# Acme Manufacturing Cloud Migration: Detailed Team Roles & Responsibilities

This document outlines the specific roles and responsibilities of each team member for the Acme Manufacturing cloud migration project. It emphasizes the alignment between individual tasks, the AWS console steps, the overall architecture, and security best practices. This document is crucial for project management and task assignment.

**I. Project Phases:**

The cloud migration project is divided into four phases:

1. **Assessment & Planning:** Focuses on discovery, analysis, strategy definition, and planning.
2. **Pilot Migration:** Migrates a small, non-critical application to validate the approach.
3. **Gradual Migration:** Migrates the remaining applications incrementally, prioritizing based on business impact and dependencies.
4. **Optimization & Automation:** Fine-tunes the cloud environment, automates processes, and ensures ongoing optimization and efficiency.

**II. Team Roles and Responsibilities:**

**A. Yanga Mgudwa (Overall Lead):**

- **Overall Project Management:** Responsible for the overall project management, ensuring adherence to timelines, budget, and scope. Coordinates all team members and acts as the primary point of contact with Acme Manufacturing stakeholders.
- **Strategy Definition:** Leads the definition of the overall cloud migration strategy, outlining target architecture, migration approach, timelines, and resource allocation.
- **Risk Management:** Develops and manages risk mitigation plans.
- **Communication:** Develops and manages the project communication plan. Facilitates communication between the team, Acme Manufacturing, and AWS.
- **Oversight:** Oversees all phases of the project, ensuring alignment with the overall architecture and best practices.

**B. Tsakani (Application Architect):**

- **Application Portfolio Analysis:** Analyzes Acme's application portfolio, identifying dependencies and complexities. Prioritizes applications for migration based on business criticality and technical feasibility.
- **Migration Strategy Recommendation:** Recommends appropriate migration strategies for each application (rehost, refactor, replatform, repurchase, retire).

- **Migration Plan Development:** Creates detailed migration plans for each application, outlining steps, dependencies, and timelines.
- **Application Migration Execution:** Executes the application migration as per the defined plans, ensuring proper testing and validation.
- **Automation:** Contributes to the automation of deployment and management processes.

**C. Bushy (Data Architect):**

- **Data Assessment:** Performs a thorough assessment of Acme's data, including volume, type, sensitivity, and compliance requirements.
- **Data Migration Strategy:** Develops a comprehensive data migration strategy and plan, outlining procedures and tooling (e.g., AWS DMS, Snowball).
- **Data Migration Execution:** Executes data migration as per the plan, ensuring data integrity and compliance.
- **Data Security:** Ensures that data is protected during the migration process.

**D. Yamkelani (Performance Engineer):**

- **Performance Assessment:** Conducts performance assessments of applications before and after migration. Identifies potential bottlenecks and performance issues.
- **Optimization Recommendations:** Provides recommendations for performance optimization, including instance sizing, configuration tuning, and caching strategies.
- **Performance Monitoring:** Monitors application performance post-migration and identifies areas for ongoing optimization.

**E. Lusanda (Security Engineer):**

- **Security Assessment:** Performs a comprehensive security assessment of Acme's existing infrastructure and identifies potential vulnerabilities.
- **Security Recommendations:** Develops security recommendations and mitigation strategies for the cloud migration. Ensures that security best practices are implemented throughout the project.
- **Security Monitoring:** Implements and monitors security best practices (IAM roles, encryption, security groups) to protect sensitive data and applications in the cloud environment.
- **Compliance:** Ensures compliance with relevant security regulations and standards.

**III. Communication and Collaboration:**

Regular team meetings and communication channels (e.g., Slack, Microsoft Teams) will be utilized to ensure effective communication and collaboration. All documentation will be housed in a centralized repository with version control. Each team member is responsible for keeping their assigned documents up-to-date and consistent.

This document provides a high-level overview. More detailed task breakdowns and responsibilities will be defined in subsequent project documentation. This document will be

reviewed and updated regularly to reflect project progress and any changes to roles and responsibilities.