



# dox42 DigitalSigning Skribble Action

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Documentation

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dox42

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## Summary

This document explains the usage of the dox42 DigitalSigningSkribble action.

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## Document details

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## What is the dox42 DigitalSigningSkribble Action

The dox42 DigitalSigningSkribble Action is a dox42 Custom Output Action to automatically and directly send generated documents to Skribble ([www.skribble.com](http://www.skribble.com)) for digital signing.

The dox42 DigitalSigningSkribble Action needs to be installed separately on your dox42 Enterprise Server.

The generated document will be sent per email to the intended signer as attached PDF.

## Tags in the Document

Within the document please use the following Tags :

**\$\$Signer1\$\$** should be put where the signature will be placed (In case of several Signer, please use: \$\$Signer2\$\$, \$\$Signer3\$\$ ...)

**\$\$Seal\$\$** should be put where the seal will be placed at the end of the document generation if not provided a default position will be used as defined in the Web.config : if missing, a fallback position will be used.

## Parameters

To use the DigitalSigningSkribble in the dox42 Server call use the Action Name:

DigitalSigningCOA.Skribble

Number	Action	Parameter	ParamValue
0	DigitalSigningCOA.Skribble	SkribbleAction	signature
0	DigitalSigningCOA.Skribble	SkribbleTitle	Test Signature Skribble Document
0	DigitalSigningCOA.Skribble	SkribbleMessage	Tentative de signature d'un document
0	DigitalSigningCOA.Skribble	SkribbleLegislation	ZERTES
0	DigitalSigningCOA.Skribble	SkribbleQuality	AES
0	DigitalSigningCOA.Skribble	maxSigners	13
0	DigitalSigningCOA.Skribble	SkribbleSigner1	email@email.email

Parameter name	Requirement	Effect
<b>SkribbleAction</b>	mandatory	The action to perform. The available options are: <ul style="list-style-type: none"> <li>- <b>seal</b></li> <li>- <b>signature</b></li> <li>- <b>seal+signature</b></li> </ul>
<b>SkribbleTitle</b>	mandatory for all	As per of Skribble documentation, should be short and treated like a file name.
<b>SkribbleMessage</b>	mandatory for signature or seal+signature	As per of Skribble documentation, the message which is sent to the signer.
<b>SkribbleQuality</b>	mandatory for signature or seal+signature	As per of Skribble documentation, the available options are: <ul style="list-style-type: none"> <li><b>QES</b> (The document must be signed at QES, so every signer must use QES. This is the default level.) <ul style="list-style-type: none"> <li>- <b>AES_MINIMAL</b> (The document will be signed with at least AES, but a higher level is preferred. Signers will sign QES, if available, otherwise they will use AES.)</li> <li>- <b>AES</b> (The document should be signed with AES. Signers will use AES, if available, otherwise they fall back to QES, if available.)</li> <li>- <b>SES</b> (The document will be signed with SES by every signer. )</li> </ul> </li> </ul>
<b>SkribbleLegislation</b>	mandatory for signature or seal+signature if quality is QES, AES_MINIMAL or AES	So the legislation parameter takes following values: <ul style="list-style-type: none"> <li><b>ZERTES</b> (QES according to the Swiss law. This is the default value.)</li> <li><b>EIDAS</b> (QES according to the EU law)</li> </ul>
<b>maxSigners</b>	optional for signature or seal+signature	Max number of signers to process placeholders from \$\$Signer1\$\$ to \$\$Signer{maxSigners}\$\$

