



API Integration Document for SA flow – Optimus to SFDC Callback

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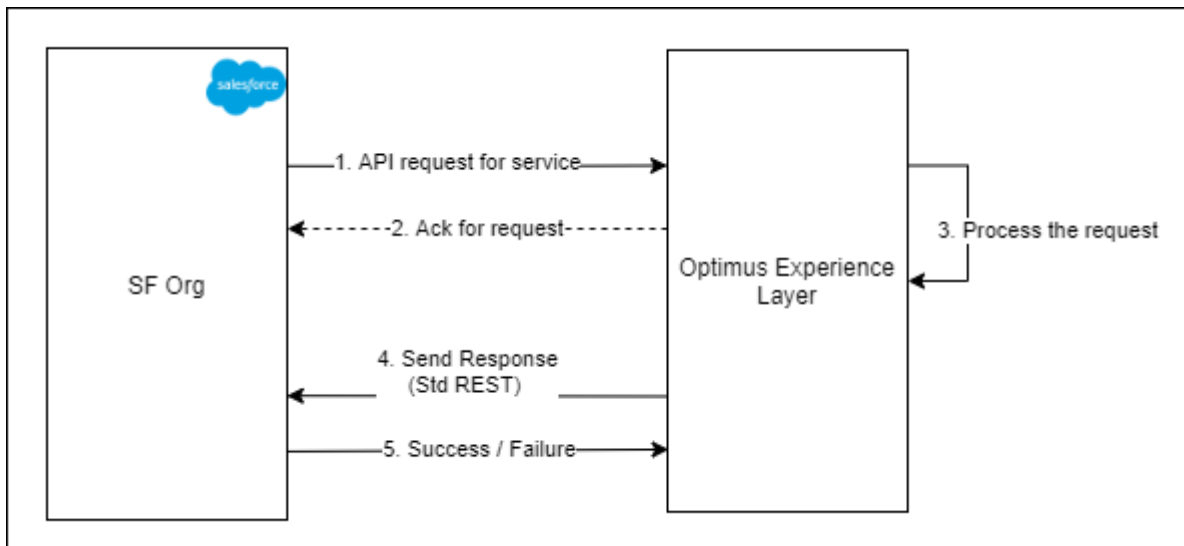
Version History

Sr. No	Description	Date	Author	Version	Reviewed By	Release Date	Approved By & Date
1	Initial Draft with API details	27-09-2022	Vinit Jogani	0.1			

1. Introduction

This document list downs the API and details of how to connect with Org. The APIs are for callback into SFDC Org from Optimus platform.

2. API Call Flow



1. SFDC initiates a request to Optimus Layer using REST API
2. Optimus acknowledges the request
3. Optimus processes the request
4. Once request is processes, Optimus to send request via Standard REST API of SFDC
5. SFDC returns response

3. SFDC to Optimus

Expectation is to have following two parameter passed (along with actual request) to optimus:

1. Org Id – SFDC Organization id. This will be used by Optimus to identify Org which initiated the request and can send callback to the same Org.
2. Reference Id – Identifier of SFDC record in which the response will be updated by Optimus

4. SFDC Callback API

The callback will be two stepped process.

4.1 Authentication / Login

For any calls to SFDC, you need to authenticate with SFDC first. After authentication, you get accessToken which you can use as Basic Authentication (Authorization header) in callback API.

Method Type	POST	
Endpoint URL	https://login.salesforce.com/services/oauth2/token	For Production
	https://test.salesforce.com/services/oauth2/token	For Sandboxes
Request	grant_type:password client_id:<different for each Org, sandboxes> client_secret: <different for each Org, sandboxes> username: <different for each Org, sandboxes> password: <different for each Org, sandboxes>	Form Data client_id, client_secret, username, password to be provided by SFDC team for each sandbox.
Response	<pre>{ "access_token": "00D0w0000008ec7!AQ4AQKQ1Vuctmbc fKsb7uXD9biC3FLEI6rAHqxECpX083MizVakXB5UZIcSYfPTt4Hzh Dx8JIYjxGcNmzbsulc3gKbuZMjCB", "instance_url": "https://idfcfirstbank-cd-- cdqa1.sandbox.my.salesforce.com", "id": "https://test.salesforce.com/id/ 00D0w0000008ec7EAA/0055g000009ywgVAAA", "token_type": "Bearer", "issued_at": "1664273425585", "signature": "ipYzZCe0KtY/MzjQfOoRJnyFuU/ L7EMqUNcfGCMBnpI=" }</pre>	Access_token – to be used in subsequent call for authorization. Generally this access token is valid for 30mins to 2 hours based on setting.
Error response	<pre>[{ "message": "Session expired or invalid", "errorCode": "INVALID_SESSION_ID" }]</pre>	In case of error response in API call, hit Login API again

4.2 Callback – Update Integration Message

Method Type	PATCH	
Endpoint URL	https://MyDomainName.my.salesforce.com/services/data/v56.0/subjects/Integration_Message_c/00190000398Njve	Domain will be different for each Org and Sandbox The id used as last part of URL is the reference id sent to Optimus in request
Request	{ "Status__c" : "Responded", "Response__c" : "{ 'json': 'response' }" }	Status__c = Responded Response__c = Actual JSON response
Response	No Body Status code – 204	
Error response	[{ "message" : "The requested resource does not exist", "errorCode" : "NOT_FOUND" }]	Ref for all error codes: https://developer.salesforce.com/docs/atlas.en-us.api_rest.meta/api_rest/errorcodes.htm

5. Configuration Requirement

As mentioned above, each sandbox and Org will have some different values. Please have configuration for below for each environment and instance

Attribute	Comments
Org Name	E.g. CDQA, VHUAT, etc.
Org Id	18-character Unique Id for SF Org E.g. 00D0w0000008ec7
Domain	This will be used as first part of callback URL
Client Id	Each env will have separate connected app for authentication of API client.
Client Secret	Each env will have separate connected app for authentication of API client.
Username	To be used for authentication
Password	Password of user

Security Token	This will be required only in sandbox. To confirm.
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6. Postman Collection



SFDC-Callback.postm
an_collection.json

7. References

https://developer.salesforce.com/docs/atlas.en-us.api_rest.meta/api_rest/dome_update_fields.htm

https://developer.salesforce.com/docs/atlas.en-us.api_rest.meta/api_rest/errorcodes.htm