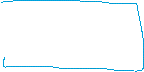
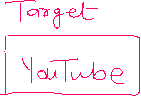
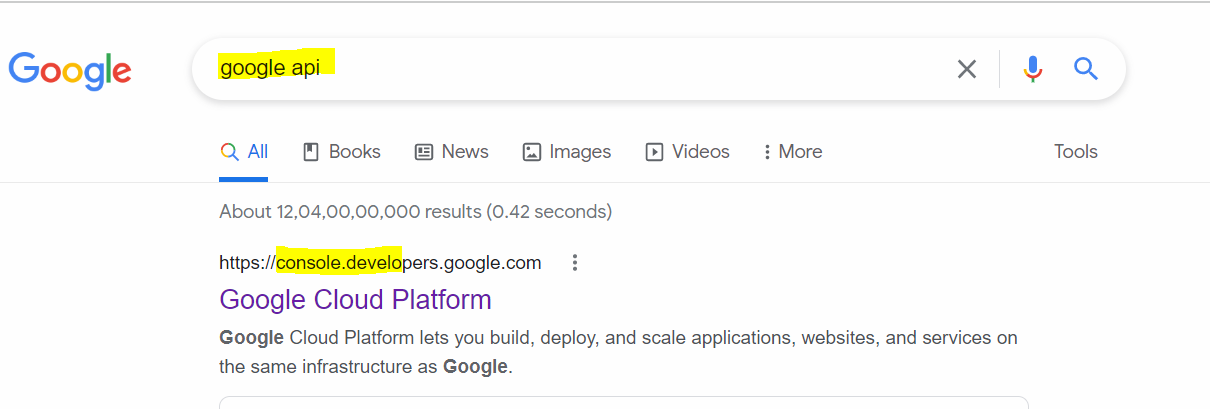
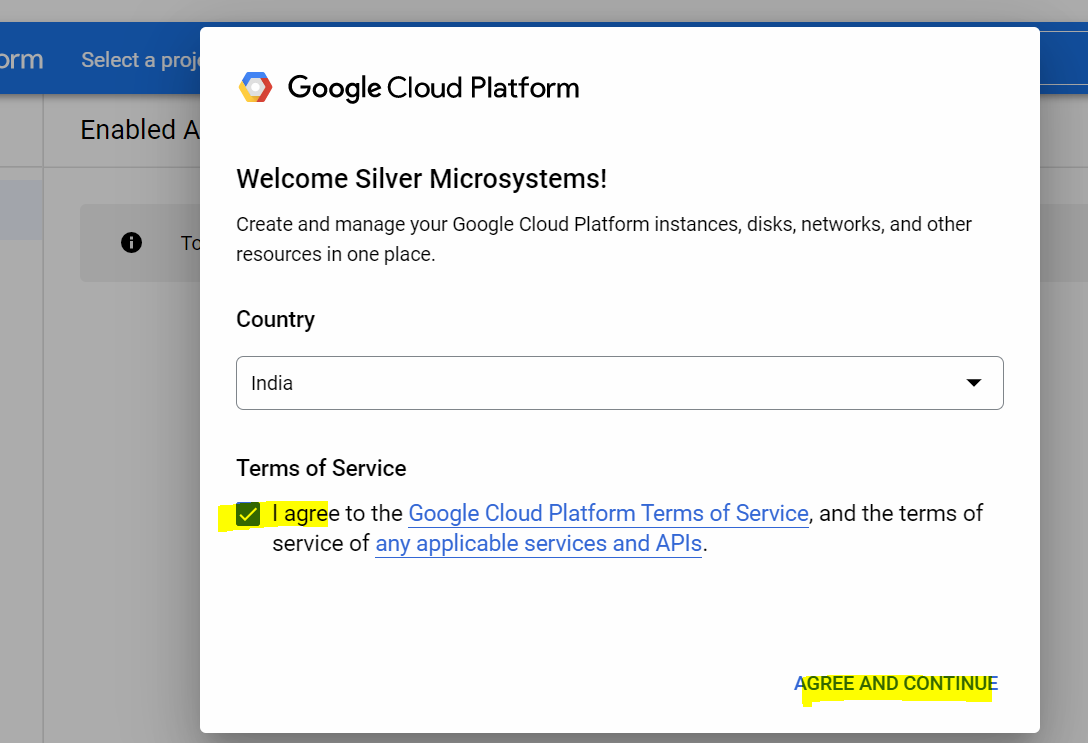
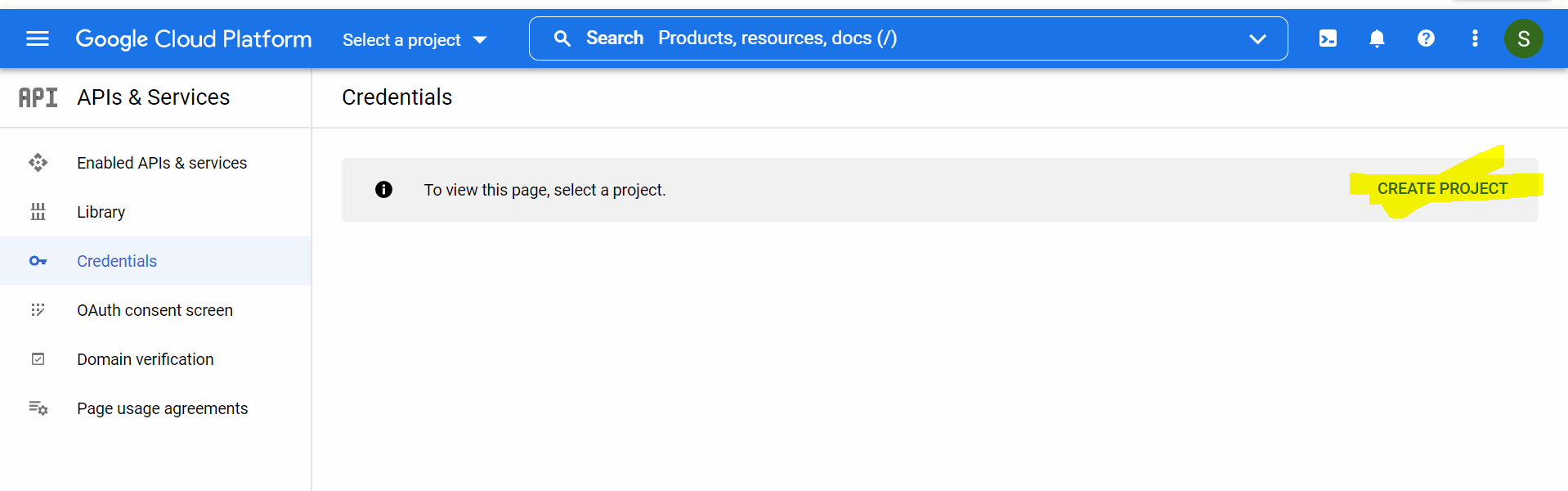
74. Salesforce YouTube Integrations - 21 July 2022

