

# Solution Architecture

Date	13 NOVEMBER 2025
Team ID	NM2025TMID02267
Project Name	<b>Optimizing Users ,Groups and Role Management with Access Control and Workflows</b>
Maximum Marks	4 Marks

## GOALS OF ARCHITECTURE:

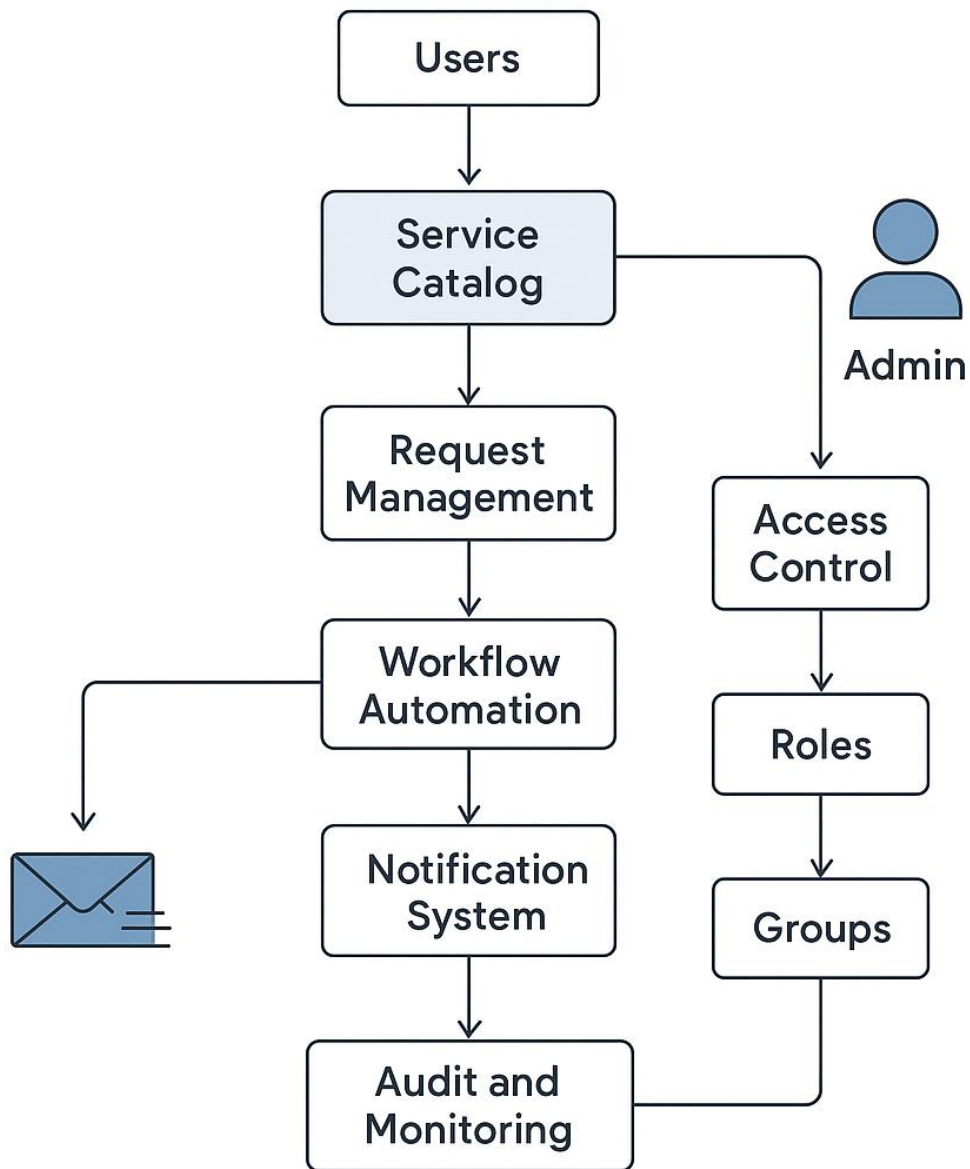
- 1) **Security:** Ensure that only authorized users can access specific data and functionalities.
- 2) **Automation:** Reduce manual intervention through workflow-driven role assignments.
- 3) **Transparency:** Maintain full visibility of user activities and access requests.
- 4) **Scalability:** Design the system to support organizational growth and multiple departments.
- 5) **Compliance:** Align access control with organizational and regulatory policies.

## KEY COMPONENTS:

- 1) **Users Management** – Handles user creation, authentication, and activity tracking.
- 2) **Groups Management** – Organizes users into groups with shared permissions.
- 3) **Role Management** – Defines and assigns roles with specific access levels.
- 4) **Access Control** – Enforces permissions using RBAC or ABAC policies.
- 5) **Workflow Management** – Automates approvals, tasks, and process tracking.

# SOLUTION ARCHITECTURE

Optimizing Users, Groups, and Role Management  
with Access Control and Workflows



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