

Project Design Phase

Solution Architecture

Date	19 February 2026
Team ID	LTVIP2026TMIDS37339
Project Name	Asset Management Portal
Maximum Marks	4 Marks

Solution Architecture:

The Asset Management Portal is a centralized web-based system developed using the ServiceNow platform. It aims to streamline the asset lifecycle — from request and allocation to maintenance and disposal — through automation, real-time tracking, and notification mechanisms. This solution architecture bridges organizational operational inefficiencies by leveraging low-code development, built-in workflows, and integrations within ServiceNow's secure cloud infrastructure.

✦ Solution Goals:

- ✓ Provide a centralized platform for managing physical and digital assets.
- ✓ Automate asset allocation, maintenance alerts, and status transitions.
- ✓ Enable real-time reporting and visual insights for IT administrators.
- ✓ Ensure secure, scalable, and high-performance architecture using ServiceNow.

Example - Solution Architecture Diagram:

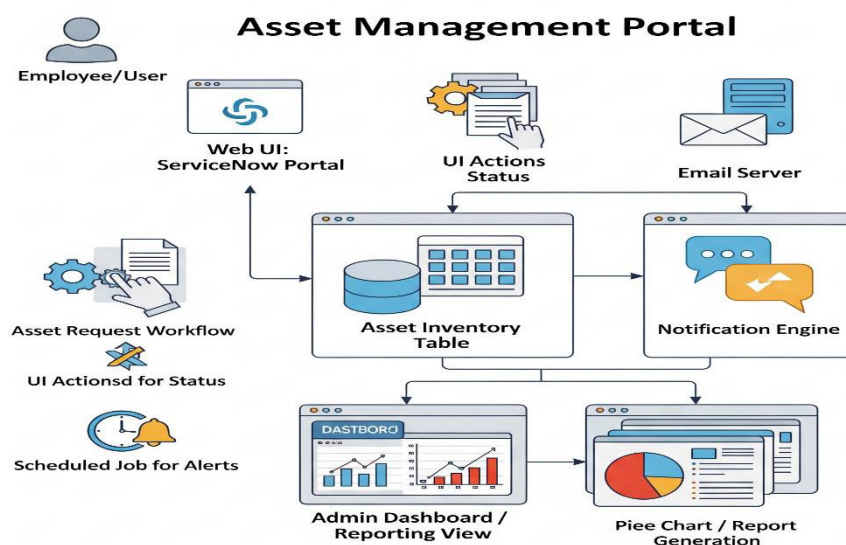


Figure 1: Architecture and data flow of the sample application

Reference:

- **ServiceNow Architecture Overview**
- [C4 Model for Software Architecture](#)
- [AWS Architecture Examples](#)
- [Voice App on AWS – Architecture Reference](#)