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# IAM Quick Check – Foundation to Expert





# Introduction to IAM

## What is IAM?

**Protects data and resources by authenticating users, managing their access, and enforcing policies.**

**Foundation for compliance, Zero Trust, and incident response in any organization.**

**Encompasses: user provisioning, de-provisioning, role/permission structure, access reviews.**

**Career Impact: Mastering IAM makes you central to any enterprise's cyber defense and digital business transformation.**



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# Active Directory (AD) – Deep Dive

## Core Components

**Domain Controllers:** Deploy and manage the backbone of network authentication and policy enforcement.

**Organizational Units (OU):** Structure resources for scalable delegation and management.

**Operations Masters (FSMO Roles):** Understand critical tasks divided among server roles for consistency.

### **User & Group Management**

Create and administer user/computer accounts for least-privilege, audit-ready environments.

Master permission assignments, nested groups, and group policy links.

### **Authentication Methods**

Grasp differences and practical uses of NTLM, Kerberos.

Implement and troubleshoot Multi-Factor Authentication (MFA) for AD.



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# Active Directory (AD) – Deep Dive Core Components

## Hands-On Focus:

Deploy your own domains, OUs, users/groups

Reset passwords, audit logins, delegate admin roles





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# Azure Entra ID – Cloud Identity Mastery

## Hybrid Identity

Connect on-prem AD to Azure Entra ID for unified user experience.

Sync users/devices, manage hybrid join, and conditional access.

## Federation & Modern Auth

Enable secure Single Sign-On for internal/external users (B2B/B2C).

Configure OAuth, SAML, OpenID Connect for SaaS and on-prem apps.

## Security & Monitoring

Configure Self Service Password Reset (SSPR) securely.

Set up Azure Multi-Factor Authentication for cloud and hybrid users.

Monitor risky sign-ins, audit activity via Azure AD logs.



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# Azure Entra ID – Cloud Identity Mastery

## Enterprise Application Management:

Integrate third-party SaaS apps, streamline provisioning.

Fine-tune just-in-time access, consent, and SSO for external partners/consumers.

## Hands-On Focus:

Simulate hybrid join, federation setup, enforce MFA/SSPR, provision SaaS app access.



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# **Delinea PAM – Privileged Access Management**

## **Why PAM?**

**80% of breaches involve compromised privileged accounts.**

## **Core Concepts**

**Discover and classify privileged accounts.**

**Credential vaulting—rotate passwords, manage secrets.**

**Session recording and auditing.**

## **Real-World Scenarios**

**Secure domain admin, root, and cloud admin accounts.**

**Mitigate risks: least privilege, separation of duties, just-in-time access.**

## **Hands-On Focus:**

**Implement credential vaults, configure session recording, analyze privilege escalation attempts.**



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## Okta – Modern Identity Platform

**Single Sign-On (SSO)**: Secure hundreds of cloud and on-prem apps with one login.

**Multi-Factor Authentication (MFA)**: Layered defense for users across all platforms.

**Universal Directory**: Harmonize identity sources for seamless workforce/customer management.

**Lifecycle Management**: Automate onboarding/offboarding, reduce insider threats, enforce compliance.

**SaaS Application Integration**: Centralize user provisioning, de-provisioning, and password policies.

**Hands-On Focus:**

Set up SSO for SaaS and custom apps.

Practice advanced lifecycle flows for staff, partners, and customers.



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## Key Security & Business Takeaways

Defend the Enterprise: From internal HR files to SaaS platforms, your identity controls will stop lateral movement and insider threats.

Compliance Ready: Designs learned will help with GDPR, ISO 27001, SOX, and more.

Business Productivity: Streamline access, enable secure remote work, and reduce IT overhead.

**TAKEAWAY**



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## Wiseman CyberSec Advantage

**Live Scenario Labs:** Practice deployments, troubleshooting, attack simulations—real skills, not just theory.

**Cross-Platform Proficiency:** Become fluent in AD, Azure Entra ID, Okta, Delinea PAM—all in one batch.

**Mentoring & Support:** Direct interaction with expert instructors, ready to solve complex real-world challenges.

### **Ready for IAM Mastery?**

**Job-Ready:** Walk out prepared for AD, Azure, PAM, or Okta specialist roles, cloud migrations, audits, and more.

**Career Edge:** IAM is one of the TOP 3 global infosec roles for 2025. Hybrid/multi-cloud skills are HOT.

**Network & Placement:** Access Wiseman's internship and career network for immediate industry advantage.



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