

Development Languages

- PHP
- .NET
- Java

Prerequisite

- Valid Document Signer Certificate (Existing or you could Buy from Capricorn) in PFX with password.
- License File from Capricorn (Test or Live)
- Test PDF files for signing.
- Firewall rule to allow to connect to <https://www.eSign.digital/authenticate>

License File (content)

- aspid="Variable"
- ver="signerid"
- Serial="variable"
- License valid till date=
- License ID =

```
<esigndigital id="5" ver="1.0">  
<company>Capricorn Identity Services</company>  
<aspid>capricorncash</aspid>  
<expiry>02-Mar-2021</expiry>  
<esign version="3.0">  
  <signature serialid="5f8554"></signature>  
</esign>  
<esign version="3.2">  
  <signature serialid="5f8554"></signature>  
</esign>  
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</esigndigital>
```

- The developer would check the Serial of the PFX of the ASP, before signing and generating the request XML for signing.
- The developer would check the License file valid till date, before generating the request XML.
- It would pick the variable from the license file before generating the request file.

- The tool should check on internet to validate the license file once in 24 hours, otherwise it should stop responding.
-

Version

- This document is based on CCA eSign v 3.2

Important Points

- This document is limited to Digital eSigning of PDF file only.
- eSign is done based on eKYC account as per CCA guidelines IVG v 1.9.
- eKYC account is limited (PAN based eKYC account and Offline aadhar ZIP file)
- eSign is limited to individual and does not have Government eKYC and Organization eKYC.

Commands

- **GeteSignRequestXML**
This command would be used to Generate HASH from the PDF file and make a command for eSign.

<http://cca.gov.in/sites/files/pdf/esign/eSign-APIv3.2.pdf>

3.3.1. eSign XML structure

```
string GetEsignRequestXml(  
string physicalpath,  
string responseUrl,  
string redirectUrl,  
String docUrl,  
String docInfo,  
string txn,  
String signerid,  
String ver,  
string CapricornLicXmlpath,  
)
```

OR

```
string GetEsignRequestXml(  
string physicalpath,  
string responseUrl,  
string redirectUrl,
```

```
String docUrl,  
String docInfo,  
string txn,  
String signerid,  
String ver,  
string CapricornLicXmlpath,  
int pageno,  
Int height,  
Int width,  
Int x,  
Int y,  
)
```

OR

```
string GetEsignRequestXml(  
Byte[] pdf,  
string returnUrl,  
string redirectUrl,  
String docUrl,  
String docInfo,  
string txn,  
String signerid,  
String ver,  
string CapricornLicXmlpath,  
)
```

OR

```
string GetEsignRequestXml(  
Byte[] pdf,  
string returnUrl,  
string redirectUrl,  
String docUrl,  
String docInfo,  
string txn,  
String signerid,  
String ver,  
string CapricornLicXmlpath,  
int pageno,  
Int height,  
Int width,  
Int x,  
Int y,
```

)

```
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```

- **EmbedeSignSignature**

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