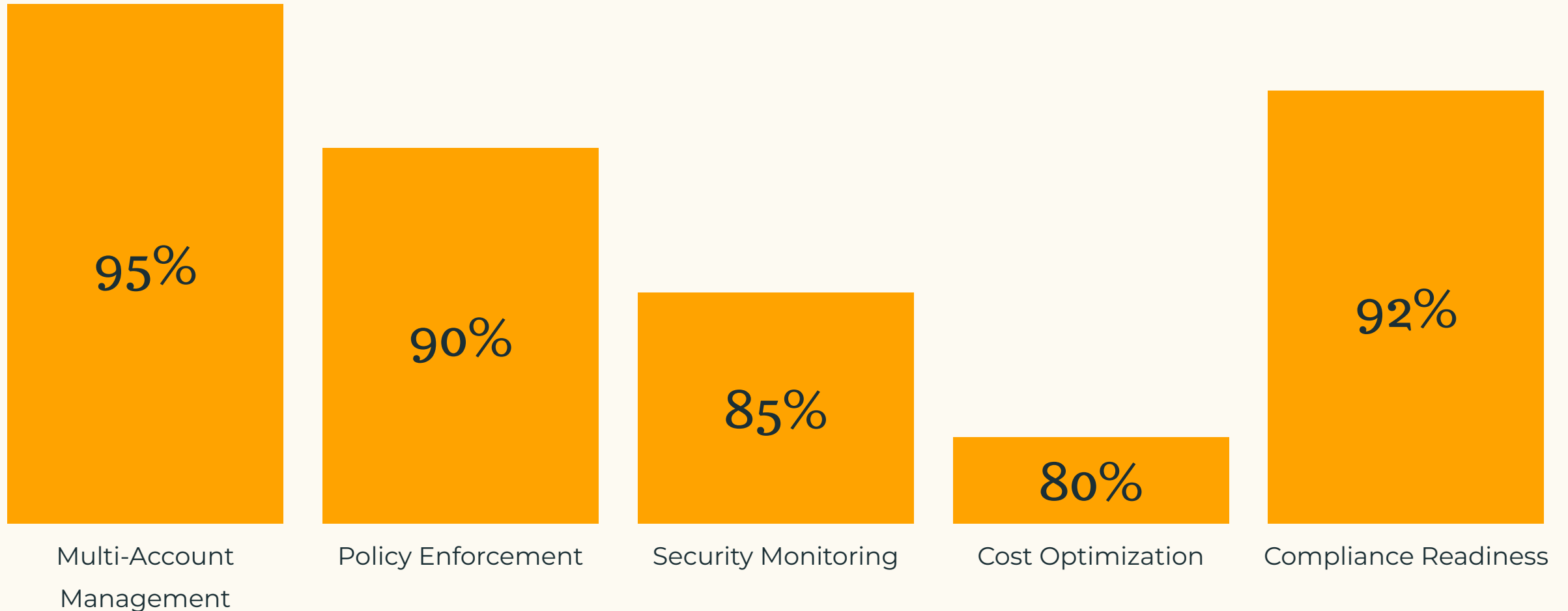
Logical groupings of sub-accounts that enable the application of common policies, access controls, and governance frameworks across related cloud resources.

- Delegated Administration

The ability to assign specific roles and responsibilities to different teams or individuals within the cloud hierarchy, while maintaining clear security boundaries.

Cloud Provider Hierarchy Capabilities

Comparison of multi-account governance, policy enforcement, and security management features across leading cloud providers

