

Sample API Specification Document

This document describes the structure and endpoints of the **Sample REST API** for demonstration purposes.

Overview

- **Base URL:** `https://api.example.com/v1/`
- **Authentication:** API Key via HTTP Header
- **Format:** JSON

Authentication

API requests require the **Authorization** header with your API Key.

```
GET /users
Authorization: Bearer <API_KEY>
```

Endpoints

1. List Users

Method	GET
Endpoint	<code>/users</code>
Description	Retrieve a list of users.

Response Example:

```
{
  "users": [
    {"id": 1, "name": "Alice"},
    {"id": 2, "name": "Bob"}
  ]
}
```

2. Get User by ID

Method	GET
Endpoint	<code>/users/{id}</code>
Description	Retrieve details for a specific user.
URL Params	id (integer, required): User ID

Response Example:

```
{
  "id": 1,
  "name": "Alice",
  "email": "alice@example.com"
}
```

3. Create User

Method	POST
Endpoint	/users
Description	Create a new user.
Body	name (string, required) email (string, required)

Request Example:

```
{
  "name": "Charlie",
  "email": "charlie@example.com"
}
```

Response Example:

```
{
  "id": 3,
  "name": "Charlie",
  "email": "charlie@example.com"
}
```

Response Codes

Code	Meaning
200	Success
201	Resource Created
400	Bad Request
401	Unauthorized
404	Not Found
500	Server Error

Change Log

- **v1.0:** Initial version.