Parameter name	Requirement	Effect
<b>SkribbleCCaddress{1-2}</b>	optional	Given array of email-addresses that will be additionally notified upon completed signature request
<b>SkribbleSigner{0}</b>	optional for signature or seal+signature	The email for the signer (You can use how much field you want from SkribbleSigner1 to SkribbleSigner{maxSigners} : not necessary to use all of them in one round) : one at least mandatory
<b>visualSignatureX</b>	optional for signature or seal+signature	The X position of the Signature (used only if no placeholder \$\$Signer{}\$\$ found in the document)
<b>visualSignatureY</b>	optional for signature or seal+signature	The Y position of the Signature (used only if no placeholder \$\$Signer{}\$\$ found in the document) If multiple Signer without placeholder, the different signatures field will be placed vertically one on the other with a space of 5 between two
<b>visualSignatureWidth</b>	optional for signature or seal+signature	The desired width of the Signature (If not provided, fallback to the value of settings in the Web.config, if not defined in the Web.Config, fallback to 75)
<b>visualSignatureHeight</b>	optional for signature or seal+signature	The desired Height of the Signature (If not provided, fallback to the value of settings in the Web.config, if not defined in the Web.Config, fallback to 75)
<b>SkribbleSealImageUrl</b>	optional for seal or seal+signature	The url of the SealImage with one of the following patterns : <ul style="list-style-type: none"> <li>- C:\temp\seal.png</li> <li>- https://www.contoso.com/img/seal.png</li> </ul>
<b>visualSealX</b>	optional for seal or seal+signature	- The X position of the Seal (used only if no placeholder \$\$Seal\$\$ found in the document)
<b>visualSealY</b>	optional for seal or seal+signature	- The Y position of the Seal (used only if no placeholder \$\$Seal\$\$ found in the document)
<b>visualSealWidth</b>	optional for seal or seal+signature	- The desired width of the Seal (If not provided, fallback to the value of settings in the Web.config, if not defined in the Web.Config, fallback to 75)
<b>visualSealHeight</b>	optional for seal or seal+signature	- The desired Height of the Seal (If not provided, fallback to the value of settings in the Web.config, if not defined in the Web.Config, fallback to 75)

## “No account signers” Parameters

Some parameters could be added to manage signers without Skribble account.

The different parameters are as follow

<b>SkribbleSigner{0}_Firstname</b>	mandatory if no account signer	The first name of the signer
<b>SkribbleSigner{0}_Lastname</b>	mandatory if no account signer	The last name of the signer
<b>SkribbleSigner{0}_MobileNumber</b>	mandatory if no account signer and if quality is QES, AES_MINIMAL or AES	The mobile number of the signer
<b>SkribbleSigner{0}_IssuingCountry</b>	mandatory if no account signer and if quality is QES, AES_MINIMAL or AES	The issuing country of the ID of the signer
<b>SkribbleSigner{0}_Language</b>	optional	The language for notification. The available options are : <ul style="list-style-type: none"> <li>- en : English (default)</li> <li>- de : German</li> <li>- fr : French</li> </ul>
<b>SkribbleSigner{0}_Provider</b>	Optional and if quality is QES, AES_MINIMAL or AES	The provider of evidence where Skribble could validate the signers identity data (especially for advanced and qualified signatures levels). The only available option at the moment is : swisscom_ra_app

## Installation of DigitalSigningSkribble Action for dox42 Server

In order to use the DigitalSigningSkribble Action on the dox42 Server, please copy the following Assemblies in the /Bin directory of your Server:

- ✔ DigitalSigningCOA.dll

Now DocuSignAction has to be registered in the **web.config** of your server.

```
<customOutputActions>
  <add key="DigitalSigningCOA.Skribble" value="Skribble;c:\dox42Server\bin\DigitalSigningCOA.dll"/>
</customOutputActions>
```

For a dox42 online instance :

```
<customOutputActions>
  <add key="DigitalSigningCOA.Skribble" value="Skribble;c:\dox42online\{instanceName}\bin\DigitalSigningCOA.dll"/>
</customOutputActions>
```

## Setup of DigitalSigningSkribble Action for dox42 Server

First of all, add the following <section> in the <configSections> tag :

```
<section name="Skribble"
  type="System.Configuration.NameValueFileSectionHandler, System, Version=1.0.3300.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
```

Then add and complete the whole following section :