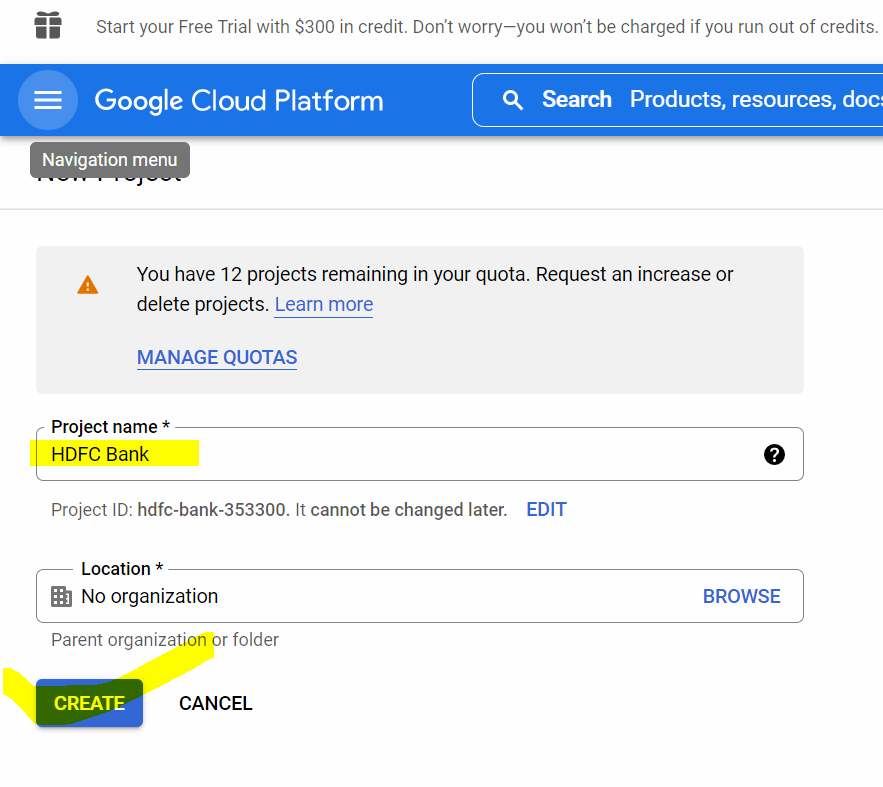


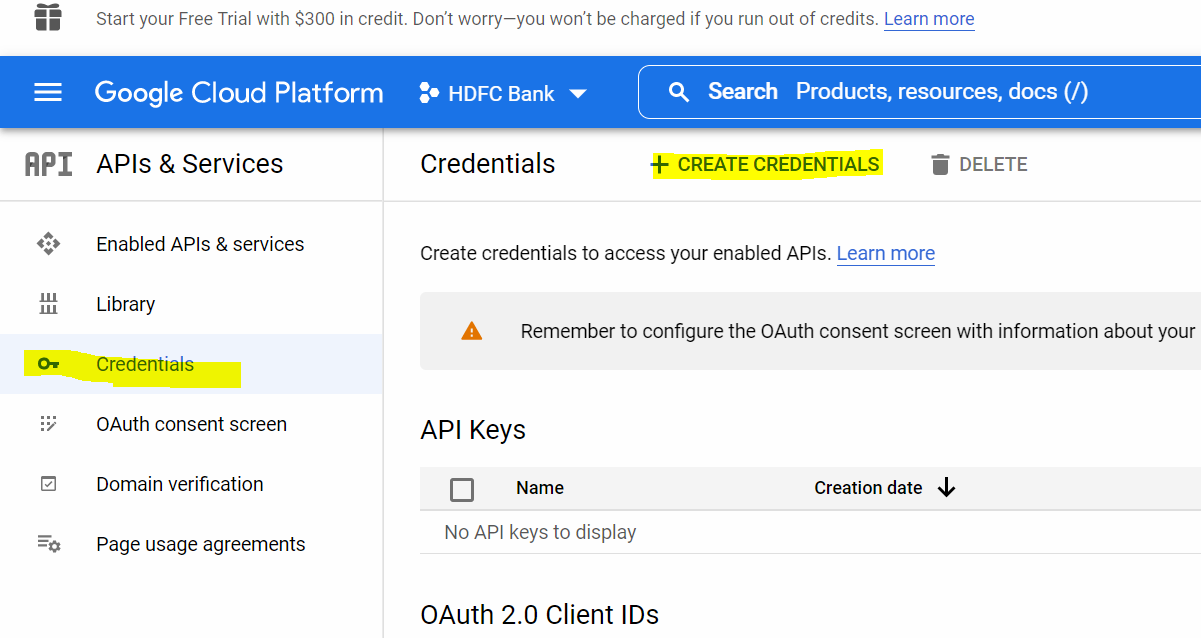
1] YouTube API Key

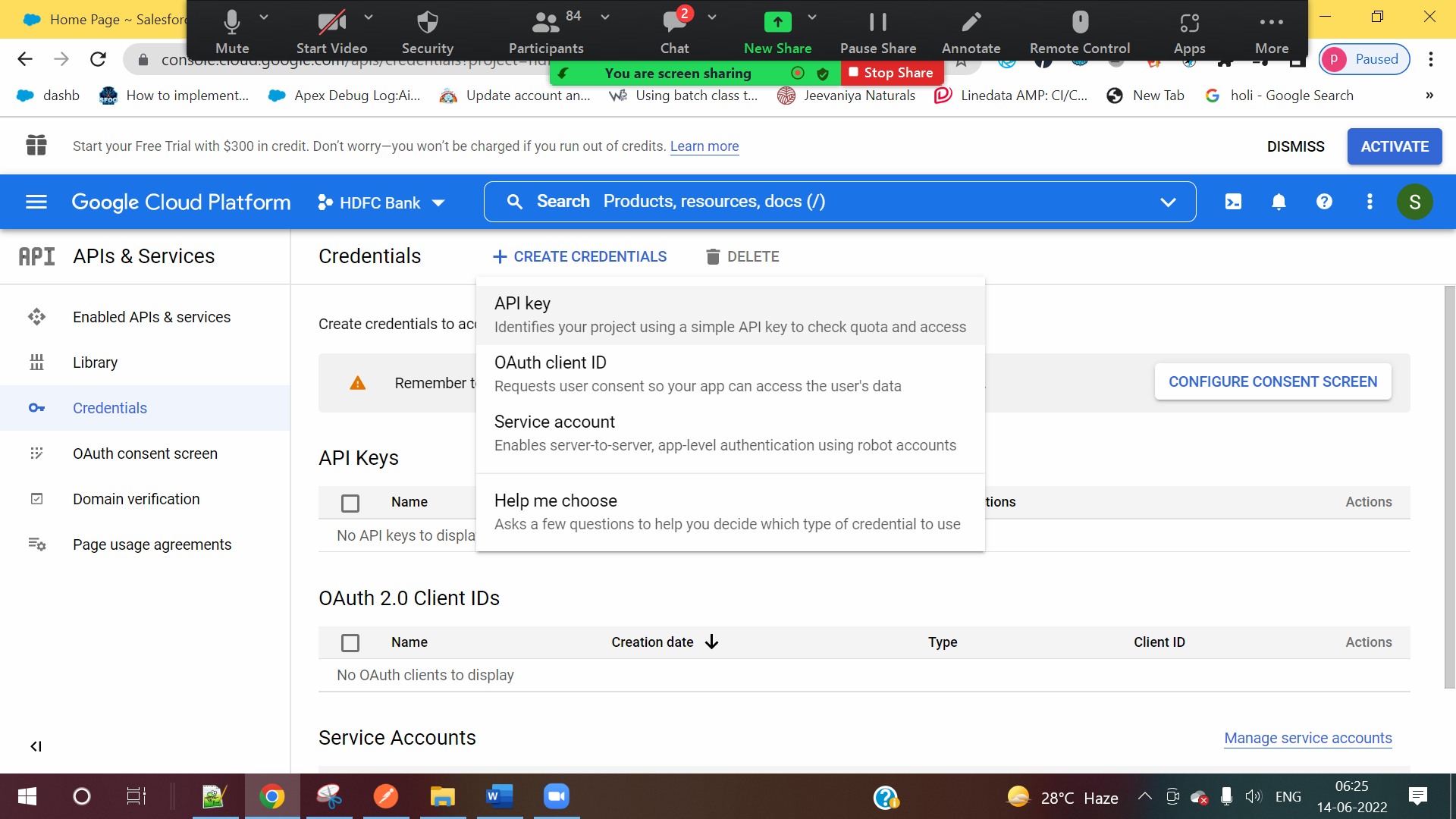


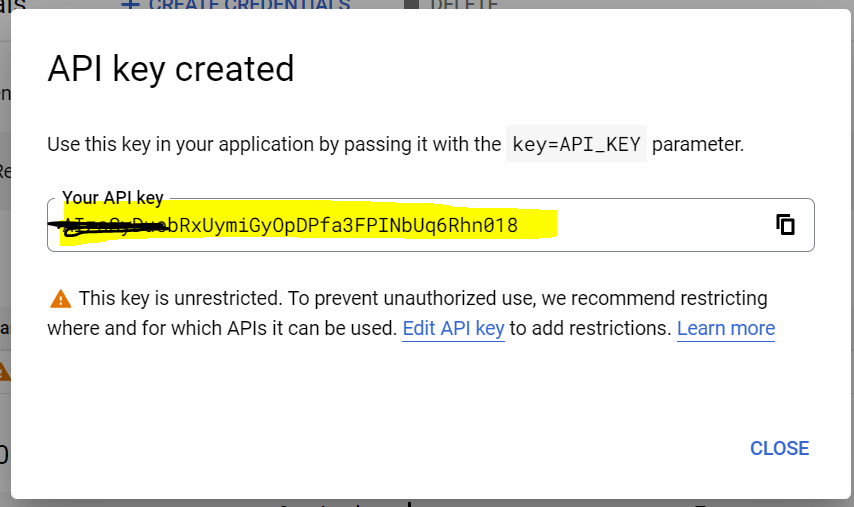


