

AWS Cloud

An Introduction

Identity & Access Management

American Tamil Media
Academy



அமெரிக்கத்
தமிழ் ஊடகம்

தமிழ் எங்கள் மூச்சு



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About

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2020-08-23

What is **Cloud Computing**?



Amazon Identity & Access Mgmt IAM

Components of IAM

- ✔ User
- ✔ Group
- ✔ Role
- ✔ Policy



Amazon Identity & Access Mgmt IAM

IAM - Best Practice

- ✔ Strong password policy
- ✔ Multi-Factor Authentication
- ✔ Least Privilege



Amazon Identity & Access Mgmt IAM

Features of IAM

- ✓ Centralized Control
- ✓ Fine Grained Access Control
- ✓ Integration with Corp DS
- ✓ Global



Amazon Identity & Access Mgmt IAM

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Amazon Identity & Access Mgmt IAM

IAM User

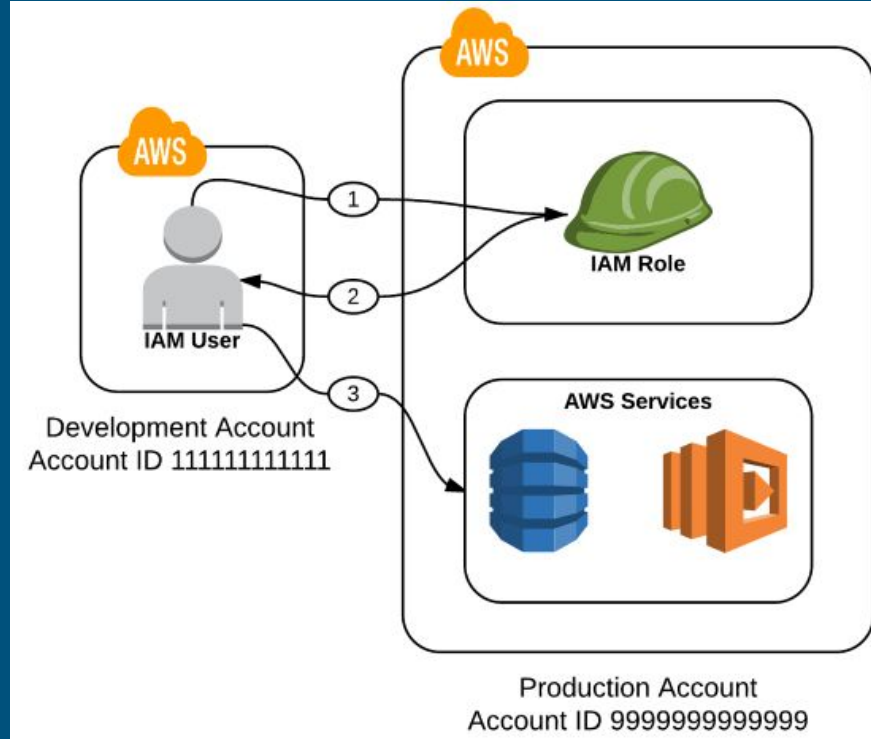
- ✔ Default : No Access
- ✔ Power user Vs. Administrator
- ✔ Belong to Multiple groups
- ✔ Console &/or API Access



Amazon Identity & Access Mgmt IAM

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Amazon Identity & Access Mgmt IAM

