Project Kushim: API Reference Specification

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Contents

1 Authentication

Kushim uses JWT-based authentication. Every request (except `/auth/login`) must include the following header:

```
Authorization: Bearer <your_jwt_token>
```

2 Endpoint Definitions

2.1 Data Sources Module

GET /v1/sources
Retrieves all connected data adapters for the authenticated user.
   Response Body (200 OK):

```json
{
  "status": "success",
  "data": [
    {
      "id": "uuid-v4",
      "provider": "github",
      "status": "active",
      "last_sync": "2026-01-05T12:00:00Z"
    }
  ]
}
```

2.2 Unified Records Module

POST /v1/records/query
Query the unified data pool using filters. Support for complex JSONB filtering.
   Request Body:

```json
{
  "source_id": "uuid",
  "filter": { "priority": "high" },
  "limit": 50,
  "offset": 0
}
```

3 Webhooks

Kushim provides an endpoint for external services to push data.

- **Endpoint:** `POST /v1/webhooks/:provider_id`

- **Verification:** Must include `X-Kushim-Signature` for HMAC validation.

4 Error Handling

All error responses follow this structure:

```
{
  "error": "VALIDATION_FAILED",
  "message": "The 'email' field is required.",
  "trace_id": "req-99x-abc"
}
```