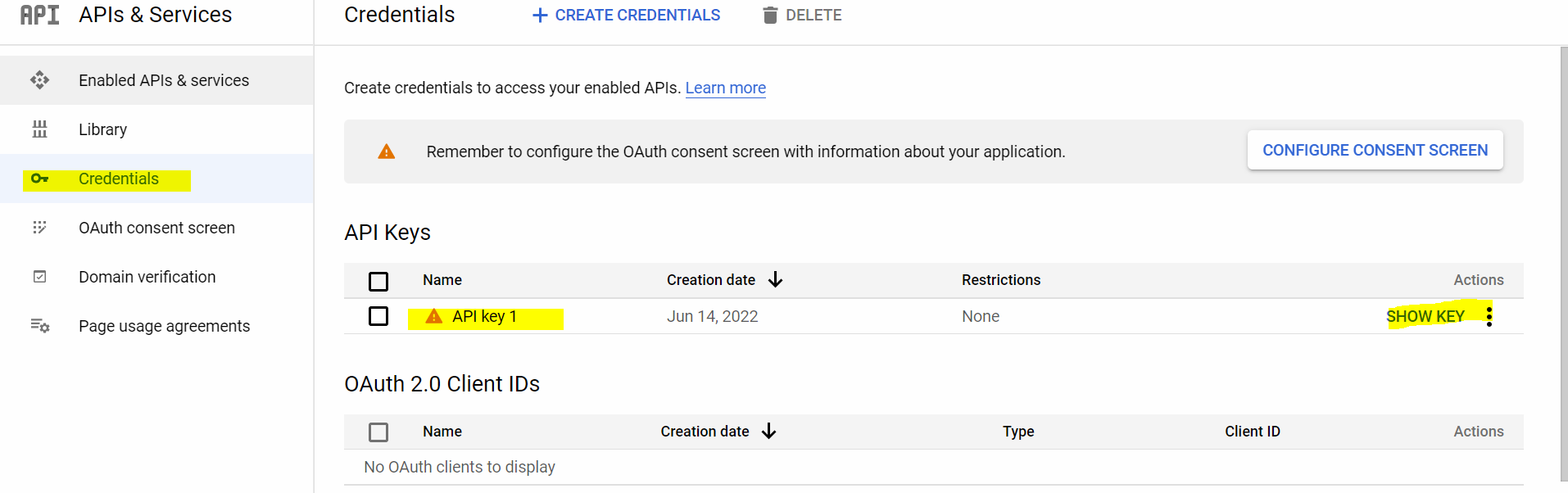




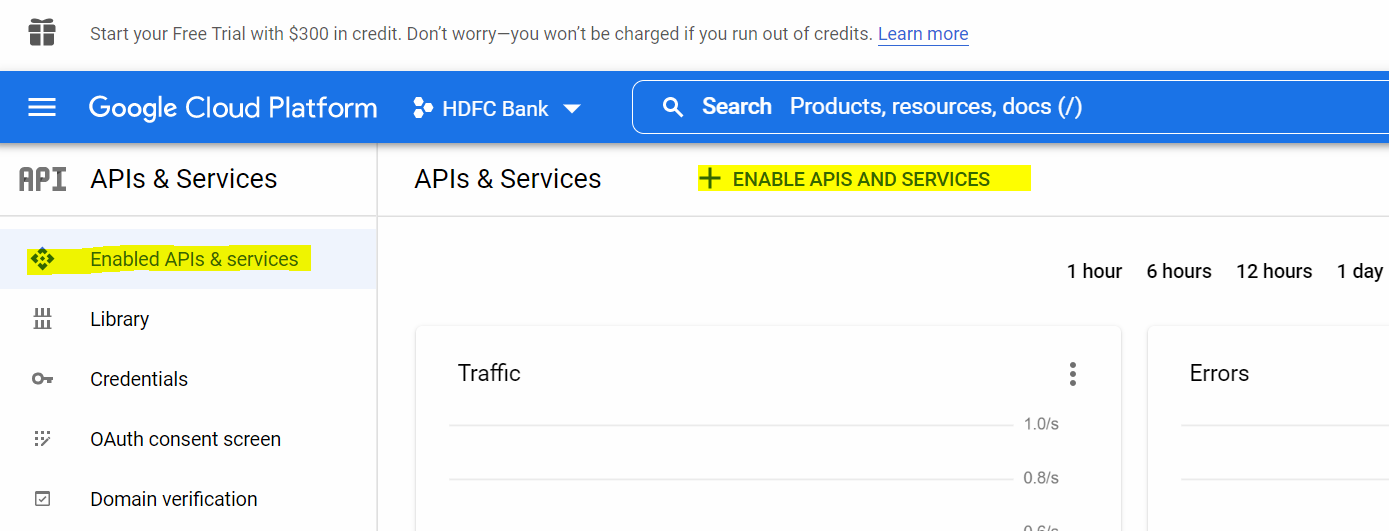


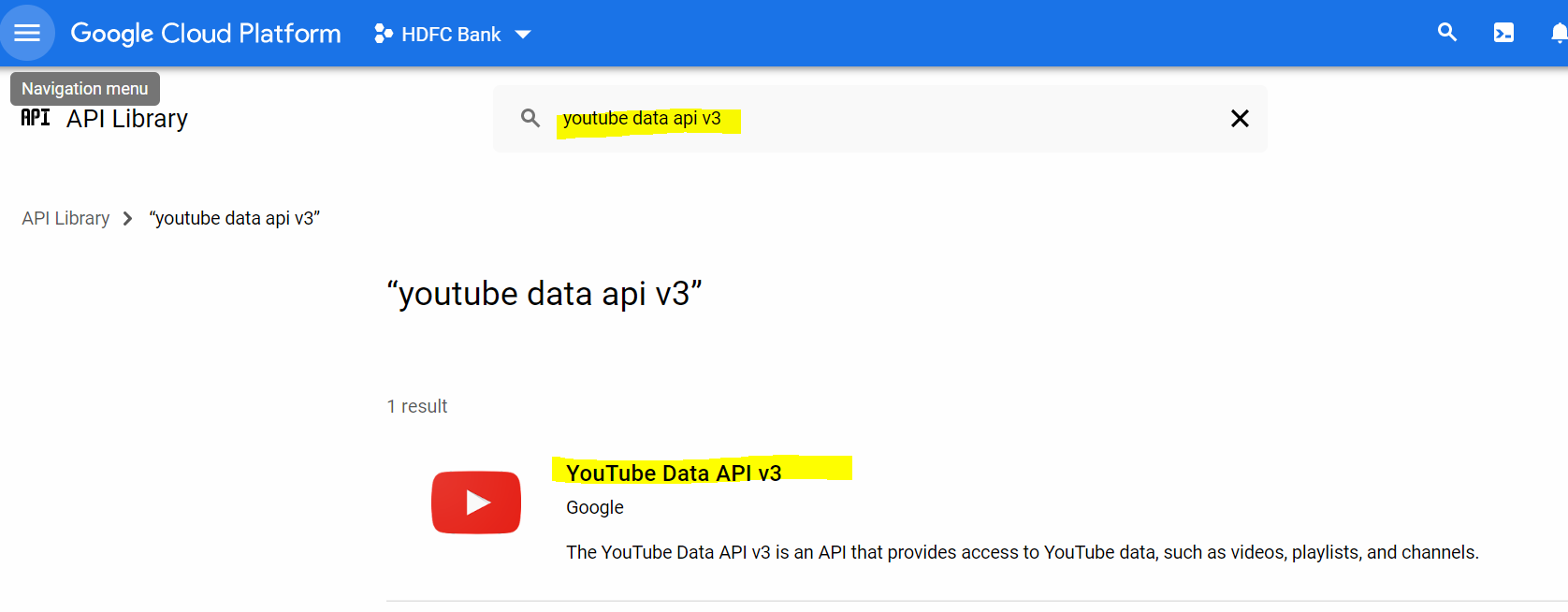


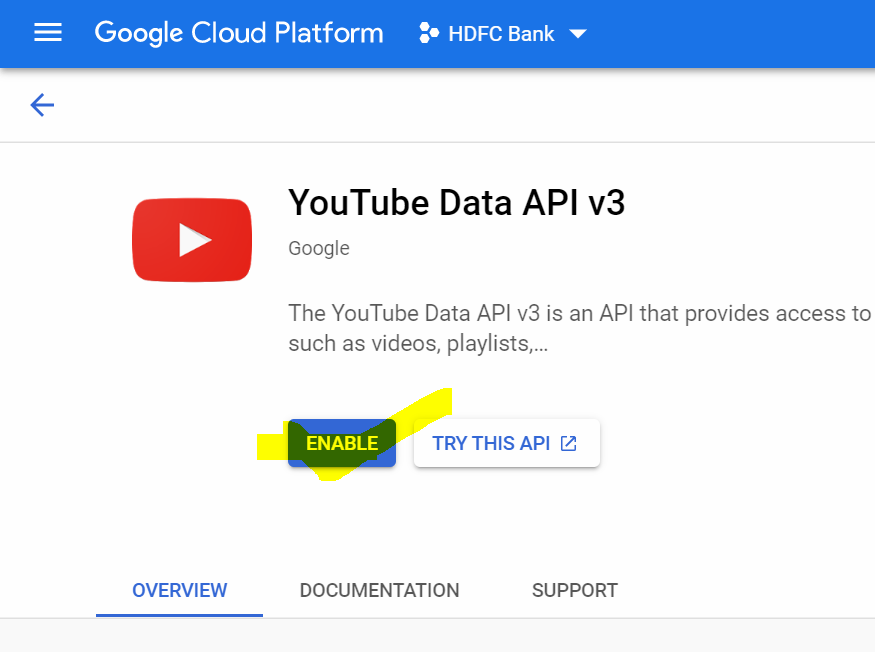