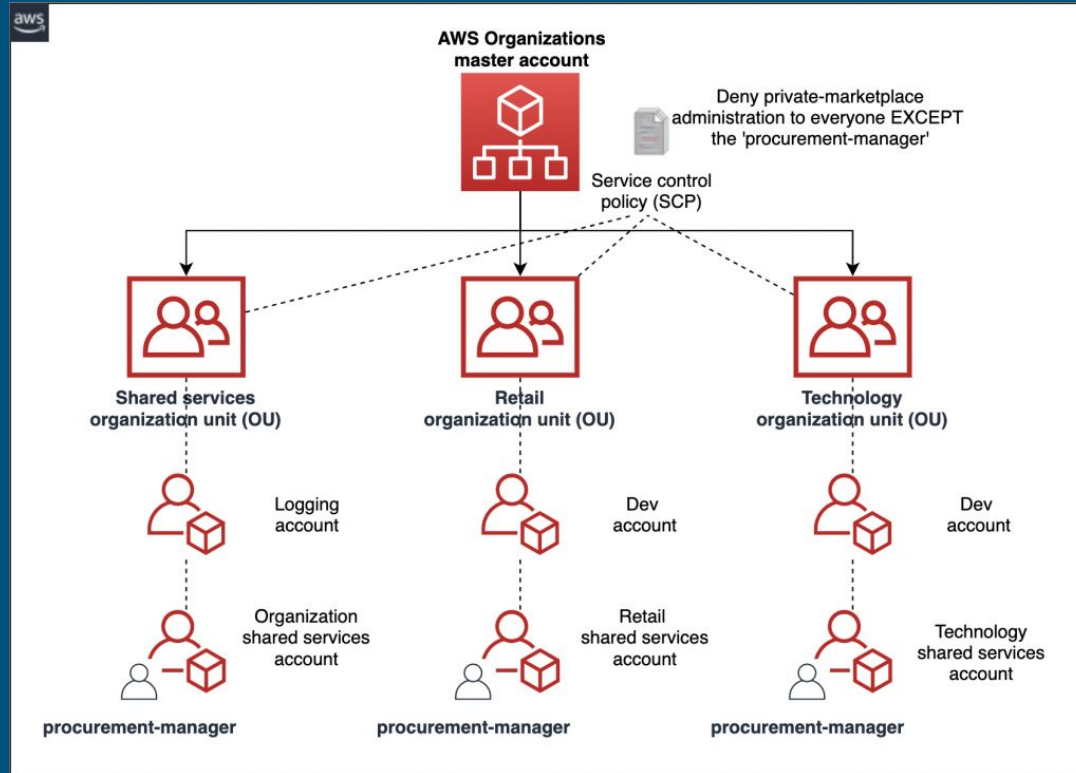
IAM User

- ✔ Console - User account & password
- ✔ API - Access Key & Secret Key
- ✔ Root - different signin URL
- ✔ No Region restriction- Global



Amazon Identity & Access Mgmt IAM

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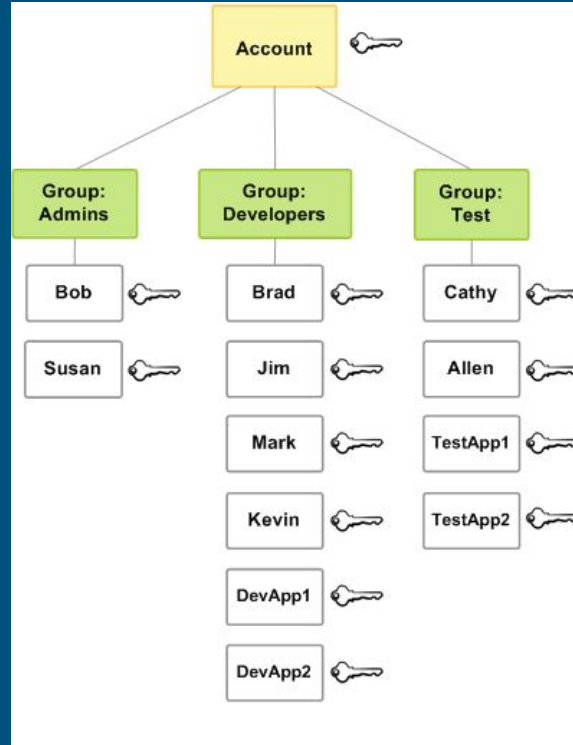
IAM Group

- ✔ Collection of Users
- ✔ Many to Many (User \leftrightarrow Group)
- ✔ Group is NOT an Identity
- ✔ Simplified user management



Amazon Identity & Access Mgmt IAM

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Amazon Identity & Access Mgmt IAM

IAM Policy

- ✔ Define Access to Resource
- ✔ Attach to ID or Resource
- ✔ AWS Vs. Customer Managed
- ✔ JSON Document / Statement



Amazon Identity & Access Mgmt IAM

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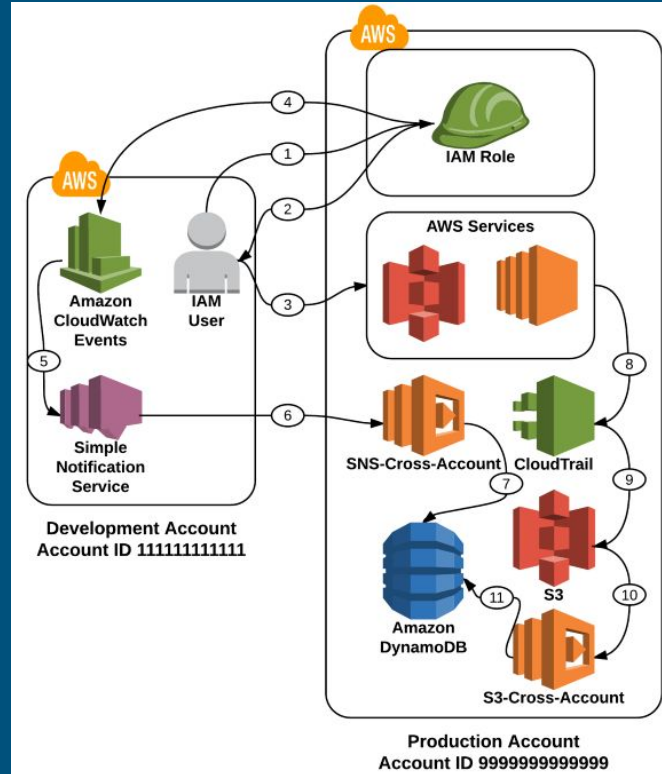
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Amazon Identity & Access Mgmt IAM

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Questions?

