

APEX SPECIALIST SUPERBADGE

*SYNCHRONIZATION SALESFORCE DATA WITH AN EXTERNAL SYSTEM:

1) WarehouseCalloutService.apxc

```
public with sharing class WarehouseCalloutService {
```

```
    private static final String WAREHOUSE_URL = 'https://th-superbadge-  
apex.herokuapp.com/equipment';
```

```
    //@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());
```

```
            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 = (Decimal) mapJson.get('lifespan');
```

```
    myEq.Warehouse_SKU__c = (String) mapJson.get('sku');
    myEq.Current_Inventory__c = (Double) mapJson.get('quantity');
    warehouseEq.add(myEq);
}

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

}

}
```