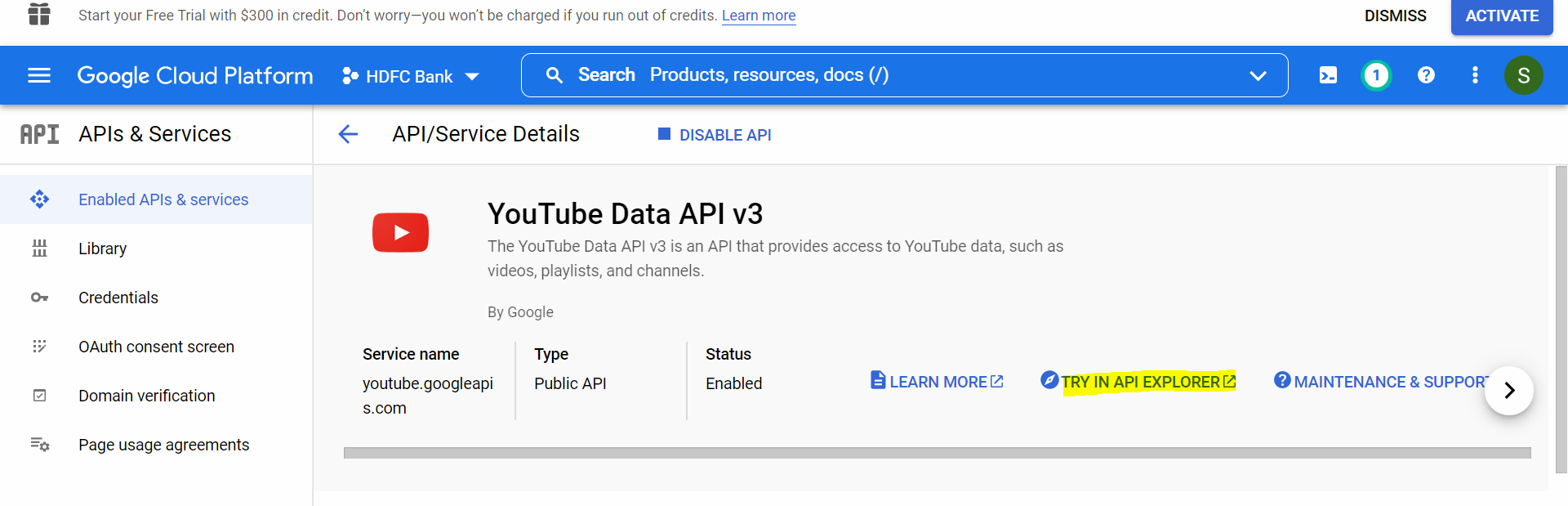


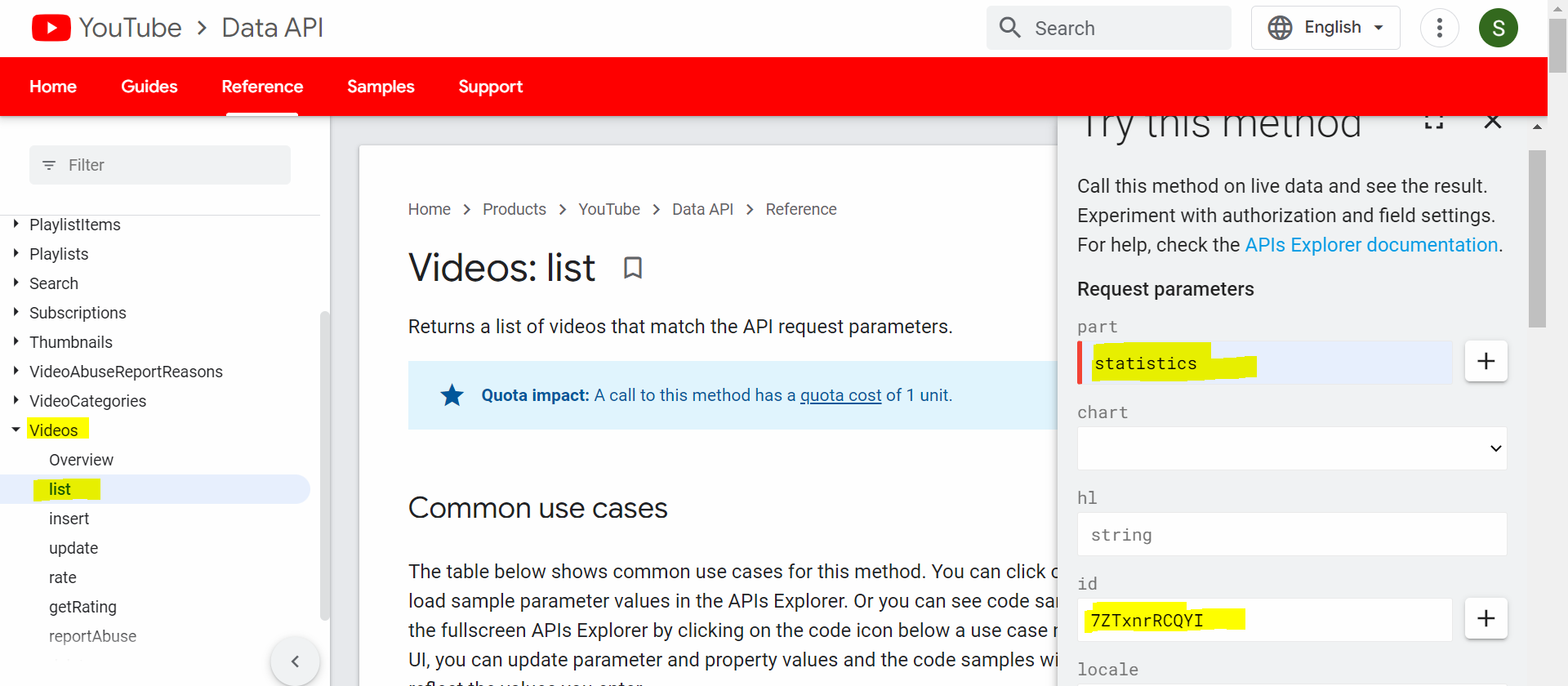
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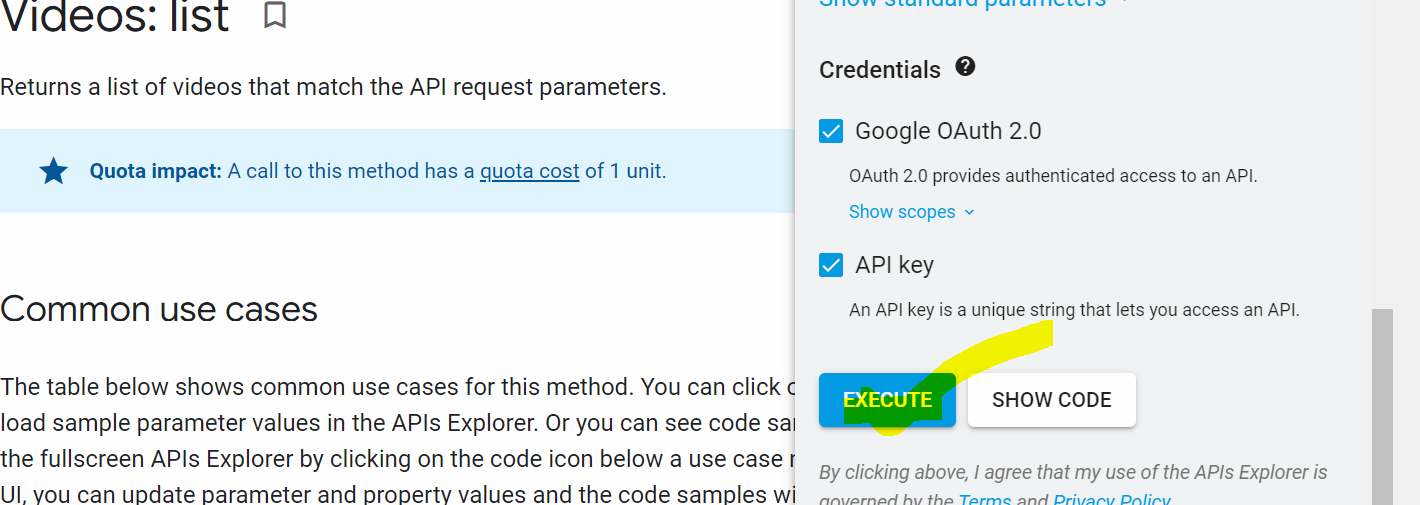


