

SYSTEM INTEGRATION

Sinfosys Software Application System Integration using REST API refers to the process of enabling different software systems to communicate and work together by exchanging data through RESTful (Representational State Transfer) APIs.

How Integration Works Using REST API:

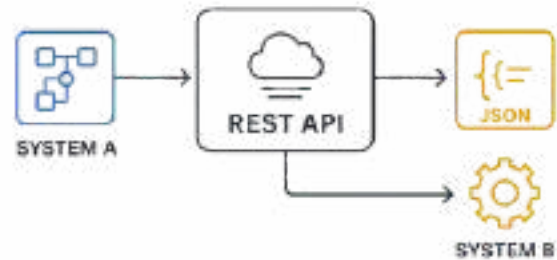
Identify Systems to Integrate:

Example: Accounting system (like Xero, QuickBooks, ABSS) and an ERP system (like SG Proffin 365).

✓ Benefits of REST API Integration:

- Platform-independent
- Lightweight and fast
- Easy to scale
- Uses standard HTTP protocols
- Supports modern web and mobile applications

APPLICATION SYSTEM INTEGRATION USING REST API

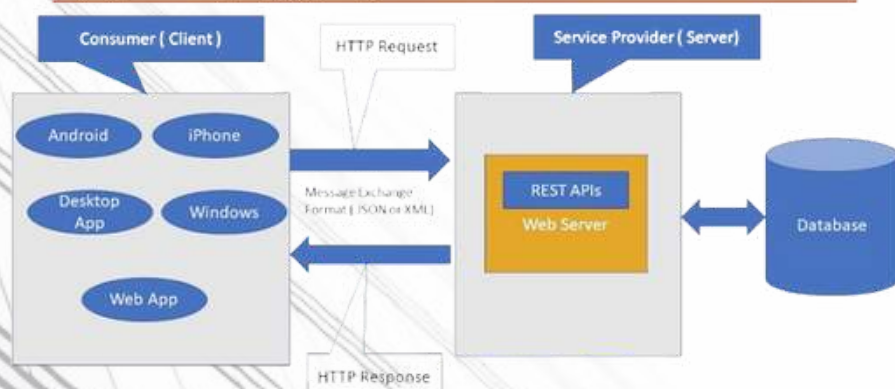


Define API Endpoints:

Example:

- GET /users – Get a list of users
- POST /orders – Create a new order
- Authentication and Authorization:
OAuth 2.0, API keys, or JWT tokens are commonly used.
- Data Mapping and Transformation:
- Ensure data formats and structures are compatible between systems.
- Error Handling and Logging:
- Build mechanisms for retry, logging, and error notifications.
- Testing and Monitoring:
- Use tools like Postman for testing, and services like Swagger/OpenAPI for documentation.

REST – Architecture



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