

# API Integration Guide

## Developer Handoff Template Pack

|                      |                              |
|----------------------|------------------------------|
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This is part of the API Integration Guide source stack. It is designed for GPT Knowledge retrieval and should support live user interactions. Preserve placeholders such as [MISSING], [SYSTEM], [API\_KEY], [ACCESS\_TOKEN], and [UNVERIFIED] because they are part of the assistant's operating design.

## Purpose

The Developer Handoff Template Pack helps API Integration Guide turn user requests into clear developer handoff briefs.

## Core Handoff Principle

A good developer handoff reduces ambiguity by separating known facts, missing information, assumptions, user goals, technical requirements, security notes, verification needs, and testing requirements.

## Beginner-Friendly Handoff Guidance

A developer handoff brief explains what should be built. It does not need to solve every technical detail upfront. It should document goal, systems, trigger, data, action, missing facts, and what a developer should confirm.

## Placeholder Reminder

| Placeholder                          | Meaning                  | Example                      |
|--------------------------------------|--------------------------|------------------------------|
| ` [SYSTEM] `                         | App or platform          | HubSpot, WooCommerce, Stripe |
| ` [MISSING: endpoint] `              | Exact endpoint not known | Developer should verify docs |
| ` [MISSING: authentication method] ` | Auth is unknown          | API key, OAuth, bearer token |
| ` [UNVERIFIED] `                     | Needs confirmation       | Provider capability          |
| ` [API_KEY] `                        | Private key placeholder  | Never paste real key         |

## Template 01 — Quick Developer Handoff Brief

**Objective:** [What integration should accomplish.]

**Systems Involved:** source, destination, middleware if any.

**Trigger:** [MISSING: trigger event]

**Desired Action:** [MISSING: desired action]

**Data to Move:** [fields]

**Known Facts:** [facts]

**Missing Information:** API docs, auth method, endpoint.

**Security Notes:** no live keys, placeholders only, least privilege.

**Testing Needed:** sample data, success, missing-field, duplicates, logs without secrets.

**Recommended Next Step:** verify current provider docs and confirm auth/endpoints.

## Template 02 — Full API Developer Handoff Brief

1. Objective
2. Business / Workflow Context
3. Systems Involved
4. Trigger
5. Desired Action
6. Data Flow
7. Field Mapping
8. Authentication Requirements
9. API / Endpoint Requirements
10. Payload Requirements
11. Validation Rules
12. Error Handling Requirements
13. Logging and Monitoring
14. Testing Requirements
15. Security Notes
16. Open Questions
17. Recommended Developer Next Step

### Systems Involved Table

| Role        | System                      | Notes                              |
|-------------|-----------------------------|------------------------------------|
| Source      | `[SYSTEM]`                  | Where data starts                  |
| Destination | `[SYSTEM]`                  | Where data goes                    |
| Middleware  | `[SYSTEM / NONE / MISSING]` | Zapier, Make, n8n, backend service |

### Field Mapping Table

| Source Field | Destination Field | Required? | Transformation Needed? | Notes     |
|--------------|-------------------|-----------|------------------------|-----------|
| `[FIELD]`    | `[FIELD]`         | Yes / No  | None / Format / Lookup | `[Notes]` |

### Sanitized Payload Example

```
{
```

```
"name": "[CUSTOMER_NAME]",  
"email": "[CUSTOMER_EMAIL]",  
"external_id": "[SOURCE_RECORD_ID]",  
"source": "[SOURCE_SYSTEM]"  
}
```

## Template 03 — Non-Technical User to Developer Handoff

What I Want Built: connect [SOURCE SYSTEM] with [DESTINATION SYSTEM] so that when [TRIGGER EVENT] happens, [DESIRED ACTION] happens automatically.

What I Know: source, destination, trigger, desired result.

What I Do Not Know Yet: API docs, auth method, endpoint, webhook need.

What I Need Developer to Confirm: support, access, auth, fields, no-code vs custom, testing.

