Project Design Phase–II

Technology Stack (Architecture & Stack)

Date	15 February 2026
Team ID	LTVIP2026TMIDS78015
Project Name	Importing & Securing Data in ServiceNow
Maximum Marks	4 Marks

Technical Architecture
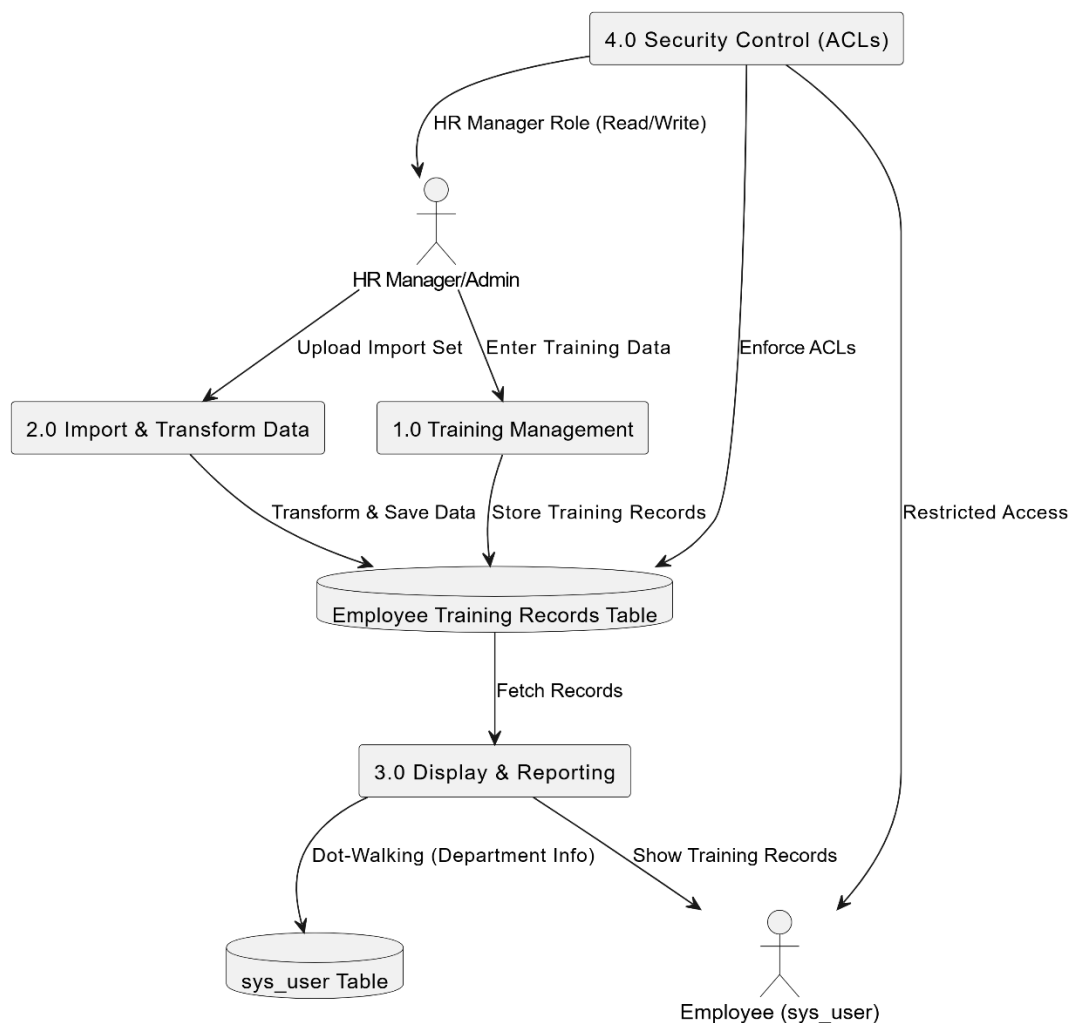
The Importing & Securing Data in ServiceNow follows a **cloud-based ServiceNow architecture**, integrating user interaction, application logic, database storage, and security mechanisms within a unified platform.

Table-1 : Components & Technologies

S.No	Component	Description	Technology
1	User Interface	Interface used by HR Managers and administrators to manage employee training records.	ServiceNow Classic UI
2	Application Logic-1	Data import and transformation of employee training records.	Import Sets & Transform Maps
3	Application Logic-2	Business rules for managing employee training information.	ServiceNow Server-side Scripts
4	Application Logic-3	Retrieval of employee department details using relationships.	Reference Fields & Dot-Walking
5	Database	Storage of employee training and user information.	ServiceNow Cloud Database
6	Access Control Layer	Secure access management for training records.	ACL (Access Control Rules)
7	Infrastructure	Application development and deployment environment.	ServiceNow Studio & Developer Instance

Table-2 : Application Characteristics

S.No	Characteristics	Description	Technology
1	Platform Framework	Built using ServiceNow low-code development environment.	ServiceNow Platform
2	Security Implementations	Role-based access control for sensitive employee training data.	Roles & ACLs
3	Scalable Architecture	Cloud-based architecture separating presentation, logic, and data layers.	ServiceNow Multi-tier Architecture
4	Availability	Accessible through web browser anytime for authorized users.	ServiceNow Cloud Infrastructure
5	Performance	Fast retrieval and display of training records and department information.	Optimized ServiceNow Tables & Queries