

## 1. Named Credentials

- Named Credentials simplify **authentication** for external systems.
- Example: Connect Replastix CRM to external waste tracking system securely.
- Setup: **Setup → Named Credentials → New Named Credential**
- **Screenshot placeholder:** Named Credential configuration

## 2. External Services

- Allows Salesforce to **consume APIs declaratively**.
- Example: Replastix calls a third-party logistics API to schedule product delivery.
- Setup: **Setup → External Services → Register Service**
- **Screenshot placeholder:** External Service registration

## 3. Web Services (REST/SOAP)

- Salesforce can expose and consume **REST or SOAP web services**.
- Example: REST service to push Recycled Product data to partner portal.
- **Screenshot placeholder:** REST/SOAP API example

## 4. Callouts

- Apex **HTTP Callouts** connect to external services.
- Example: Automatically update inventory levels on partner systems.
- **Screenshot placeholder:** HTTP Callout in Apex

## 5. Platform Events

- Event-driven architecture to communicate **real-time changes**.
- Example: Fire an event when Plastic Waste status changes to Recycled.
- **Screenshot placeholder:** Platform Event setup

## 6. Change Data Capture (CDC)

- Automatically track changes in Salesforce records.
- Example: Detect updates in Orders to notify the delivery system.
- Setup: **Setup → Change Data Capture → Enable Objects**
- **Screenshot placeholder:** CDC setup

## 7. Salesforce Connect

- Access external data without storing it in Salesforce.
- Example: Connect to external inventory database to view stock.
- **Screenshot placeholder:** Salesforce Connect external object

## 8. API Limits

- Monitor **API usage** to avoid hitting limits.
- Setup: **Setup → System Overview → API Usage**
- **Screenshot placeholder:** API usage dashboard


## 9. OAuth & Authentication

- OAuth secures API access for external applications.
- Example: Authenticate third-party apps to update Replastix CRM.
- **Screenshot placeholder:** OAuth configuration

## 10. Remote Site Settings

- Define which external URLs Salesforce can call.
- Setup: **Setup → Remote Site Settings → New Remote Site**
- Example: Allow callouts to partner logistics API.
- **Screenshot placeholder:** Remote Site Settings

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 **Result of Phase 7:** - Replastix CRM integrated with external systems securely - Real-time updates through Platform Events & CDC - External data access without duplication using Salesforce Connect - APIs authenticated and monitored for seamless external communication