

RESTful API Integration Technical Specification

1. Overview

This document describes the technical specifications for integrating with the Example RESTful API system, including endpoints, request/response formats, authentication, and error handling conventions.

2. Base URL

`https://api.example.com/v1/`

3. Authentication

- Type: Bearer Token (in Authorization header)
- Format: `Authorization: Bearer YOUR_ACCESS_TOKEN`

4. Endpoints

4.1 List Users

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

Sample Request:

`GET /users`

Sample Response:

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

4.2 Get User Details

Method	GET
Endpoint	<code>/users/{id}</code>
Description	Retrieve details for a specific user.

Sample Request:

GET /users/1

Sample Response:

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

4.3 Create User

Method	POST
Endpoint	/users
Description	Create a new user.

Sample Request Body:

```
{
  "name": "Bob Smith",
  "email": "bob@example.com"
}
```

Sample Response:

```
{
  "id": 2,
  "name": "Bob Smith",
  "email": "bob@example.com"
}
```

5. Error Handling

- All errors are returned as JSON.
- Error Example:

```
{
  "error": {
    "code": 404,
    "message": "User not found"
  }
}
```

6. Contact

For technical support, contact api-support@example.com