

Salesforce Project: Public Endpoint Access App

Step 1: Create a Salesforce App

1. Login to your Salesforce Org.
2. Go to Setup > App Manager > New Lightning App.
3. Fill in details (name, description, icon).
4. Add tabs, components, and save the app.

Step 2: Create a Custom Object (Optional)

1. Go to Object Manager > Create New Custom Object (e.g., PublicData).
2. Add fields like Name, Description.
3. Ensure it is accessible via API.

Step 3: Create an Apex Class for API Endpoint

Create a RESTful Apex class:

```
@RestResource(urlMapping='/publicdata/*')
```

```
global with sharing class PublicDataController {
```

```
    @HttpGet
```

```
    global static PublicData getData() {
```

```
        RestRequest req = RestContext.request;
```

```
        String id = req.requestURI.substring(req.requestURI.lastIndexOf('/')+1);
```

```
        PublicData data = [SELECT Id, Name, Description FROM PublicData WHERE Id = :id LIMIT 1];
```

```
        return data;
```

```
    }
```

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@HttpPost

```
global static String createData(String name, String description) {  
  
    PublicData newData = new PublicData(Name = name, Description = description);  
  
    insert newData;  
  
    return newData.Id;  
  
}  
  
}
```

Step 4: Enable API Access

1. Go to Setup > API Settings.
2. Ensure API access is enabled for your org.

Step 5: Test Your API

1. Authenticate via Salesforce OAuth to get an access token.
2. Use Postman or CURL:

GET: <https://your-instance.salesforce.com/services/apexrest/publicdata/{id}>

POST Body:

```
{ "name": "New Item", "description": "This is a new item." }
```

Step 6: Expose the API Publicly

1. Go to Setup > Sites > Create New Site.
2. Link site to the Apex class.
3. Allow object access in Site Guest User profile.

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Step 7: Test Public Access

1. Use public site URL to call the API externally.
2. Verify response via browser, Postman, etc.

Step 8: Security Considerations

- Restrict Guest User permissions.
- Use OAuth or API keys if sensitive data is exposed.