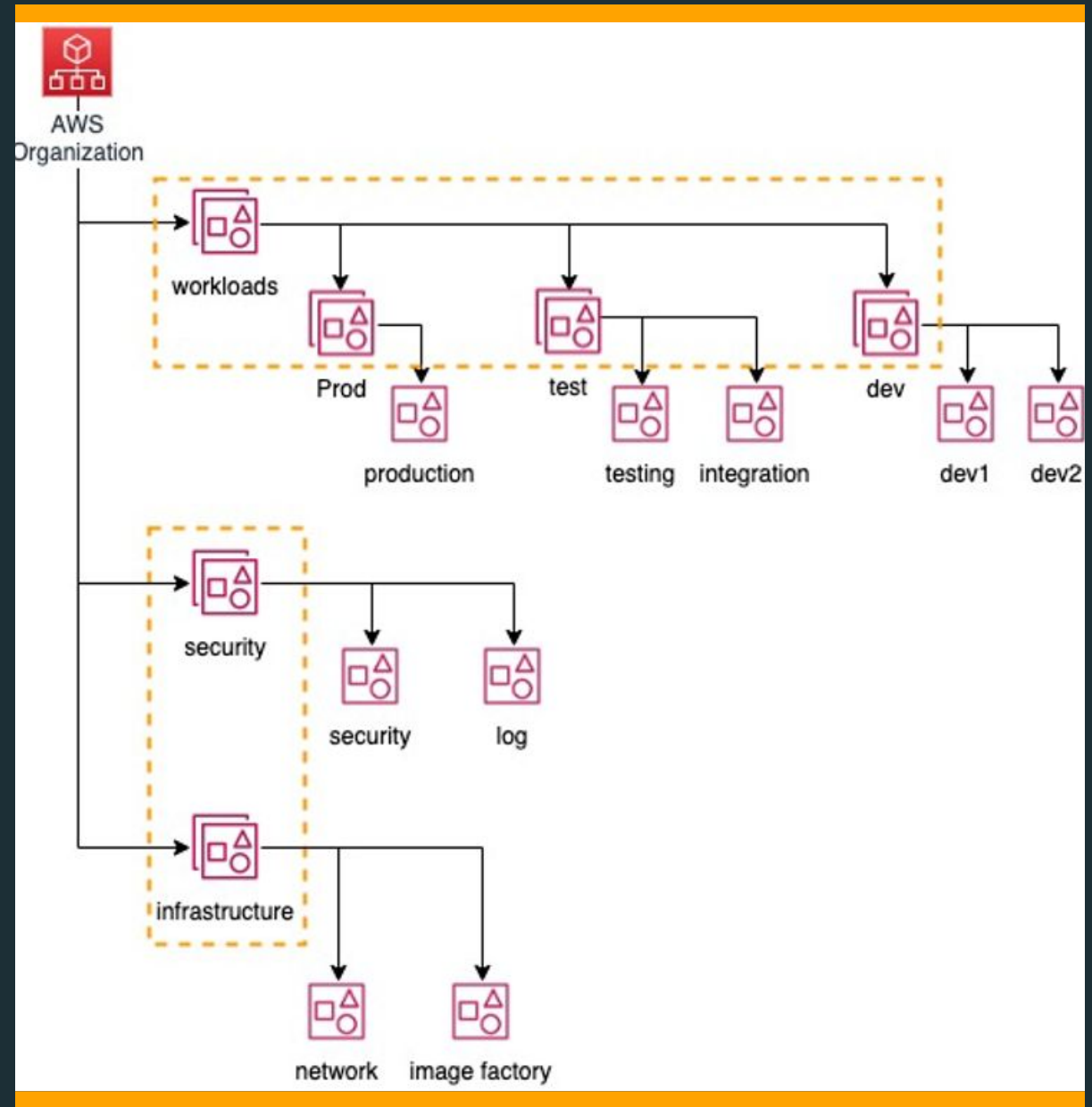


Building an Effective Cloud Hierarchy



Case Study: Financial Institution's Multi-Account Strategy

A global financial services firm sought to migrate its operations to the cloud while ensuring security, regulatory compliance, and cost management. The company needed a multi-account strategy to segment workloads while adhering to PCI-DSS, GDPR, and other financial regulations.



Key Benefits of Structured Cloud Hierarchy

Enhanced Security

Enables access control, policy enforcement, and workload segmentation to minimize risk and unauthorized access.

Improved Compliance

Ensures adherence to industry regulations and standards through centralized policy management and monitoring.

Optimized Costs

Provides visibility into resource utilization and enables cost allocation across business units for better financial management.

Scalable Governance

Allows for easy expansion of cloud footprint while maintaining consistent security, compliance, and cost controls.

Centralized Visibility

Offers a single pane of glass for monitoring cloud activities, security events, and resource utilization.

Streamlined Operations

Simplifies management of cloud resources, roles, and policies through a structured, hierarchical approach.

