

# Salesforce REST API Composite Services

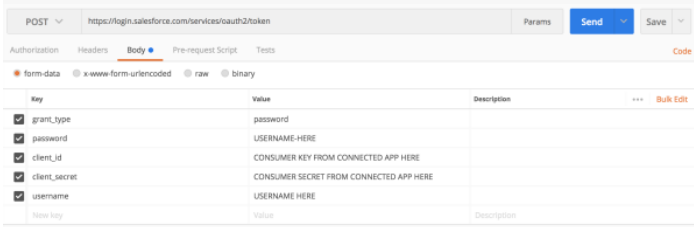
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Salesforce has a feature on the REST API called as the Composite Resources. This allows us to build API requests by combining more than one request. Shown below are some examples of them with Postman (<https://www.getpostman.com/>). Documentation of Composite Resources can be found here ([https://developer.salesforce.com/docs/atlas.en-us.api\\_rest.meta/api\\_rest/resources\\_composite.htm](https://developer.salesforce.com/docs/atlas.en-us.api_rest.meta/api_rest/resources_composite.htm))

The first step is to get the authorization token.

Endpoint : <https://login.salesforce.com/services/oauth2/token>  
Method Type : POST

The body should have form data which has the following : grant\_type, username, password, client\_id, client\_secret. client\_id and client\_secret are taken from the App created in Salesforce for the integration. See details in the “Setting up Salesforce Connected App” section on this blog post here : <https://codesilo.wordpress.com/2017/12/26/spring-boot-rest-api-integration-with-salesforce/>  
Username and Password should be the username and password of the account being used for the API access. Security Token, if enabled, should be concatenated to the password above. API access should be provided to the Profile of this account.  
The grant\_type is “password”. It is the word password without the quotes and **not** the actual password of the user account.



On making the call, we should get the access\_token in the response. This access\_token is now used in all subsequent calls below. The instance\_url from the response is used to create the endpoint in the requests below.

For all calls below we will have the following 2 headers

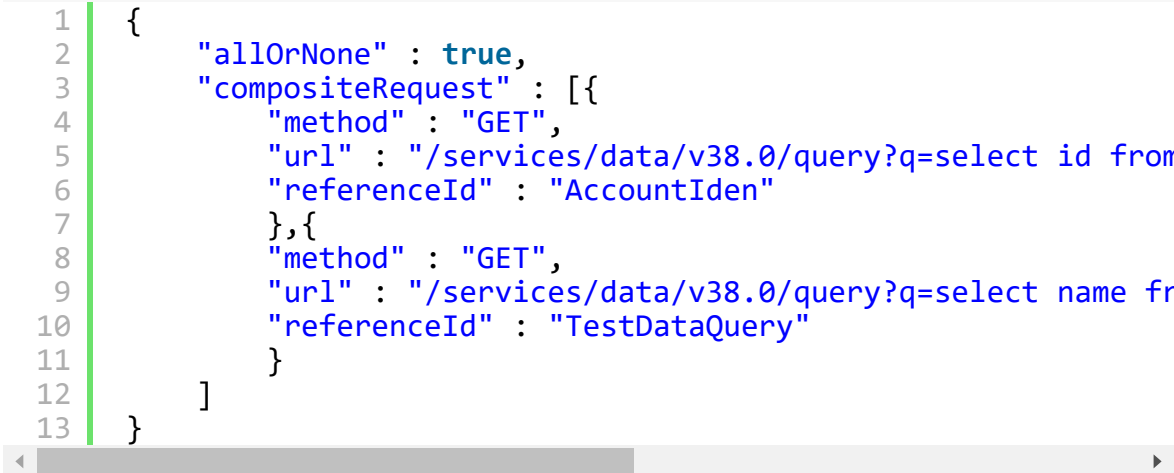
Authorization : Bearer \*\*access\_token HERE\*\*  
Content-Type : application/json

Note: For the authorization header the value has to be “Bearer” without the quotes followed by a space and the access\_token

## 1. Composite API Call:

Endpoint: [https://INSTANCE\\_URL\\_HERE/services/data/v41.0/composite/](https://INSTANCE_URL_HERE/services/data/v41.0/composite/)  
Method Type: POST

Sample Body:



## 2. Batch API call:

Endpoint: [https://INSTANCE\\_URL\\_HERE/services/data/v40.0/composite/batch/](https://INSTANCE_URL_HERE/services/data/v40.0/composite/batch/)  
Method Type: POST

Sample Body:



## 3. Object Tree API call:

Endpoint: services/data/v40.0/composite/tree/Account  
Method Type: POST

Sample Body:

