

Integration Strategy Questionnaire

This one-page questionnaire helps CIOs, enterprise architects, and IT leaders evaluate integration readiness across systems, APIs, data flows, authentication patterns, monitoring, and operational dependencies. Use this as a structured discovery input for integration roadmaps or modernization programs.

Provider Name:

1. SYSTEM & APPLICATION INVENTORY

System / Application	Business Purpose	Owner	Integration Required (Y/N)	Example Entry
				e.g., CRM syncing customer data to analytics platform

2. API CAPABILITIES & PROTOCOLS

Question	Response		Example Entry
Are REST APIs available?	<input type="radio"/> Y	<input type="radio"/> N	Yes – CRUD APIs exposed for core entities
Are GraphQL or gRPC APIs supported?	<input type="radio"/> Y	<input type="radio"/> N	No – REST-only APIs available
Is API documentation available?	<input type="radio"/> Y	<input type="radio"/> N	Yes – Swagger/OpenAPI published
Are rate limits defined?	<input type="radio"/> Y	<input type="radio"/> N	Yes – 500 requests per minute per client
Is API versioning implemented?	<input type="radio"/> Y	<input type="radio"/> N	Yes – v1 and v2 supported

3. Event Streams & Data Contracts

Question	Response		Example Entry
Is event streaming supported?	<input type="radio"/> Y	<input type="radio"/> N	Yes – Kafka used for async events
Are event schemas documented?	<input type="radio"/> Y	<input type="radio"/> N	Yes – Avro schema in registry
Are data contracts defined between producers and consumers?	<input type="radio"/> Y	<input type="radio"/> N	Yes – Producer–consumer SLA agreed
Are rate limits defined?	<input type="radio"/> Y	<input type="radio"/> N	Yes – 7-day retention with replay enabled
Is API versioning implemented?	<input type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High

4. Authentication & Access Patterns

Question	Response		Example Entry
Is OAuth2 / JWT supported?	<input type="radio"/> Y	<input type="radio"/> N	Yes – OAuth2 with JWT tokens implemented
Is SAML or SSO supported?	<input type="radio"/> Y	<input type="radio"/> N	Yes – SSO via Azure Active Directory
Is service-to-service authentication defined?	<input type="radio"/> Y	<input type="radio"/> N	Yes – mTLS used for internal services
Is role-based access control enforced?	<input type="radio"/> Y	<input type="radio"/> N	Yes – Role-based scopes applied
Are secrets stored securely?	<input type="radio"/> Y	<input type="radio"/> N	Yes – Secrets managed via Vault / KMS

5. Load, Frequency & Data Synchronization

Parameter	Value	Example Entry
Expected API load (requests/minute)		1,200
Peak throughput		5,000
Synchronization frequency	<input type="radio"/> Real-time <input type="radio"/> Near-real-time <input type="radio"/> Batch	Batch
Data volume per sync		10,000 records
Latency tolerance	<input type="radio"/> Low <input type="radio"/> Medium <input type="radio"/> High	Medium

6. Monitoring, Alerts & Error Handling

Question	Response		Example Entry
Are monitoring dashboards in place?	<input type="radio"/> Y	<input type="radio"/> N	Yes – Grafana dashboards configured
Are API and integration logs centralized?	<input type="radio"/> Y	<input type="radio"/> N	Yes – Logs centralized in ELK stack
Is retry logic implemented?	<input type="radio"/> Y	<input type="radio"/> N	Yes – Exponential backoff configured
Are dead-letter queues used?	<input type="radio"/> Y	<input type="radio"/> N	Yes – Kafka DLQ enabled
Are secrets stored securely?	<input type="radio"/> Y	<input type="radio"/> N	Yes – PagerDuty alerts configured

7. Feasibility Scoring Rate each area on a scale of 1 (Low) to 5 (High).

Area	Score (1–5)	Notes
API maturity		
Event readiness		
Authentication complexity		
Data consistency		
System reliability		

8. Cost-of-Delay Scoring Rate the impact of delaying this integration.

Impact Area	Score (1–5)	Notes
Business impact		
Operational risk		
Compliance impact		
Financial inefficiency		
User or customer impact		

Next Steps

- Integrations with low feasibility (≤ 2) or high cost-of-delay (≥ 4) should be prioritized for architectural review.
- Use this questionnaire as input to integration roadmap planning and sequencing.