

# SkillSync – Phase 8: Data Management & Deployment

**Project Title:** SkillSync- Knowledge and Expertise Management

Phase 8: Data Management & Deployment

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In the **SkillSync** project, data management and deployment were handled with the following approach:

- **Change Sets / VS Code / SFDX**

Since the development was carried out in a free **Developer Edition org**, traditional sandbox-to-production deployment was not applicable. Instead, **Salesforce Extensions for VS Code** and **SFDX CLI** were utilized for developing and deploying Lightning Web Components (LWCs), Apex classes, and triggers within the same environment. This ensured efficient development, version control, and real-time testing without migration overhead.

- **Unmanaged Packages**

All SkillSync components—including **custom objects (Employee, Mentor, Admin, Session, Feedback)**, **Lightning Web Components**, and **Apex triggers/handlers**—were packaged as **unmanaged components**. This approach was chosen to maintain flexibility, allowing future administrators or developers to customize, extend, or modify the components directly in the org.