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## IAM Solution Design Document for TechCorp Enterprises

### Introduction

TechCorp Enterprises has embarked on a digital transformation journey, requiring enhanced security and efficient user lifecycle management. Our IAM solution design addresses these needs by proposing comprehensive solutions that align with TechCorp's existing business processes and broader business objectives.

### User Lifecycle Management

To enhance user lifecycle management, we propose the following IAM solution:

- **Automated Provisioning:** Implement a provisioning workflow using Oracle Identity Manager (OIM) to automate the creation of new user accounts and grant necessary access rights upon employee onboarding.
  - Technology: OIM will be used to integrate with TechCorp's existing HR system for automated user account creation and assignment of access rights based on job functions.
  - Alignment: This solution aligns with TechCorp's business process of onboarding new employees, ensuring timely and secure provisioning of user accounts.
- **Role-Based Access Control (RBAC):** Implement RBAC using Oracle Identity Governance Suite (OIG) to ensure that users are assigned roles based on their job functions, granting them only the necessary permissions and access rights.
  - Technology: OIG will be used to manage roles and assign access rights to users based on their job functions.
  - Alignment: This solution aligns with TechCorp's business process of managing employee roles and responsibilities, ensuring that users have the necessary access rights to perform their job functions.
- **Access Request Management:** Develop a self-service portal using Oracle Access Manager (OAM) for employees to request access to new systems, applications, or data repositories.
  - Technology: OAM will be used to manage access requests and automate the approval process.
  - Alignment: This solution aligns with TechCorp's business process of requesting access to new resources, streamlining the process and reducing manual intervention.

### Access Control Mechanisms

To strengthen access control mechanisms, we propose the following IAM solution:

- **Multi-Factor Authentication (MFA):** Implement MFA using Oracle Identity Cloud Service (IDCS) for secure login and access to sensitive resources.
  - Technology: IDCS will be used to provide an additional layer of security for login and access to sensitive resources.
  - Alignment: This solution aligns with TechCorp's business process of securing sensitive resources, providing an additional layer of security for users.
- **Least Privilege Access:** Enforce least privilege access using Oracle Identity Governance Suite (OIG) to grant users only the necessary permissions and access rights required to perform their job functions.
  - Technology: OIG will be used to manage roles and assign access rights based on user job functions, ensuring least privilege access.
  - Alignment: This solution aligns with TechCorp's business process of managing employee roles and responsibilities, ensuring that users have the necessary access rights to perform their job functions.

### **Alignment with Business Processes**

Our IAM solutions are designed to align with TechCorp's existing business processes, streamlining operations and contributing to increased efficiency. The solutions will:

- Automate user account creation and assignment of access rights during onboarding
- Provide a self-service portal for employees to request access to new resources
- Enforce least privilege access and role-based access control

### **Alignment with Business Objectives**

Our IAM solutions support TechCorp's broader business objectives by:

- Enhancing security through automated provisioning, MFA, and least privilege access
- Improving the user experience through self-service portals and streamlined processes
- Contributing to TechCorp's competitive edge in the technology industry by providing secure and efficient user lifecycle management

### **Rationale**

We have chosen Oracle Identity Manager (OIM), Oracle Identity Governance Suite (OIG), and Oracle Access Manager (OAM) as our IAM solutions because they are scalable, highly secure, and provide robust role-based access control and automation capabilities. These technologies align with TechCorp's existing infrastructure and will ensure a seamless integration with their existing systems.

### **Conclusion**

Our IAM solution design addresses the specific needs of TechCorp Enterprises by providing comprehensive solutions for user lifecycle management and access control mechanisms. Our solutions are designed to align with TechCorp's existing business processes, support their broader business objectives, and contribute to increased efficiency and security.