

Ejari Org API Setup & Integration Guide

This guide helps you set up a second Salesforce Org (Ejari Org) to support the Islamabad Hills Property Management app integration. It includes steps for creating the API, setting up authentication, and testing it from the main org.

1. OBJECTS TO CREATE IN EJARI ORG

- Property__c
 - Unique_Id__c (Text 16)
 - Status__c (Picklist: Available/Occupied)
- Tenancy_Contract__c
 - Property_Unique_Id__c (Text 16)
 - Tenant_Name__c (Text)
 - Tenant_Email__c (Email)
 - Tenant_Mobile_Number__c (Phone)
 - Contract_Start__c (Date)
 - Contract_End__c (Date)
 - Ejari_Number__c (Text 16)

2. APEX REST CLASSES TO DEPLOY

1. PropertyAvailabilityAPI

```
@RestResource(urlMapping='/CheckAvailability/*')
global with sharing class PropertyAvailabilityAPI {
    @HttpGet
    global static void checkPropertyAvailability() {
        RestRequest req = RestContext.request;
        RestResponse res = RestContext.response;
        String propertyUniqueId = EncodingUtil.urlDecode(
            req.requestURI.substring(req.requestURI.lastIndexOf('/') + 1), 'UTF-8');
        List<Property__c> records = [
            SELECT Id,Unique_Id__c,Status__c FROM Property__c
            WHERE Unique_Id__c = :propertyUniqueId AND Status__c = 'Available' LIMIT 1];
        res.statusCode = records.isEmpty() ? 404 : 200;
    }
}
```

2. CreateTenancyContract

```

@RestResource(urlMapping='/createTenancyContract/*')
global class CreateTenancyContract {
    @HttpPost
    global static ResponseWrapper createTenancy() {
        RestRequest req = RestContext.request;
        string reqBody = req.requestBody.toString();
        RequestWrapper reqWrapper = (RequestWrapper) JSON.deserialize(reqBody,
RequestWrapper.class);
        Tenancy_Contract__c tc = new Tenancy_Contract__c();
        tc.Tenant_Name__c = reqWrapper.tenantName;
        tc.Tenant_Email__c = reqWrapper.tenantEmail;
        tc.Tenant_Mobile_Number__c = reqWrapper.tenantMobile;
        tc.Property_Unique_Id__c = reqWrapper.propertyUniqueId;
        tc.Contract_Start__c = Date.valueOf(reqWrapper.contractStartDate);
        tc.Contract_End__c = Date.valueOf(reqWrapper.contractEndDate);
        tc.Ejari_Number__c = generateEjariNumber();
        insert tc;
        List<Property__c> propertylist = [SELECT Id,Status__c,Unique_Id__c FROM Property__c
                                         WHERE Unique_Id__c =: tc.Property_Unique_Id__c];

        if (!propertylist.isEmpty()) {
            propertylist[0].Status__c = 'Occupied';
            update propertylist[0];
        }
        return new ResponseWrapper(tc.Ejari_Number__c);
    }

    global class ResponseWrapper {
        public String ejariNumber;
        public ResponseWrapper(String num) {
            ejariNumber = num;
        }
    }

    global class RequestWrapper {
        public string tenantName;
        public string tenantEmail;
        public string tenantMobile;
        public string propertyUniqueId;
        public string contractStartDate;
        public string contractEndDate;
    }

    private static String generateEjariNumber() {
        String raw = String.valueOf(Math.abs(Crypto.getRandomLong()));
        while (raw.length() < 16) {
            raw = '0' + raw;
        }
        return raw.substring(0, 16);
    }
}

```

3. AUTHENTICATION SETUP (Main Org)

- Create a Connected App in Ejari Org:
- Enable OAuth settings

- Add callback URL (get from Auth Provider screen)
- Scopes: full, refresh_token

- In Main Org:
 - Setup > Auth Providers > New > Type: Salesforce
 - Use consumer key/secret
 - Save

- Setup > Named Credentials > New
 - URL: Base URL of Ejari Org (e.g., https://ejariorg-dev-ed.my.salesforce.com)
 - Auth Protocol: OAuth 2.0
 - Identity Type: Named Principal
 - Auth Provider: Select the one you created
 - Check: Generate Authorization Header

4. CALLING FROM MAIN ORG

Named Credential: Ejari_Verify_OAuth

GET - Check availability:

```
String url = 'callout:Ejari_Verify_OAuth/services/apexrest/CheckAvailability/' + propertyUniqueld;
```

POST - Create tenancy contract:

```
String url = 'callout:Ejari_Verify_OAuth/services/apexrest/createTenancyContract';
```

Send request body as JSON using HttpRequest.

You're now ready to connect Main Org with Ejari Org using secure OAuth callouts!