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How to add text and images to PDF in Salesforce using PDF.co Web API

PDF.co Web API is the Rest API that provides set of data extraction functions, tools for documents manipulation, splitting and merging of pdf files. Includes built-in OCR, images recognition, can generate and read barcodes from images, scans and pdf.

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Source Code Files:

AddImageToTheExistingPDF.cls

```
public class AddImageToTheExistingPDF {
```

```

public static void addImageToPDF()
{
    String API_KEY = '*****';
    string SourceFileUrl = 'https://bytescout-com.s3.amazonaws.com/files/demo-file
    string Pages = '';
    string Password = '';
    String DestinationFile = 'result';

    string Type1 = 'image';
    Integer X = 400;
    Integer Y = 600;
    Integer Width1 = 119;
    Integer Height1 = 32;
    String ImageUrl = 'https://bytescout-com.s3.amazonaws.com/files/demo-files/clo

    Map<string, Object> parameters = new Map<string, Object>();
    parameters.put('name', DestinationFile);
    parameters.put('password', Password);
    parameters.put('pages', Pages);
    parameters.put('url', SourceFileUrl);
    parameters.put('type', Type1);
    parameters.put('x', X);
    parameters.put('y', Y);
    parameters.put('width', Width1);
    parameters.put('height', Height1);
    parameters.put('urlimage', ImageUrl);

    string jsonPayload = Json.serialize(parameters);
    try
    {
        string url = 'https://api.pdf.co/v1/pdf/edit/add';
        HttpRequest req = new HttpRequest();
        req.setBody(jsonPayload);
        req.setHeader('x-api-key', API_KEY);
        req.setHeader('Content-Type', 'application/json');
        req.setEndpoint(url);
        req.setMethod('POST');
        req.setTimeout(60000);
        Http http = new Http();
        HTTPResponse res = http.send(req);
        if(res.getStatusCode() == 200)
        {
            System.Debug('res ' + res);
            Map<String, Object> deserializedBody = (Map<String, Object>)JSON.dese
            String urlVal = (String)deserializedBody.get('url');
            downloadPDFAndStore(urlVal, DestinationFile);
        }
        else
        {
            System.debug('Success Response ' + res.getBody());
            System.Debug(' Status ' + res.getStatus());
            System.Debug(' Status Code' + res.getStatusCode());
            System.Debug(' Status String' + res.toString());
        }
    }
    catch(Exception ex)
    {
        String errorBody = 'Message: ' + ex.getMessage() + ' -- Cause: ' + ex.getC

```

```

        System.Debug(errorBody);
    }
}

@TestVisible
private static void downloadPDFAndStore(String extFileUrl, String DestinationFile)
{
    try
    {
        Http h = new Http();
        HttpRequest req = new HttpRequest();
        extFileUrl = extFileUrl.replace(' ', '%20');
        req.setEndpoint(extFileUrl);
        req.setMethod('GET');
        req.setHeader('Content-Type', 'application/pdf');
        req.setCompressed(true);
        req.setTimeout(60000);
        //Now Send HTTP Request
        HttpResponse res = h.send(req);
        if(res.getStatusCode() == 200)
        {
            blob fileContent = res.getBodyAsBlob();
            ContentVersion conVer = new ContentVersion();
            conVer.ContentLocation = 'S'; // to use S specify this document is in
            conVer.PathOnClient = DestinationFile + '.pdf'; // The files name, ext
            conVer.Title = DestinationFile; // Display name of the files
            conVer.VersionData = fileContent;
            insert conVer;
            System.Debug('Success');
        }
        else
        {
            System.debug('Success Response ' + res.getBody());
            System.Debug(' Status ' + res.getStatus());
            System.Debug(' Status Code' + res.getStatusCode());
            System.Debug(' Status String' + res.toString());
        }
    }
    catch(Exception ex)
    {
        String errorBody = 'Message: ' + ex.getMessage() + ' -- Cause: ' + ex.getCa
        System.Debug(errorBody);
    }
}
}
}

```

AddImageToTheExistingPDFTest.cls

```

@isTest
public class AddImageToTheExistingPDFTest
{

```

```

private testmethod static void testaddImageToPDF()
{
    Test.setMock(HttpCalloutMock.class, new AddImageToTheExistingPDFTest.DocumentC
    AddImageToTheExistingPDF.addImageToPDF();
    List<ContentVersion> cv = [select Id from ContentVersion];
    System.assertEquals(1, cv.size());
}

private testmethod static void testFetchDataAndCreatePDFException()
{
    AddImageToTheExistingPDF.addImageToPDF();
    List<ContentVersion> cv = [select Id from ContentVersion];
    System.assertEquals(0, cv.size());
}

private testmethod static void testdownloadPDFAndStoreException()
{
    AddImageToTheExistingPDF.downloadPDFAndStore(null, null);
    List<ContentVersion> cv = [select Id from ContentVersion];
    System.assertEquals(0, cv.size());
}

public class DocumentCreationMock implements HttpCalloutMock {
    public HTTPResponse respond(HTTPRequest req) {
        HTTPResponse res = new HTTPResponse();
        String testBody = '{"hash":"e3b0c44298fc1c149afb4c8996fb92427ae41e4649b93
        res.setHeader('Content-Type', 'application/json');
        res.setBody(testBody);
        res.setStatusCode(200);
        return res;
    }
}
}
}

```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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