

CA eSign Version 2.1 API Integration Document

Steps to integrate CA eSign:-

1. Call a POST api named "GetSingedXmlApi" and get base64 string as response.
2. Decode the base64 string and get the XML string from response of point no 1.
3. Create a form and set the XML string get from the point no 2 into textarea tag named "*esignData*".
4. Redirect the form to the eSign ESP portal like payment portal.
5. Create a response page or controller to get response xml from the ESP from point no 4 by request parameter named "*esignData*".
6. Create a base64 string of xml string get in point no 5.
7. Call a POST api named "**GetSingedPdfApi**" with base64 string from point no 6.
8. Get signed pdf URL in response of point no 7 and download the file from URL.

1.1 GetSingedXmlApi :-

Call the post api for get signed XML by given input json with base64 string of PDF(want to eSign).

ASP must need to create a post response controller/page for get response xml from ESP.

Generate the unique transaction id followed by Client Code 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://api.sewadwaar.rajasthan.gov.in/app/live/rajesign/rajApi/esignApi/GetSignedXML?client_id=<client_id>"

Service Name :- "RAJ ESIGN Get Singed Xml Api"

Input json :-

```
{
  "pdfFile1": "BASE64OFPDFFILE",
  "signatureOnPageNumber": "page no where you want to eSign", (0 - for all pages)
  "clientCode": " Provided by eSign Team",
  "xcord": "400",
  "ycord": "30",
  "responseUrl": "URL of response controller/page where response send by the eSign
ESP",
  "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"
  }
```

Output json :-

```
{
  "responseCode": "REA_001/REA_000",
  "responseMsg": "Success/Error message",
  "signedXMLData": "base64 of signed xml/blank",
  "txn": "xxxx"
}
```

Note :- Please subscribe the RSD URLs before use.

1.2 Redirect to ESP portal as form data :-

Form :-

```
<form action="https://esign.rajasthan.gov.in/esign/2.1/signdoc/" method="post"
  enctype="multipart/form-data" name="uploadForm">
    <textarea rows="20" cols="100" name="esignData" hidden="true">
      Base64 signed xml get from GetSingedXmlApi
    </textarea>
</form>
```

1.3 Response Controller/Page :-

Get response from ESP like

get XML from request like

```
"String esignRes = request.getParameter("esignData");"
```

1.4 GetSingedPdfApi :-

Call post API to get signed PDF file URL.

Service Name :- "RAJ ESIGN Get Singed Pdf Api"

RSD URL :-

"https://api.sewadwaar.rajasthan.gov.in/app/live/rajesign/rajApi/esignApi/GetSignedPDF?client_id=<client_id>"

Input json :-

```
{
  "esignResponse" : "Base64 of string of eSign ESP response 'esignRes' ",
  "clientCode" : " Provided by eSign Team ",
  "txn": "generated in previously", (Maximum length must be 64 digits)
  "username": "Name on Aadhar card"
}
```

Output json :-

```
{
  "responseCode" : "REA_001/REA_000",
  "responseMsg" : "Success/Error message",
  "signedPDFUrl" : "signed file path",
  "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.

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