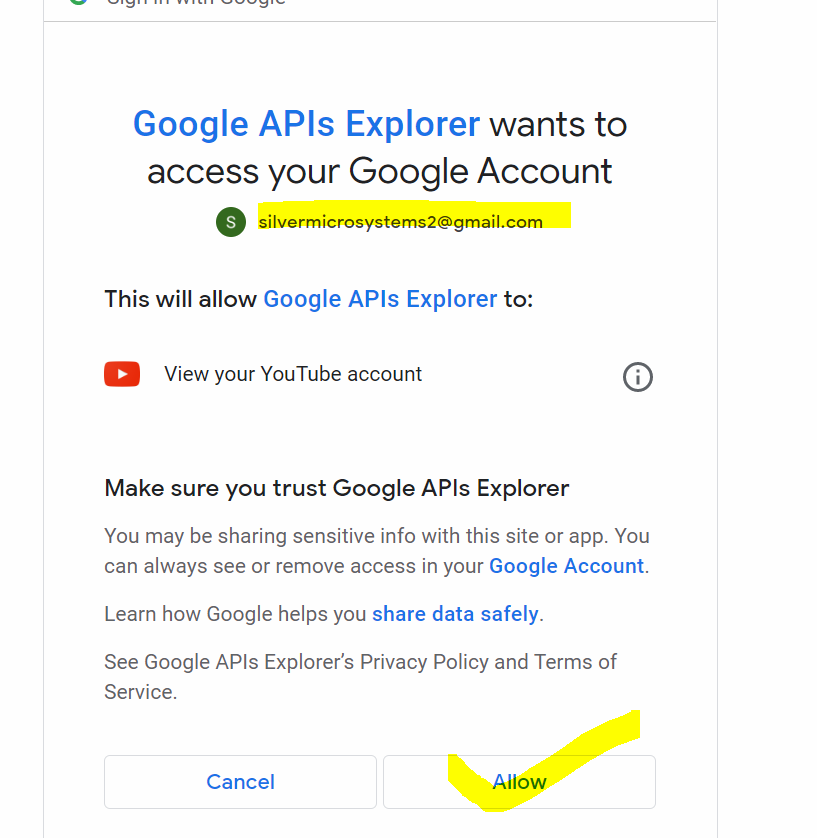


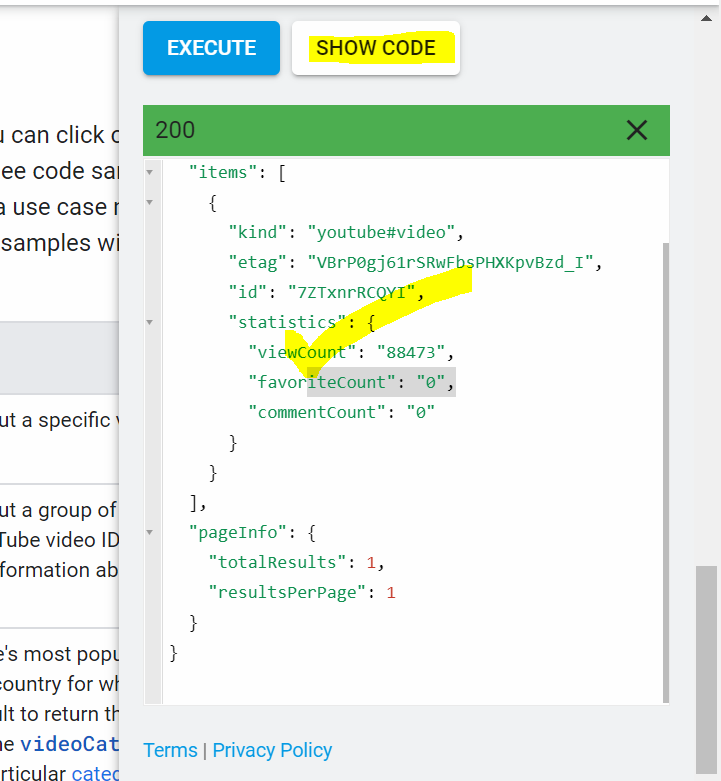




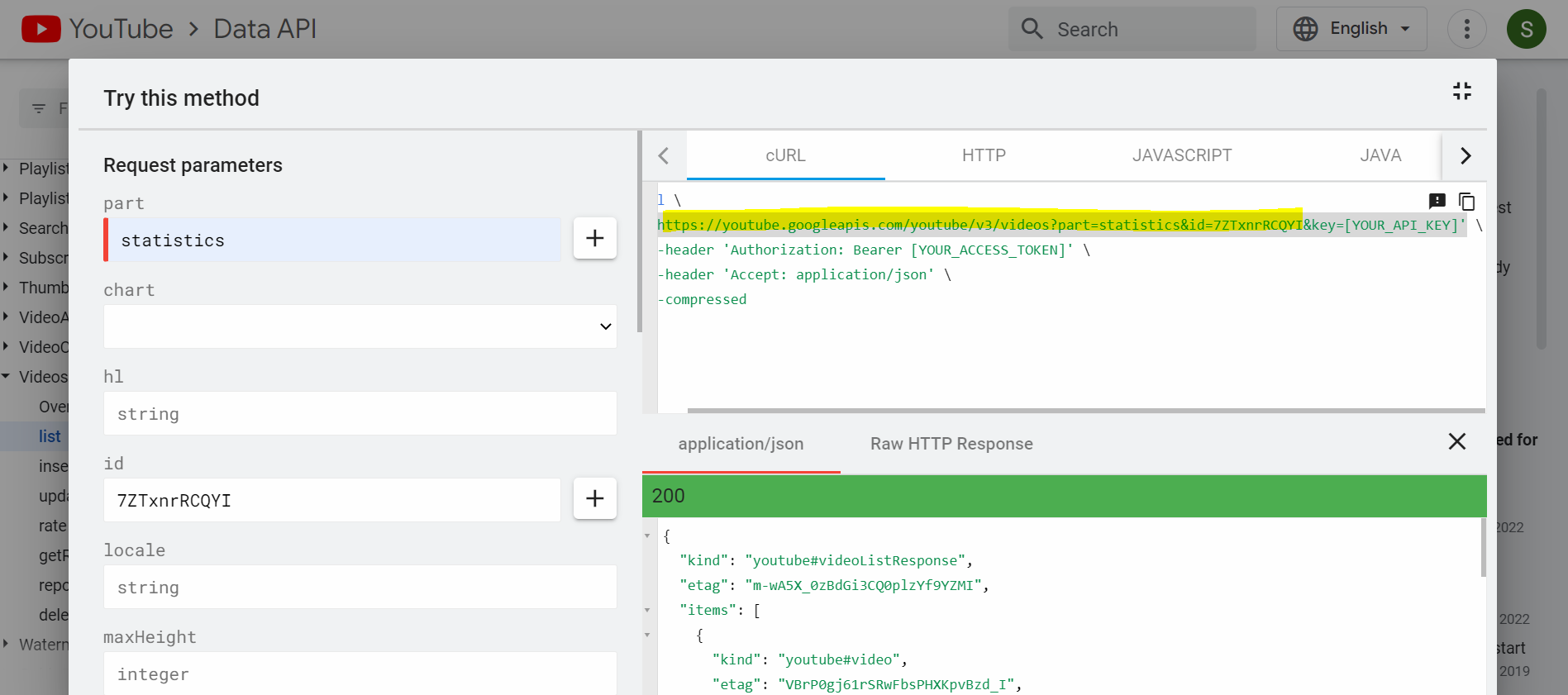






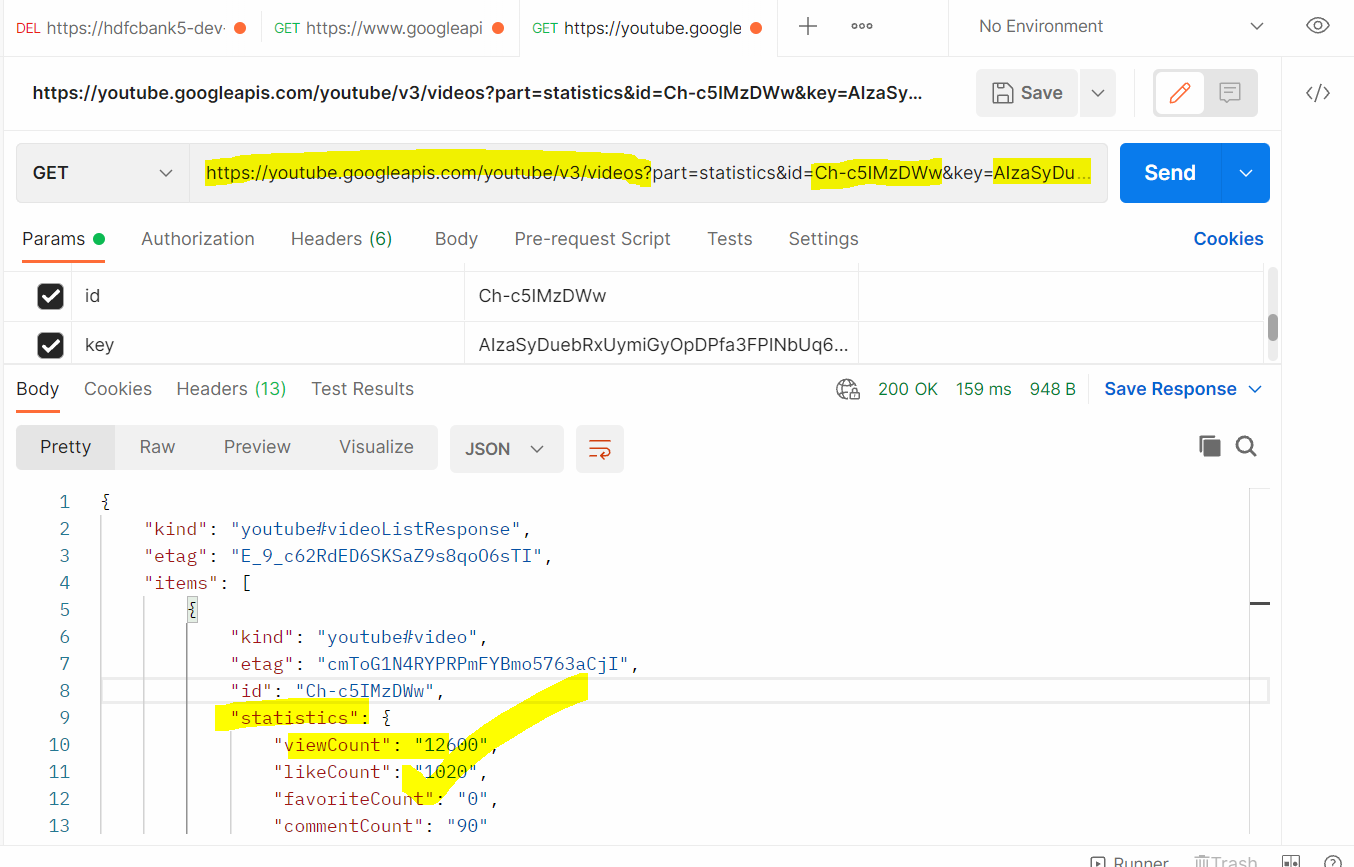


'https://youtube.googleapis.com/youtube/v3/videos?part=statistics&id=7ZTxnrRCQYI&key=[YOUR\_API\_KEY]'



Postman 🡺YouTube

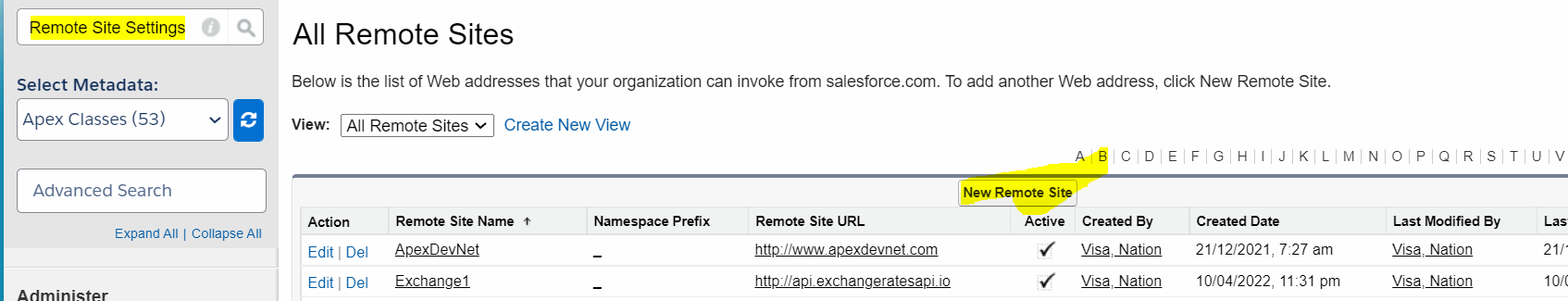
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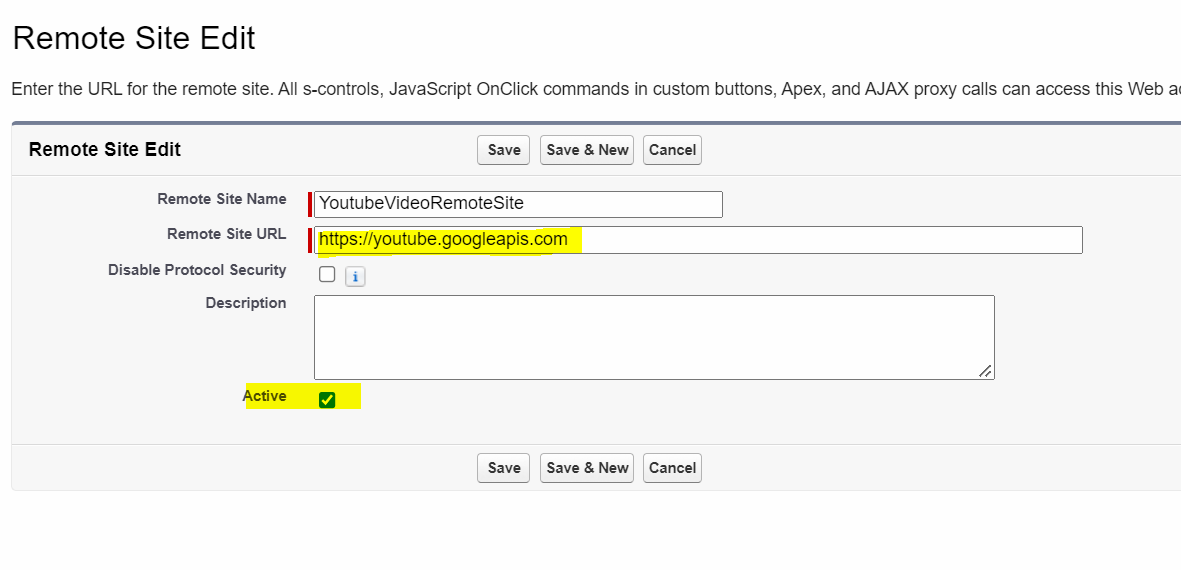


