

API ENDPOINTS present in this Code

1. Create a Subscription Plan (POST /plans/{token}):

• Request Example:

```
json Copy code

POST /plans/admin-token
{
  "name": "Standard Plan",
  "description": "Standard access to cloud services",
  "permissions": "read,write,update",
  "usage_limit": 200
}
```

• Response Example:

```
json Copy code

{
  "name": "Standard Plan",
  "description": "Standard access to cloud services",
  "permissions": "read,write,update",
  "usage_limit": 200
}
```

2. Retrieve a Subscription Plan (GET /plans/{plan\_id}):

• Request Example:

```
bash Copy code

GET /plans/2
```

• Response Example:

```
json Copy code

{
  "name": "Standard Plan",
  "description": "Standard access to cloud services",
  "permissions": "read,write,update",
  "usage_limit": 200
}
```

### 3. Modify a Subscription Plan (PUT /plans/{plan\_id}/{token}):

#### • Request Example:


json

 Copy code

```
PUT /plans/2/admin-token
{
  "name": "Standard Plan Updated",
  "description": "Updated standard access",
  "permissions": "read,write,update,delete",
  "usage_limit": 250
}
```

#### • Response Example:

json


 Copy code

```
{
  "name": "Standard Plan Updated",
  "description": "Updated standard access",
  "permissions": "read,write,update,delete",
  "usage_limit": 250
}
```

### 4. Delete a Subscription Plan (DELETE /plans/{plan\_id}/{token}):

#### • Request Example:

bash

 Copy code

```
DELETE /plans/2/admin-token
```

#### • Response Example:

json


 Copy code

```
{
  "message": "Plan deleted successfully"
}
```

#### 5. Add a Permission (POST /permissions):

- Request Example:

json

 Copy code

```
POST /permissions
{
  "name": "delete",
  "description": "Allows deleting data"
}
```

- Response Example:

json


 Copy code

```
{
  "name": "delete",
  "description": "Allows deleting data"
}
```

#### Subscribe to a Plan (POST /subscriptions):

- Request Example:


json

 Copy code

```
POST /subscriptions
{
  "user_id": 123,
  "plan_id": 2
}
```

- Response Example:

json


 Copy code

```
{
  "user_id": 123,
  "plan_id": 2,
  "status": "subscribed"
}
```

### Delete a Subscription Plan (DELETE /plans/{plan\_id}/{token}):

- Request Example:

bash

 Copy code

```
DELETE /plans/2/admin-token
```

### View Subscription Details (GET /subscriptions/{userId}):

- Request Example:


bash

 Copy code

```
GET /subscriptions/123
```

- Response Example:

json

 Copy code

```
{  
  "user_id": 123,  
  "plan_id": 2,  
  "status": "subscribed"  
}
```