



ERP Integration Testing Checklist

Planning & Setup

Ensuring proper planning and environment setup for integration testing.

Project Name

Write something...

Test Start Date

Enter date...

Test End Date (Planned)

Enter date...

Number of Testers

Enter a number...

Test Objectives & Scope

Write something...

Environment (Dev, QA, UAT)

- ☐ Development
- ☐ Quality Assurance
- ☐ User Acceptance Testing

Test Plan Document

 Upload File

Data Mapping Validation

Verifying accurate data mapping between systems.

Source System Field Type

- ☐ Text
- ☐ Number
- ☐ Date
- ☐ Boolean
- ☐ Currency

Target System Field Type

- ☐ Text
- ☐ Number
- ☐ Date
- ☐ Boolean
- ☐ Currency

Maximum Length of Mapped Field

Enter a number...

Data Transformation Logic

Write something...

Date Format Verification Date

Enter date...

Data Type Consistency Checks

- ☐ Null Value Handling
- ☐ Decimal Precision
- ☐ Character Encoding

Interface Functionality Testing

Testing core functionality of the integration interfaces.

Record Count of Successful Transfers

Enter a number...

Detailed Description of Test Scenario

Write something...

Transaction Type Tested

- ☐ Sales Order
- ☐ Purchase Order
- ☐ Inventory Update
- ☐ Customer Record

Date of Test Execution

Enter date...

Response Time (seconds)

Enter a number...

Observed Results

Write something...

Test Outcome

- ☐ Passed
- ☐ Failed
- ☐ Blocked

Error Handling & Recovery

Validating error handling mechanisms and recovery processes.

Describe anticipated error scenarios

Write something...

Maximum allowable retry attempts

Enter a number...

Date of last error handling process review

Enter date...

Document escalation process for unresolvable errors

Write something...

Error logging level (e.g., Info, Warning, Error)

- ☐ Info
- ☐ Warning
- ☐ Error
- ☐ Debug

Describe automated recovery procedures

Write something...

Performance & Scalability

Assessing the integration's performance under load.

Expected Transaction Volume (per hour)

Enter a number...

Response Time Threshold (seconds)

Enter a number...

Concurrent Users Supported

Enter a number...

Load Testing Scenario Description

Write something...

Data Transfer Rate (MB/s)

Enter a number...

Testing Environment Type

- ☐ Development
- ☐ Staging
- ☐ Production-like

Observed Performance Bottlenecks (if any)

Write something...

Security Testing

Ensuring data security and access controls are properly implemented.

Authentication Method Verification

- ☐ Username/Password
- ☐ API Keys
- ☐ OAuth 2.0
- ☐ SAML

Data Encryption Status

- ☐ Data at Rest
- ☐ Data in Transit

Access Control Review

- ☐ Role-Based Access
- ☐ Attribute-Based Access

Encryption Key Rotation Frequency (Days)

Enter a number...

Vulnerability Scan Results & Remediation Plan

Write something...

Documentation & Monitoring

Checking documentation accuracy and setting up appropriate monitoring.

Integration Design Documentation Review

Write something...

API Documentation Review

Write something...

Frequency of Integration Logs Review (Days)

Enter a number...


Log Level Setting

- ☐ DEBUG
- ☐ INFO
- ☐ WARNING
- ☐ ERROR

Last Documentation Review Date

Enter date...

Upload Monitoring Dashboard Screenshot

 Upload File

User Acceptance Testing (UAT)

Confirming integration meets user requirements.

Tester Signature (Confirmation of Completion)

Date of UAT Execution

Enter date...

Number of Test Cases Executed

Enter a number...

Which Areas Were Tested?

- ☐ Finance
- ☐ Supply Chain
- ☐ Manufacturing
- ☐ Sales & CRM
- ☐ Human Resources

Overall UAT Assessment (Summary and Key Observations)

Write something...

UAT Result

- ☐ Pass
- ☐ Fail
- ☐ Partial Pass (Requires Remediation)

Detailed Remediation Plan (If Applicable)

Write something...