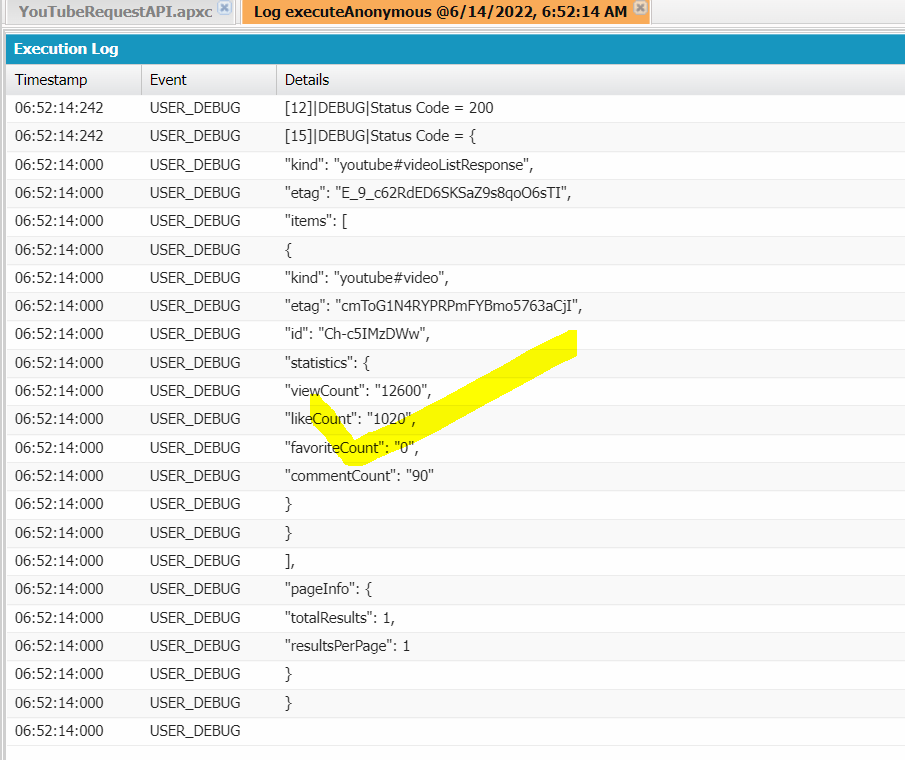
===========================================

SFDC 🡨 🡪 Youtube









CODE 1]

public class YouTubeRequestAPI {

public static void getYouTubeVideoStatistics(){

String key = 'AIzaSyDuebRxUymiGyOpDPfa3FPINbUq6Rhn018';

String videoId = 'BV-xOH95jbU';

Http http = new Http();

HttpRequest request = new HttpRequest();

request.setEndpoint('https://youtube.googleapis.com/youtube/v3/videos?part=statistics&id='+videoId+'&key='+key);

request.setMethod('GET');

HttpResponse response = http.send(request);

System.debug('Status Code = '+response.getStatusCode());

if(response.getStatusCode() == 200){

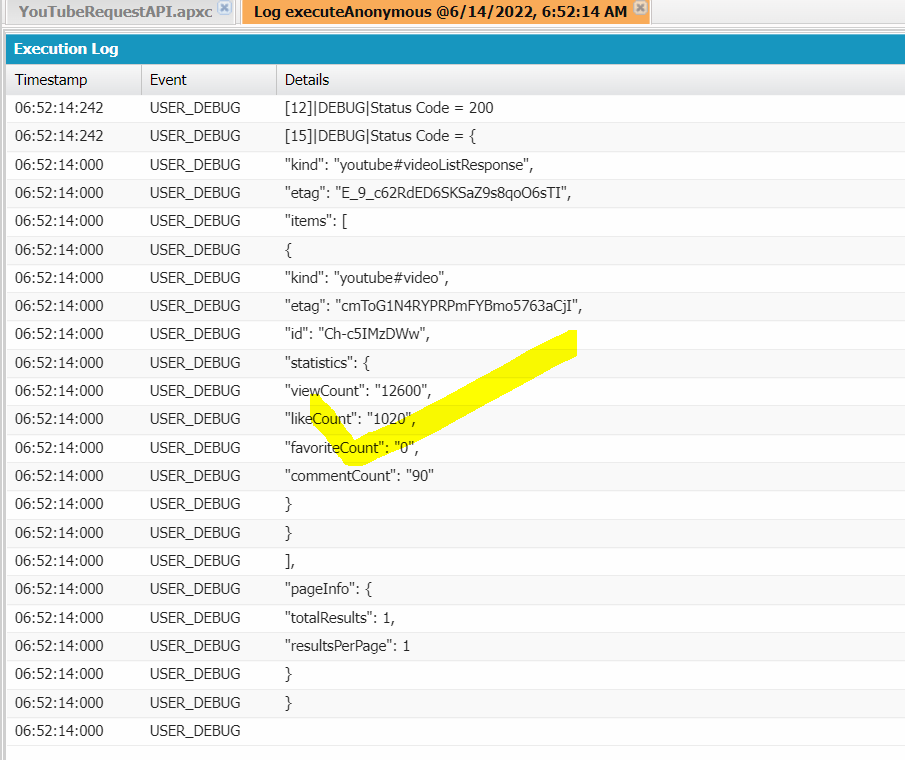
System.debug('Status Code = '+response.getBody());

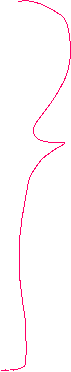
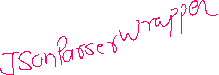
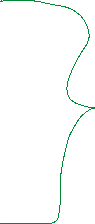
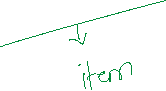
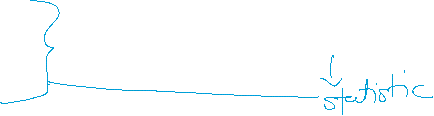
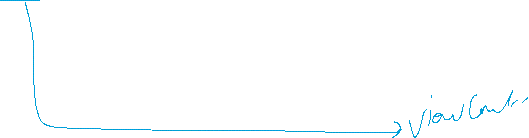
}

}

}

CODE 2]





public class YouTubeRequestAPI {

public static void getYouTubeVideoStatistics(){

String key = 'AIzaSyDuebRxUymiGyOpDPfa3FPINbUq6Rhn018';

String videoId = 'BV-xOH95jbU';

Http http = new Http();

HttpRequest request = new HttpRequest();

request.setEndpoint('https://youtube.googleapis.com/youtube/v3/videos?part=statistics&id='+videoId+'&key='+key);

request.setMethod('GET');

HttpResponse response = http.send(request);

System.debug('Status Code = '+response.getStatusCode());

if(response.getStatusCode() == 200){

JsonParserWrapper objJsonPar = (JsonParserWrapper) JSON.deserialize(response.getBody(), JsonParserWrapper.class);

System.debug('View Count = '+objJsonPar.items[0].statistics.viewCount);

System.debug('Like Count = '+objJsonPar.items[0].statistics.likeCount);

System.debug('DisLike Count = '+objJsonPar.items[0].statistics.dislikeCount);

System.debug('Favorite Count = '+objJsonPar.items[0].statistics.favoriteCount);

System.debug('Comments Count = '+objJsonPar.items[0].statistics.commentCount);

