

## INTEGRATION PROJECTS

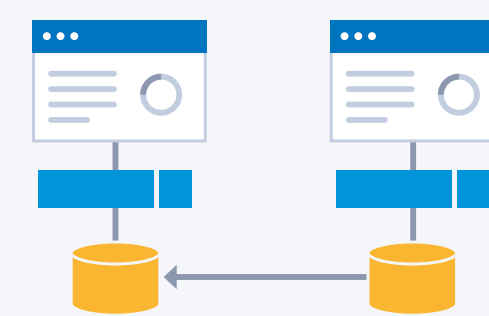
Integration projects help design and connect subsystems. Many projects are multifaceted, and can involve both internal and external systems. Here are the six most common integration scenarios.

### Information Portal



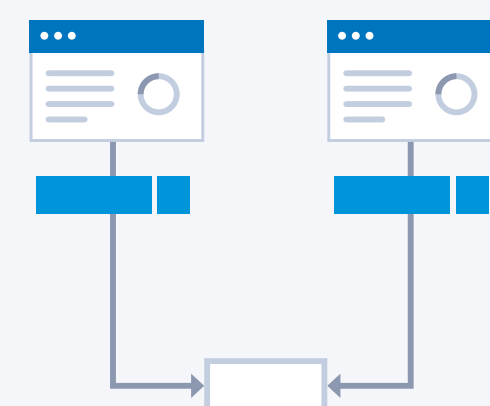
- Aggregates info from multiple systems
- Users work with a single system
- Displays information via screen zones

### Data Replication



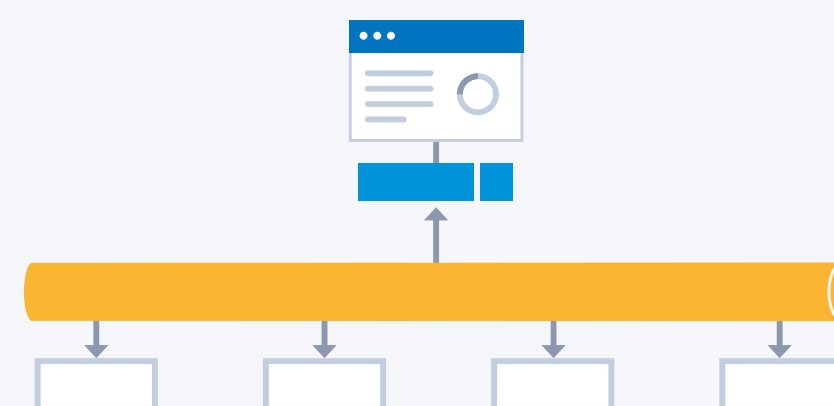
- Accessed by multiple systems at once
- Each system has its own data store
- Updates replicated across data stores

### Shared Business Function



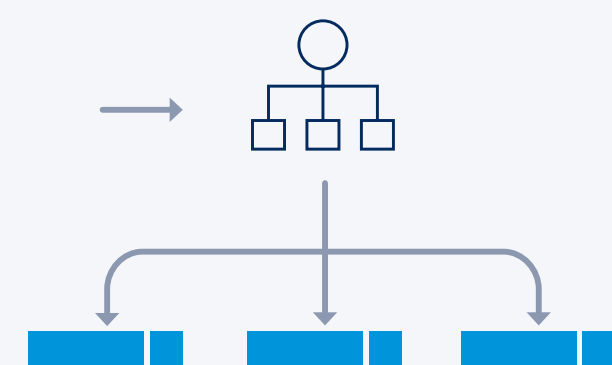
- Used to avoid redundant functionalities
- Systems share business functions
- Follows rationale of data replication

### Service-Oriented Architecture



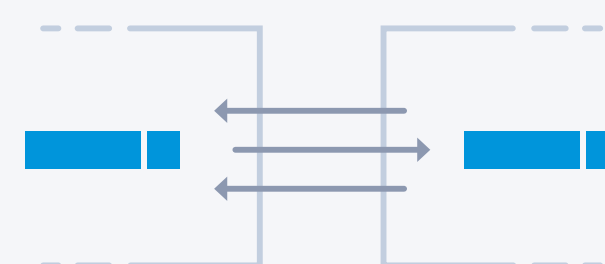
- Manages shared business functions
- Multiple well-defined services
- Built on service bus architecture

### Distributed Business Process



- Coordinates between applications
- Transaction is spread across systems
- Manages functions across systems

### B2B Integration



- Integrates with external businesses
- Usually communicates via internet
- Requires protocols and security

## MESSAGE FLOW & INTEGRATION PATTERNS

Patterns provide technology-independent design guidance to develop robust integration solutions. Find the most useful patterns along the message flow below.