## Template 04 — API Documentation Handoff

18. Integration Goal
19. Documentation Provided
20. What Documentation Appears to Confirm
21. Developer Review Needed
22. Implementation Notes
23. Open Questions
24. Recommended Next Step

## Template 05 — Authentication Handoff

25. Integration Context
26. Authentication Method
27. Permissions Needed
28. Credential Handling Requirements
29. OAuth-Specific Items, If Applicable
30. Open Questions
31. Developer Next Step

## Template 06 — Webhook Developer Handoff

32. Webhook Goal
33. Event Source
34. Destination
35. Payload Fields
36. Signature Verification

- 37. Duplicate and Retry Handling
- 38. Testing Requirements
- 39. Open Questions
- 40. Developer Next Step

## Template 07 — Troubleshooting Handoff

- 41. Reported Issue
- 42. Known Facts
- 43. Likely Issue Category
- 44. Checks Developer Should Run
- 45. Safety Notes
- 46. Recommended Fix Path
- 47. What to Test After Fix
- 48. Remaining Unknowns

## Template 08 — No-Code to Developer Escalation Brief

Use when connector limitations, complex auth, sensitive data, webhook verification, volume, duplicate handling, production reliability, or custom API requests indicate developer review.

## Template 09 — Implementation Ticket Breakdown

| Ticket | Task                                      | Owner              | Dependencies        | Acceptance Criteria             |
|--------|---|--------------------|---------------------|---------------------------------|
| 1      | Confirm API documentation and auth method | Developer          | Provider docs       | Auth path confirmed             |
| 2      | Create sandbox credentials                | Developer/Admin    | Provider account    | Sandbox request succeeds        |
| 3      | Confirm endpoint/action requirements      | Developer          | Docs                | Endpoint/action list confirmed  |
| 4      | Build field mapping                       | Developer/Product  | Sample data         | Required fields mapped          |
| 5      | Build workflow logic                      | Developer          | Auth + endpoints    | Successful sandbox request      |
| 6      | Add error handling                        | Developer          | Error scenarios     | Failures handled safely         |
| 7      | Add logging                               | Developer          | Logging tool        | Logs sanitized                  |
| 8      | Test sync/webhook                         | Developer          | Test events         | Success/failure tested          |
| 9      | Security review                           | Security/Developer | Credential/data map | Risks reviewed                  |
| 10     | Production rollout planning               | Product/Developer  | Approval            | Rollback and monitoring defined |

## Template 10 — Handoff Message to Developer

Hi [Developer Name],

I need help reviewing and scoping an API integration.

The goal is to connect [SOURCE SYSTEM] with [DESTINATION SYSTEM]. When [TRIGGER EVENT] happens, I want [DESIRED ACTION] to happen automatically.

Please review the current provider documentation, confirm authentication, identify required endpoints or actions, and advise whether this should be built through a no-code tool, low-code workflow, or custom backend integration.

Please do not use or share live API keys, tokens, passwords, or secrets in email or chat. Use placeholders such as [API KEY] or [ACCESS TOKEN].

## Handoff Checklist

| Area     | Question                            | Status             |
|----------|-------------------------------------|--------------------|
| Goal     | Is the integration objective clear? | Yes / No / Missing |
| Systems  | Are source and destination named?   | Yes / No / Missing |
| Trigger  | Is trigger defined?                 | Yes / No / Missing |
| Action   | Is desired action defined?          | Yes / No / Missing |
| Data     | Are fields listed?                  | Yes / No / Missing |
| Auth     | Auth known or marked missing?       | Yes / No / Missing |
| Security | Credential rules included?          | Yes / No / Missing |
| Testing  | Testing requirements listed?        | Yes / No / Missing |
| Unknowns | Missing items marked?               | Yes / No / Missing |

## Do Not Do

Do not include real credentials, invent endpoints, invent OAuth scopes, claim provider support without verification, claim production readiness, omit missing information, or skip testing/security notes.