}

}

public class JsonParserWrapper{

public String etag{get;set;}

public list<items> items{get;set;}

public String kind{get;set;}

}

public class statistics{

public String viewCount{get;set;}

public String likeCount{get;set;}

public String dislikeCount{get;set;}

public String favoriteCount{get;set;}

public String commentCount{get;set;}

}

public class items{

public String id{get;set;}

public String etag{get;set;}

public statistics statistics{get;set;}

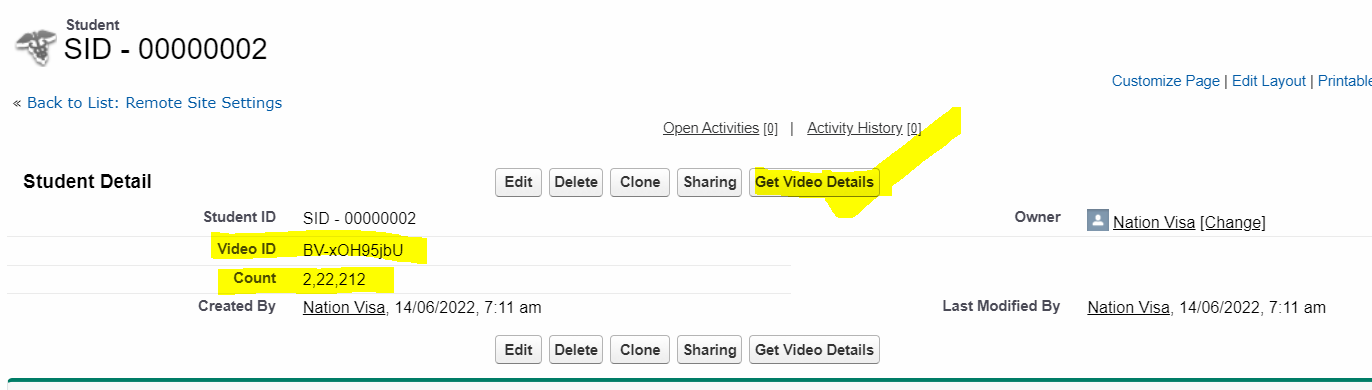
public String kind{get;set;}

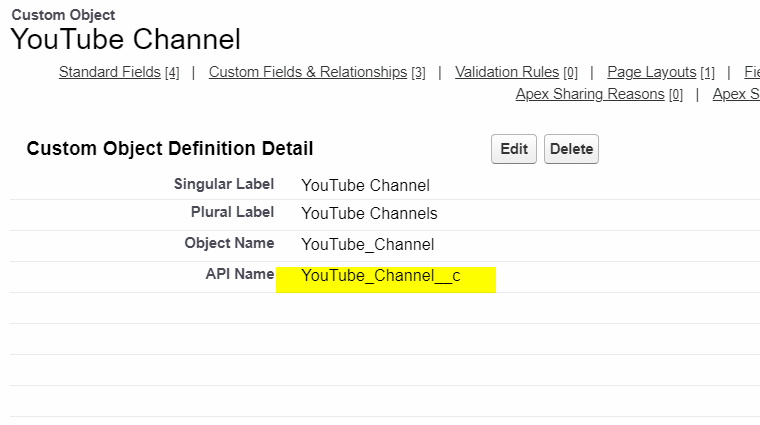
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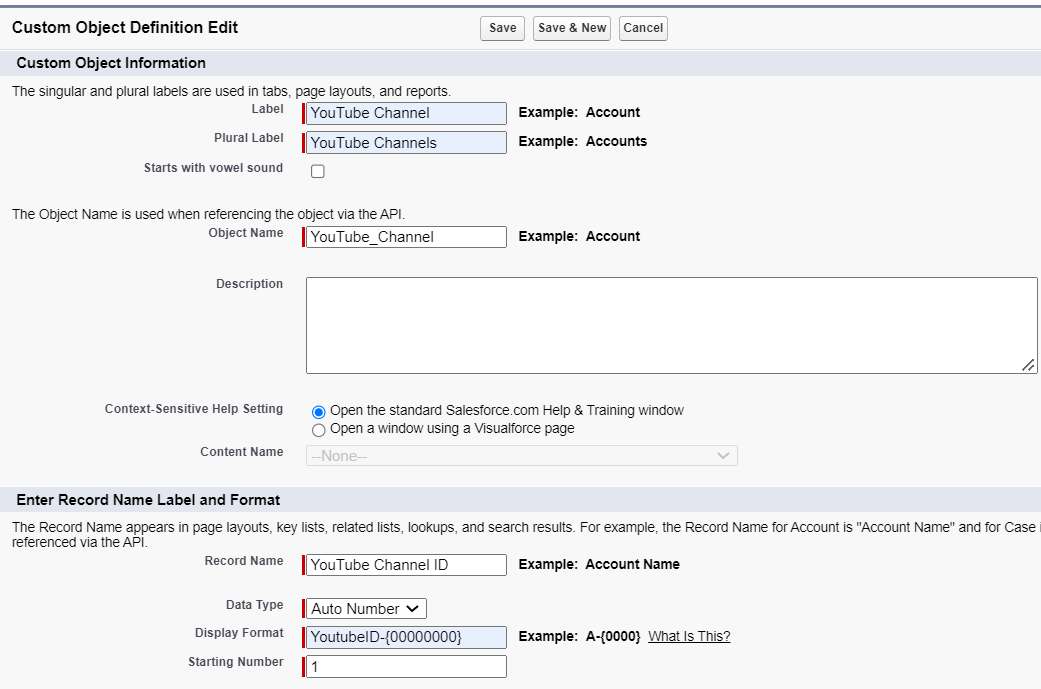
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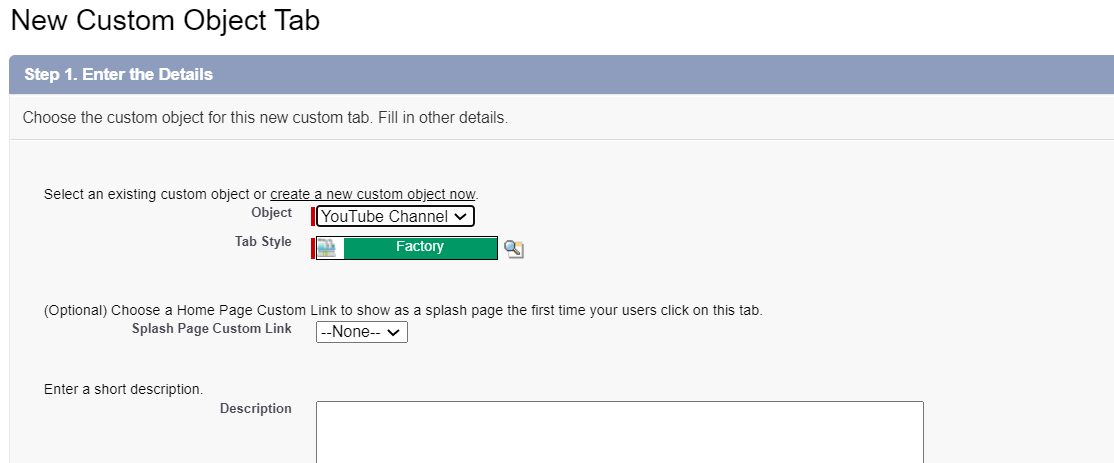


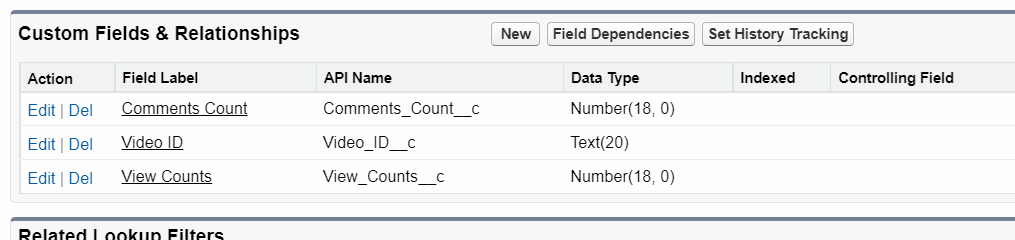
**IT Company User Story**

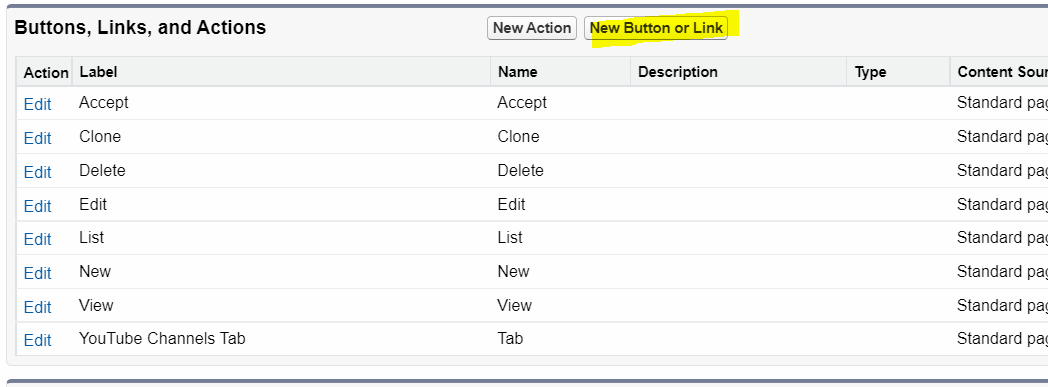


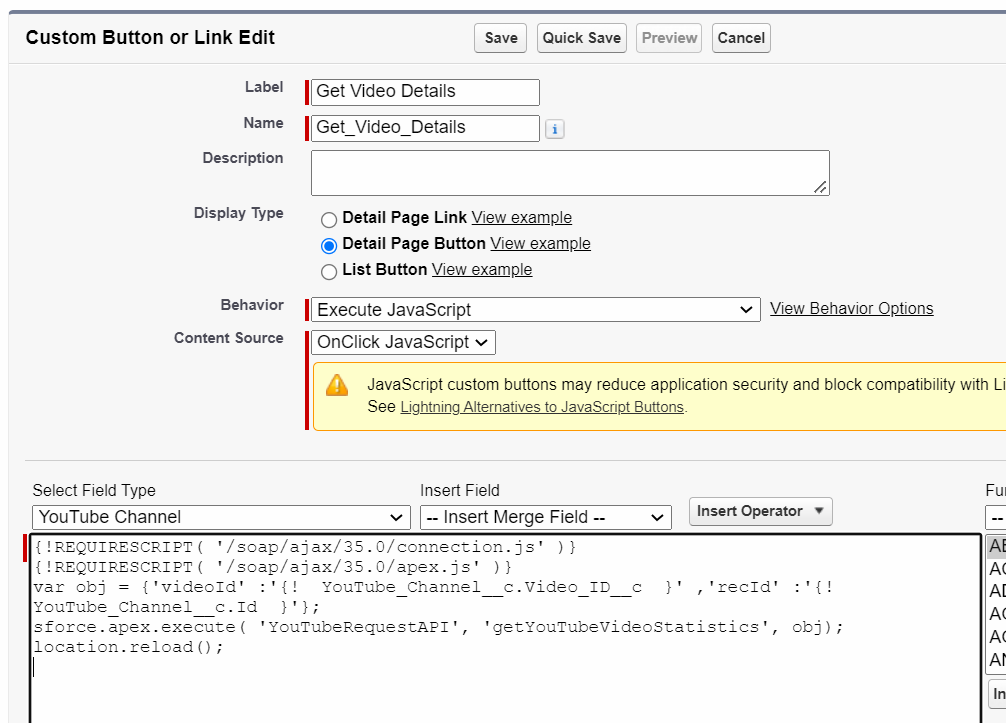


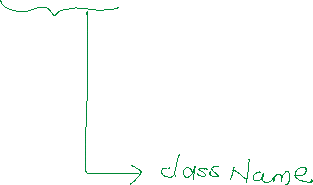
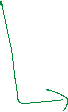












