

CA eSign Version 3.2 API Integration Document

Steps to integrate CA eSign:-

1. Call a POST api named “**GetSignedXMLDocData**” with String array of base64 of PDF files and get base64 string “signedRef” as response.
2. Create a form and set the Base64 string “signedRef” (getting from the point no 1) into textarea tag named “*txnref*”.
3. Redirect the form to the eSign ESP portal like payment portal.
4. Create a response page or controller to get response from the ESP.
5. Call a POST api named “**GetSignedPDF32**”.
6. Get signed pdf URL list in response of point no 5 and download the files from URL.

1.1 GetSignedXMLDocData :-

Call the POST api to get base64 key by given input json with String array of base64 string of PDF(want to eSign).

ASP must need to create a GET response controller/page for get response.

The Generated transaction id followed by Client Code should be unique everytime like, if client code is “**TEST**” and random no is “**asd-dfdsf-sfasdd5-sdaa2**” then the txn is “**TEST_ asd-dfdsf-sfasdd5-sdaa2**” and its maximum length must be 64 digits.

RSD URL :-

https://apitest.sewadwaar.rajasthan.gov.in/app/live/rajEsign/rajApi/esignApi/GetSignedXMLDocData?client_id=<client_id>

Service Name :- “Get Signed XML Doc Data”

Input json :-

```
{
  "file": ["String array of base64 string of PDF"],
  "clientId": "Provided by eSign Team",
  "xcord": "400",
  "ycord": "30",
  "signatureOnPageNumber": "FIRST/LAST/ALL",
  "redirectUrl": "URL of response controller/page where response send by the eSign ESP ",
  "eSignerid": "user's ekyc id",
  "txn": "TEST_ asd-dfdsf-sfasdd5-sdaa2" (Maximum length must be 64 digits) ),
  "designation": "XXXX" (Maximum length 50 character),
  "location": "District_Name, State_Name, IN",
```

```
    "sigsize" : "small/medium/large"  
  }
```

Note :- in "signatureOnPageNumber"

FIRST : signature on first page of all PDF

LAST : signature on last page of all PDF

ALL : signature on all pages of all PDF

Output json :-

```
{  
  "responseCode": "REA_001/REA_000",  
  "responseMsg": "Success/Error message",  
  "signedRef": "base64 string of reference id/blank",  
  "txn" : "xxxx"  
}
```

Note :- Please subscribe the RSD URLs before use.

1.2 Redirect to ESP portal as form data :-

Form :-

```
<form  
action="https://esignuat.rajasthan.gov.in:9006/esign/3.2/signdocservice/"  
method="post" enctype="application/x-www-form-urlencoded"  
name="upload_V3_2Form">  
  <textarea rows="20" cols="100" name="txnref" hidden="true">  
    signedRef get from GetSignedXMLDocData API  
  </textarea>  
</form>
```

1.3 Response Controller/Page :-

Redirect to response URL and call GetSignedPDF32 POST API.

1.4 GetSignedPDF32 :-

Call POST API to get signed PDF file URL.

URL :-

https://apitest.sewadwaar.rajasthan.gov.in/app/live/rajEsign/rajApi/esignApi/GetSignedPDF32?client_id=<client_id>

Service Name :- "Get Signed PDF32"

Input json :-

```
{
  "clientCode" : " Provided by eSign Team ",
  "txn": "generated in previously" (Maximum length must be 64 digits)
}
```

Output json :-

```
{
  "responseCode" : "REA_001/REA_000",
  "responseMsg" : "Success/Error message",
  "filePath" : [{"fileUrl":"","fileUrl":"","...}],
  "txn" : "xxxx"
}
```

Note :- Please subscribe the RSD URLs before use.

1.5 eSign API Error Codes :-

Sr. No.	Code No.	Description
1.	REA_000	Error processing request, Please try again!
2.	REA_001	Success
3.	REA_002	Duplicate Transaction Id
4.	REA_003	The length of Transaction id must be less than or equal to 64
5.	REA_004	Invalid: Client Code not exist or Inactive Client Code.
6.	REA_005	Document Hash not received!!
7.	REA_006	PDF does not contain page no.

8.	REA_011	Pdf File not Generate at public location, Please try again.
9.	REA_012	You have entered wrong Aadhaar Number of logged-in user Or SSO Name must be matched with Aadhaar Name, you have to correct your name in SSO or Aadhaar.
10.	REA_013	Document Hash not received properly for pdf file " PDF FILE NO " please try again.
11.	REA_014	Please upload only a valid PDF file or ensure that it is not corrupted.
12.	REA_015	The provided Base64 encoding is incorrect.
13.	REA_016	Your IP is not whitelisted.
14.	REA_017	Your Transaction ID is not same as Transaction ID sent in GetSignedXML API
15.	REA_018	Length of Employee Designation must be less than or equal to 50 characters.
16.	REA_019	Designation value is mandatory.
17.	REA_020	Location value is mandatory.
18.	REA_021	Transaction ID is not start with correct Client Code
19.	REA_022	You are unauthorized User.
20.	ESP-001	Internal Error ESP Service Unavailable.
21.	ESP-002	Internal Error ESP Service Unavailable.
22.	ESP-408	Invalid ASP Request!
23.	ESP-410	Invalid ASP Consent or Consent Not Provided!
24.	ESP-415	Invalid OTP No. of Retry Attempt Exhausted!!
25.	ESP-416	Invalid Biometric No. of Retry Attempt Exhausted!!
26.	ESP-417	Invalid Iris.
27.	ESP-901	Invalid Authentication Mode.
28.	ESP-902	Invalid ASP Id. It Cannot Be Empty.
29.	ESP-903	Invalid ASP Id. It May Not Exist or May be Inactive.
30.	ESP-905	Document Hash Not Received.
31.	ESP-906	UID Token Does Not Match.
32.	ESP-907	Request Time Stamp Cannot Be Empty.
33.	ESP-908	Request Time Stamp is not Valid. Please check the server time.
34.	ESP-909	Transaction Id Cannot Be Empty.
35.	ESP-910	Duplicate Transaction ID for the given ASP.
36.	ESP-911	Input XML Signature Verification Failed.
37.	ESP-944	User Terminated eKYC Process.
38.	ESP-945	User Terminated eKYC Process after OTP Generation
39.	ESP-946	User Interface Page Expired
40.	ESP-922	Invalid Signature on Input XML. Please use the corresponding certificate mapped with ESP.
41.	ESP-991	ESP Database Connectivity Error.
42.	ESP-992	Input XML Parsing Error.
43.	ESP-993	Error Parsing CA Response XML
44.	ESP-999	Unknown Error. eSign Failed.
45.	ESP-000	Mail formed/Not well-formed/Malicious XML request or XML request size exceeds 20 KB.

----- END of the DOCUMENT -----