

## Project Design Phase Solution Architecture

Date	29 JUNE 2025
Team ID	LTVIP2025TMID30344
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:

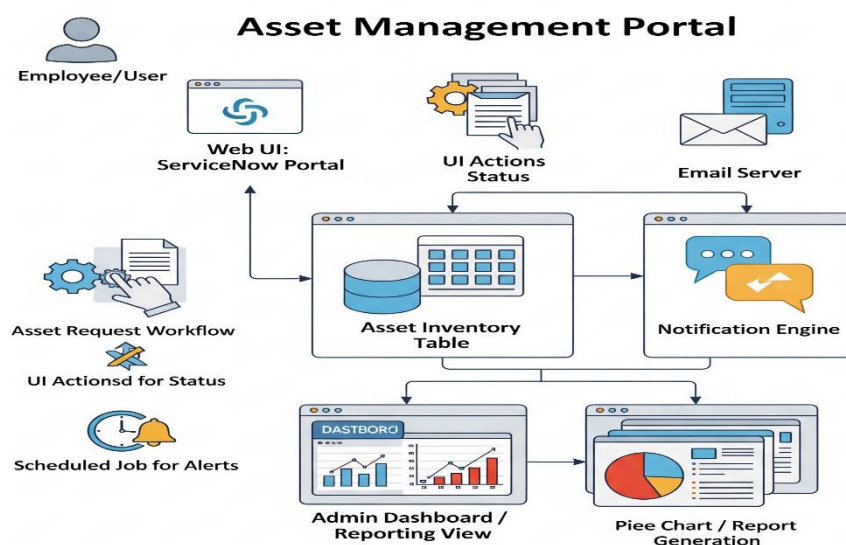


Figure 1: Architecture and data flow of the sample application

**Reference:**

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