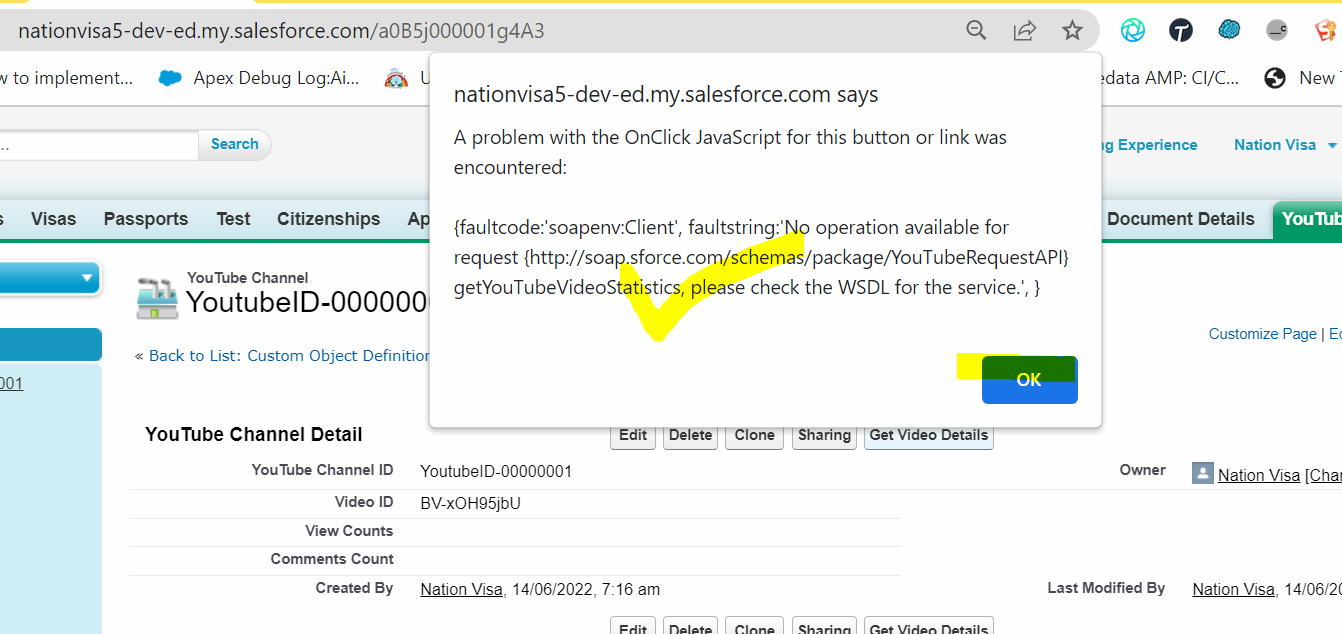
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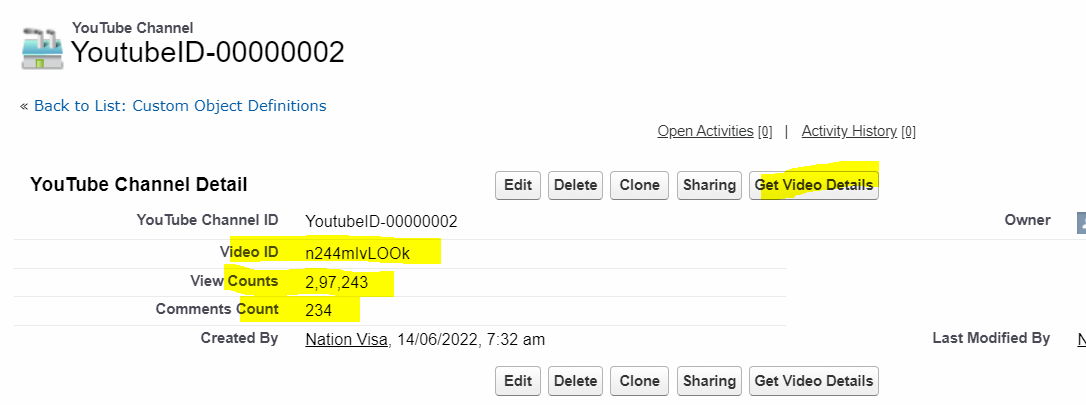
{!REQUIRESCRIPT( '/soap/ajax/35.0/apex.js' )}

var obj = {'videoId' :'{!YouTube\_Channel\_\_c.Video\_ID\_\_c}' ,'recId' :'{!YouTube\_Channel\_\_c.Id }'};

sforce.apex.execute( 'YoutubeRequestAPI', 'getYoutubeVideoData', obj);

location.reload();





CODE 3]

global class YouTubeRequestAPI {

webService static void getYouTubeVideoStatistics(String videoId, String recId){

String key = 'AIzaSyDuebRxUymiGyOpDPfa3FPINbUq6Rhn018';

Http http = new Http();

HttpRequest request = new HttpRequest();

request.setEndpoint('https://youtube.googleapis.com/youtube/v3/videos?part=statistics&id='+videoId+'&key='+key);

request.setMethod('GET');

HttpResponse response = http.send(request);

System.debug('Status Code = '+response.getStatusCode());

if(response.getStatusCode() == 200){

JsonParserWrapper objJsonPar = (JsonParserWrapper) JSON.deserialize(response.getBody(), JsonParserWrapper.class);

YouTube\_Channel\_\_c objYouTubeChann = new YouTube\_Channel\_\_c();

objYouTubeChann.Id = recId;

objYouTubeChann.View\_Counts\_\_c = Integer.valueOf(objJsonPar.items[0].statistics.viewCount);

objYouTubeChann.Comments\_Count\_\_c = Integer.valueOf(objJsonPar.items[0].statistics.commentCount);

Database.update(objYouTubeChann,false);

}

}

public class JsonParserWrapper{

public String etag{get;set;}

public list<items> items{get;set;}

public String kind{get;set;}

}

public class statistics{

public String viewCount{get;set;}

public String likeCount{get;set;}

public String dislikeCount{get;set;}

public String favoriteCount{get;set;}

public String commentCount{get;set;}

}

public class items{

public String id{get;set;}

public String etag{get;set;}

public statistics statistics{get;set;}

public String kind{get;set;}

}

}

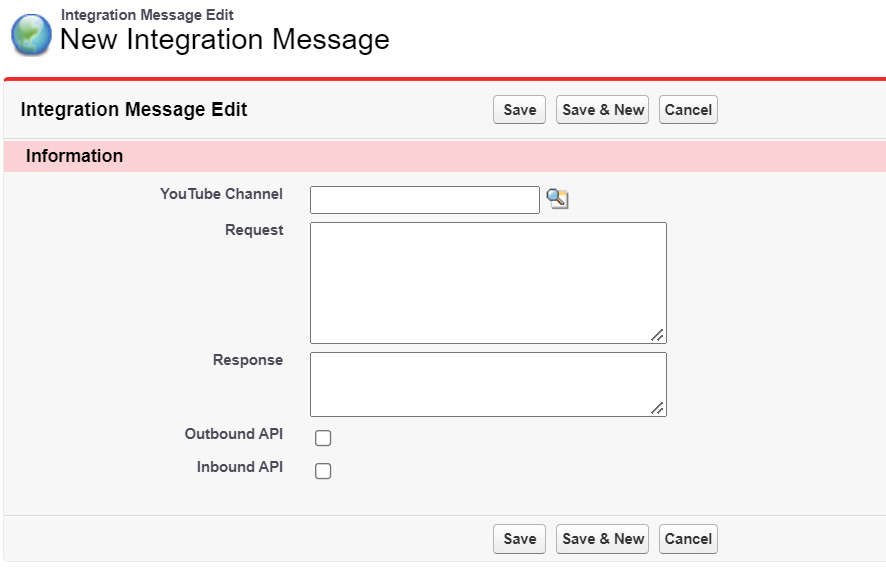
Difference Between REST API and SOAP API

Following are the important differences between REST API and SOAP API.

| **Sr. No.** | **Key** | **REST API** | **SOAP API** |
| --- | --- | --- | --- |
| 1 | Implementation | Rest API is implemented as it has no official standard at all because it is an architectural style. | On other hand SOAP API has an official standard because it is a protocol. |
| 2 | Internal communication | REST APIs uses multiple standards like HTTP, JSON, URL, and XML for data communication and transfer. | SOAP APIs is largely based and uses only HTTP and XML. |
| 3 | Resource requirement | As REST API deploys and uses multiple standards as stated above, so it takes fewer resources and bandwidth as compared to SOAP API. | On other hand Soap API requires more resource and bandwidth as it needs to convert the data in XML which increases its payload and results in the large sized file. |
| 4 | Description | REST API uses Web Application Description Language for describing the functionalities being offered by web services. | On other hand SOAP API used Web Services Description language for the same. |
| 5 | Security | REST has SSL and HTTPS for security. | On other hand SOAP has SSL( Secure Socket Layer) and WS-security due to which in the cases like Bank Account Password, Card Number, etc. SOAP is preferred over REST. |
| 6 | Abbreviation | REST stands for Representational State Transfer. | On other hand SOAP stands for Simple Object Access Protocol |
| 7 | Interchange | REST can make use of SOAP as the underlying protocol for web services, because in the end it is just an architectural pattern. | On other hand SOAP cannot make use of REST since SOAP is a protocol and REST is an architectural pattern. |

STAM REST Request and Response in the SFDC.







global class YouTubeRequestAPI {

webService static void getYouTubeVideoStatistics(String videoId, String recId){

String key = 'AIzaSyDuebRxUymiGyOpDPfa3FPINbUq6Rhn018';

Http http = new Http();

HttpRequest request = new HttpRequest();

request.setEndpoint('https://youtube.googleapis.com/youtube/v3/videos?part=statistics&id='+videoId+'&key='+key);

request.setMethod('GET');

HttpResponse response = http.send(request);

System.debug('Status Code = '+response.getStatusCode());

Integration\_Message\_\_c objIntMessage = new Integration\_Message\_\_c();

objIntMessage.YouTube\_Channel\_\_c = recId; //Parent ID

objIntMessage.Request\_\_c = request.toString();

objIntMessage.Response\_\_c = response.getBody();

objIntMessage.Outbound\_Api\_\_c = true;

if(objIntMessage !=null ){

insert objIntMessage;

}

if(response.getStatusCode() == 200){

JsonParserWrapper objJsonPar = (JsonParserWrapper) JSON.deserialize(response.getBody(), JsonParserWrapper.class);

YouTube\_Channel\_\_c objYouTubeChann = new YouTube\_Channel\_\_c();

objYouTubeChann.Id = recId;

objYouTubeChann.View\_Counts\_\_c = Integer.valueOf(objJsonPar.items[0].statistics.viewCount);

objYouTubeChann.Comments\_Count\_\_c = Integer.valueOf(objJsonPar.items[0].statistics.commentCount);

Database.update(objYouTubeChann,false);

}

}

public class JsonParserWrapper{

public String etag{get;set;}

public list<items> items{get;set;}

public String kind{get;set;}

}

public class statistics{

public String viewCount{get;set;}

public String likeCount{get;set;}

public String dislikeCount{get;set;}

public String favoriteCount{get;set;}

public String commentCount{get;set;}

}

public class items{

public String id{get;set;}

public String etag{get;set;}

public statistics statistics{get;set;}

public String kind{get;set;}

}

}

LWC Youtube Player

<https://salesforce.stackexchange.com/questions/278441/having-trouble-playing-video-in-lwc>

1] Deployment – 02 Days

2] Aura 🡪 Your Decision (15 Days) = PENDING(VIDEOS)

3] Test Classes (Video) = 05 Days

4] JIRA Tools – 30 Min (Video) = 01