**Phase 8: Data Management & Deployment**

**1. Data Import Wizard**

* Import records for standard and custom objects using a guided wizard.
* **Navigation**: Setup → Data → Data Import Wizard → Select Object → Map Fields → Start Import.

**2. Data Loader**

* Bulk import, export, update, or delete records using CSV files.
* **Navigation**: Install Data Loader → Open → Login to Org → Choose Operation (Insert, Update, Upsert, Delete, Export) → Map Fields → Execute.

**3. Duplicate Rules**

* Prevent duplicate records during data entry or import.
* **Navigation**: Setup → Duplicate Management → Duplicate Rules → New → Define Matching Rules → Save & Activate.

**4. Data Export & Backup**

* Schedule exports for backup purposes.
* **Navigation**: Setup → Data → Data Export → Schedule Export → Select Objects → Start Export.

**5. Change Sets**

* Deploy metadata between Salesforce orgs.
* **Navigation**: Setup → Outbound Change Sets → New → Add Components → Upload to Target Org → Inbound Change Sets → Deploy.

**6. Unmanaged vs Managed Packages**

* **Unmanaged Package** → Used for templates or sample apps.
* **Managed Package** → Used for distributing apps with version control.
* **Navigation**: Setup → Packages → New → Add Components → Upload.

**7. ANT Migration Tool**

* Command-line tool to deploy metadata between orgs.
* **Navigation**: Download Salesforce ANT Tool → Configure build.xml → Run ant deploy or ant retrieve.

**8. VS Code & SFDX**

* Use Salesforce CLI and VS Code for source-driven development.
* **Navigation**: VS Code → Install Salesforce Extensions → Authenticate Org → Retrieve/Deploy Metadata → Execute SFDX commands.

