Complete API Documentation

# Introduction

This comprehensive API documentation covers all aspects of our service integration. Each section provides detailed information for developers and technical teams.

The API follows RESTful principles and supports JSON data format for all requests and responses.

# Authentication

All API requests must include proper authentication credentials.

## API Keys

API keys are required for all requests. You can obtain your API key from the developer dashboard.

Include the API key in the Authorization header: Authorization: Bearer YOUR\_API\_KEY

## OAuth 2.0

For advanced integrations, OAuth 2.0 authentication is supported.

The OAuth flow follows the standard authorization code grant type.

# API Endpoints

The following endpoints are available for integration:

## User Management

GET /api/users - Retrieve user list

POST /api/users - Create new user

PUT /api/users/{id} - Update user information

DELETE /api/users/{id} - Delete user account

## Data Operations

GET /api/data - Retrieve data records

POST /api/data - Submit new data

The data endpoint supports pagination and filtering parameters.

# Error Handling

The API returns standard HTTP status codes to indicate success or failure.

Error responses include detailed error messages and error codes for troubleshooting.

## Common Error Codes

400 Bad Request - Invalid request format

401 Unauthorized - Missing or invalid authentication

403 Forbidden - Insufficient permissions

404 Not Found - Resource not found

500 Internal Server Error - Server-side error

# Code Examples

The following examples demonstrate how to integrate with the API:

## JavaScript Example

fetch("/api/users", { method: "GET", headers: { "Authorization": "Bearer YOUR\_API\_KEY" } })

## Python Example

requests.get("/api/users", headers={"Authorization": "Bearer YOUR\_API\_KEY"})

# Conclusion

This documentation provides comprehensive coverage of API integration capabilities.

For additional support, contact our technical team through the developer portal.