

Integration and API Interface Definitions

1. Overview

This document outlines the API interface definitions and integration details for the system. All endpoints are RESTful and accept/return JSON objects unless otherwise specified.

2. Authentication

Method	Bearer Token
Header	Authorization: Bearer <token>
Token Expiry	3600 seconds

3. API Endpoints

3.1. Get User Info

Endpoint	GET /api/v1/users/{id}
Description	Fetches user details by user ID.

Request Example:
GET /api/v1/users/12345

Response 200:
{
 "id": "12345",
 "name": "Alice Example",
 "email": "alice@example.com",
 "status": "active"
}

3.2. Create New User

Endpoint	POST /api/v1/users
Description	Creates a new user record.

Request Body:
{
 "name": "Bob Sample",
 "email": "bob@sample.com"
}

```
Response 201:
{
  "id": "98765",
  "name": "Bob Sample",
  "email": "bob@sample.com",
  "status": "active"
}
```

4. Data Model

Field	Type	Description
id	string	Unique identifier
name	string	User's full name
email	string	Email address
status	string	Account status

5. Error Responses

Status	Meaning	Example Response
400	Bad Request	{"error": "Invalid email address"}
401	Unauthorized	{"error": "Invalid token"}
404	Not Found	{"error": "User not found"}