AWS Organizations and Best Practices



Centralized Governance

Automated Account Provisioning

Consolidated Billing
and Cost Visibility

Granular Access Control with IAM Policies

Azure Management Groups and Subscriptions



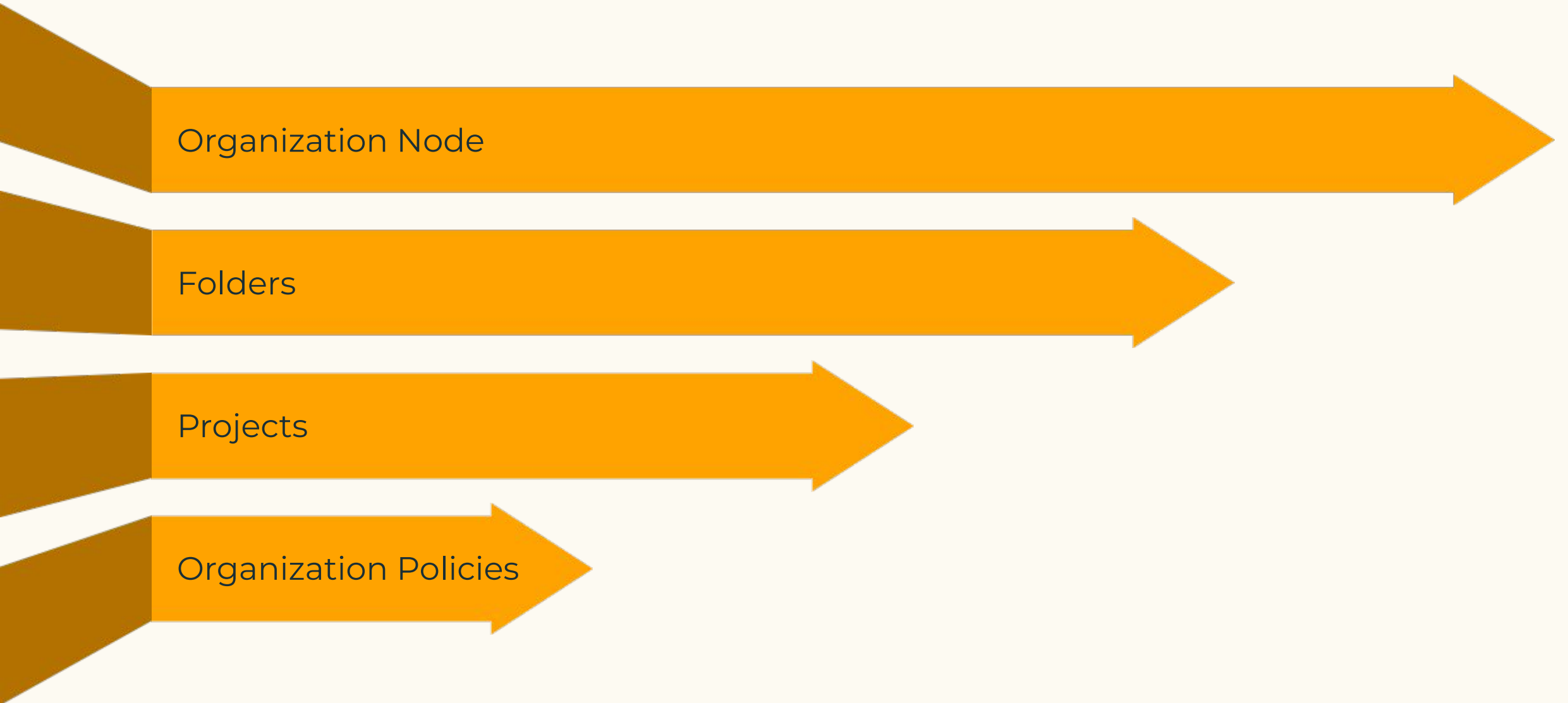
Management Groups

Subscriptions

Resource Groups

Policy Enforcement

Google Cloud Resource Hierarchy



Enhancing Cloud Security and Compliance

Cloud organization hierarchy models play a crucial role in supporting broader security governance and compliance initiatives within cloud environments. These hierarchical structures provide the foundation for implementing robust security controls, enforcing policies, and ensuring regulatory adherence across an organization's cloud infrastructure.





Conclusion: Embracing the Power of Cloud Hierarchy

