

Synchronize Salesforce data with an external system

- Setup ->
- Search in quick find box ->
- Click Remote Site Settings ->
- Name = Warehouse URL ,
- Remote Site URL = <https://th-superbadge-apex.herokuapp.com> ,
- Make sure active is selected.
- Go to the developer console use below code .

WarehouseCalloutService.apxc :-

```
public with sharing class WarehouseCalloutService implements Queueable {  
    private static final String WAREHOUSE_URL = 'https://th-superbadge-  
apex.herokuapp.com/equipment';
```

//class that makes a REST callout to an external warehouse system to get a list of equipment that needs to be updated.

//The callout's JSON response returns the equipment records that you upsert in Salesforce.

```
@future(callout=true)  
public static void runWarehouseEquipmentSync(){  
    Http http = new Http();  
    HttpRequest request = new HttpRequest();  
  
    request.setEndpoint(WAREHOUSE_URL);  
    request.setMethod('GET');  
    HttpResponse response = http.send(request);  
  
    List<Product2> warehouseEq = new List<Product2>();  
  
    if (response.getStatusCode() == 200){  
        List<Object> jsonResponse =  
(List<Object>)JSON.deserializeUntyped(response.getBody());  
        System.debug(response.getBody());  
  
        //class maps the following fields: replacement part (always true), cost, current  
inventory, lifespan, maintenance cycle, and warehouse SKU  
        //warehouse SKU will be external ID for identifying which equipment records to  
update within Salesforce  
        for (Object eq : jsonResponse){  
            Map<String,Object> mapJson = (Map<String,Object>)eq;  
            Product2 myEq = new Product2();
```

```

        myEq.Replacement_Part__c = (Boolean) mapJson.get('replacement');
        myEq.Name = (String) mapJson.get('name');
        myEq.Maintenance_Cycle__c = (Integer) mapJson.get('maintenanceperiod');
        myEq.Lifespan_Months__c = (Integer) mapJson.get('lifespan');
        myEq.Cost__c = (Integer) mapJson.get('cost');
        myEq.Warehouse_SKU__c = (String) mapJson.get('sku');
        myEq.Current_Inventory__c = (Double) mapJson.get('quantity');
        myEq.ProductCode = (String) mapJson.get('_id');
        warehouseEq.add(myEq);
    }

    if (warehouseEq.size() > 0){
        upsert warehouseEq;
        System.debug('Your equipment was synced with the warehouse one');
    }
}

public static void execute (QueueableContext context){
    runWarehouseEquipmentSync();
}

}

```

After saving the code open execute anonymous window (CTRL+E) and run this method ,

```
System.enqueueJob(new WarehouseCalloutService());
```

Check Challenge.