The orange colored lines can be removed as these parameters are optional

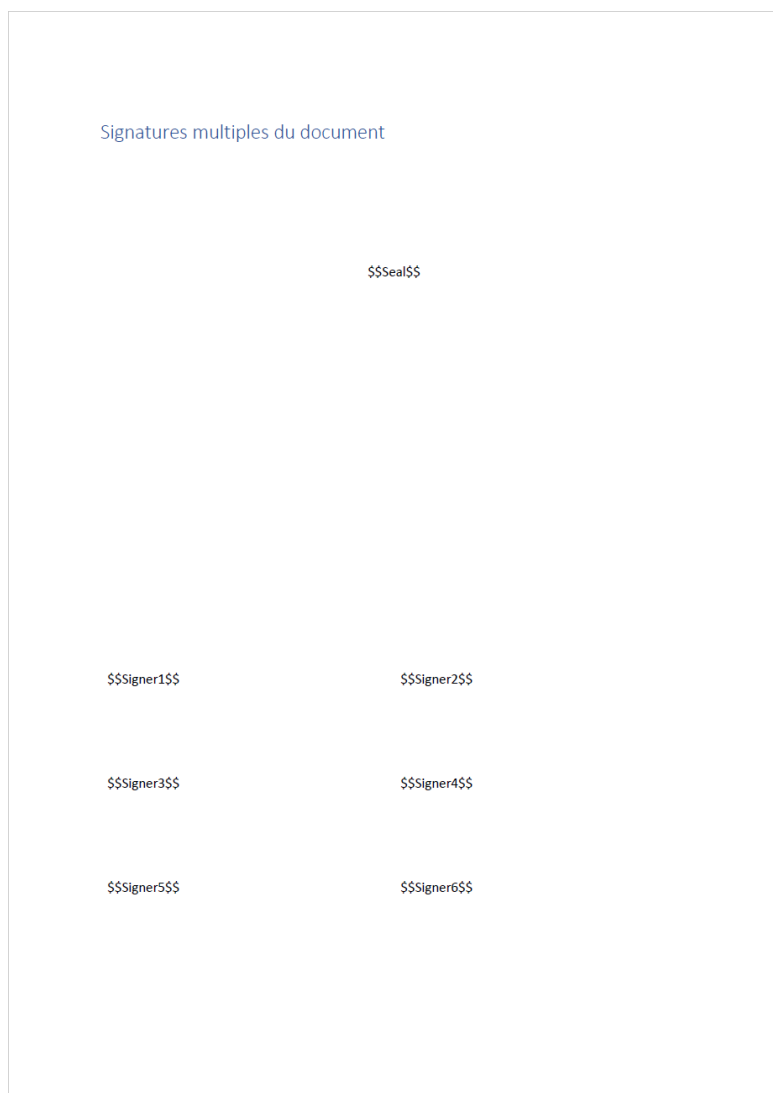
The red colored lines must be filled and have to be in the Web.config file as mandatory parameters.

```
<Skribble>
  <add key="endpointUrl" value="https://api.skribble.com"/>
  <add key="endpointUsername" value="[Your Skribble API Username]"/>
  <add key="endpointApiKey" value="[Your Skribble API Key]"/>
  <add key="callbackSuccess" value="[Your own callback URL including SKRIBBLE_SIGNATURE_REQUEST_ID and SKRIBBLE_DOCUMENT_ID in case of success] " />
  <add key="callbackError" value="[Your own callback URL including SKRIBBLE_SIGNATURE_REQUEST_ID and SKRIBBLE_DOCUMENT_ID in case of error] " />
  <add key="callbackUpdate" value="[Your own callback URL including SKRIBBLE_SIGNATURE_REQUEST_ID and SKRIBBLE_DOCUMENT_ID in case of update] " />
  <add key="visualSignatureWidth" value="120" />
  <add key="visualSignatureHeight" value="90" />
  <add key="visualSignatureX" value="100" />
  <add key="visualSignatureY" value="100" />
  <add key="visualSealWidth" value="75" />
  <add key="visualSealHeight" value="75" />
  <add key="visualSealX" value="100" />
  <add key="visualSealY" value="100" />
  <add key="maxSigners" value="10" />
</Skribble>
```

For more info about SKRIBBLE\_SIGNATURE\_REQUEST\_ID and SKRIBBLE\_DOCUMENT\_ID, please refer to the Skribble API documentation (<https://api-doc.skribble.com/>)

## Screen Shots of a Sample Application

You can put the different placeholders into the body of your document template.



During the generation process, depending of the action you choose, the different placeholders' position are identified, and then the text fragments are removed. After that, the document is send to Skribble platform.

If the action is set to "seal" :

- The document is send to Skribble and when sealed, the sealed document url is given back in the result as per below :

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GenerateDocumentResponse xmlns="http://www.dox42.com/">
      <GenerateDocumentResult>
        <GeneratedDocs />
        <SavedDocs>
          <SavedDocInfo>
            <Index>0</Index>
            <OutputAction>DigitalSigningCOA.Skribble</OutputAction>
            <URL>https://api.skribble.com/v1/documents/88de7466-d50c-b171-3feb-f1374e02695c/content</URL>
          </SavedDocInfo>
        </SavedDocs>
        <ResultMessage>OK</ResultMessage>
      </GenerateDocumentResult>
    </GenerateDocumentResponse>
  </soap:Body>
</soap:Envelope>
  
```



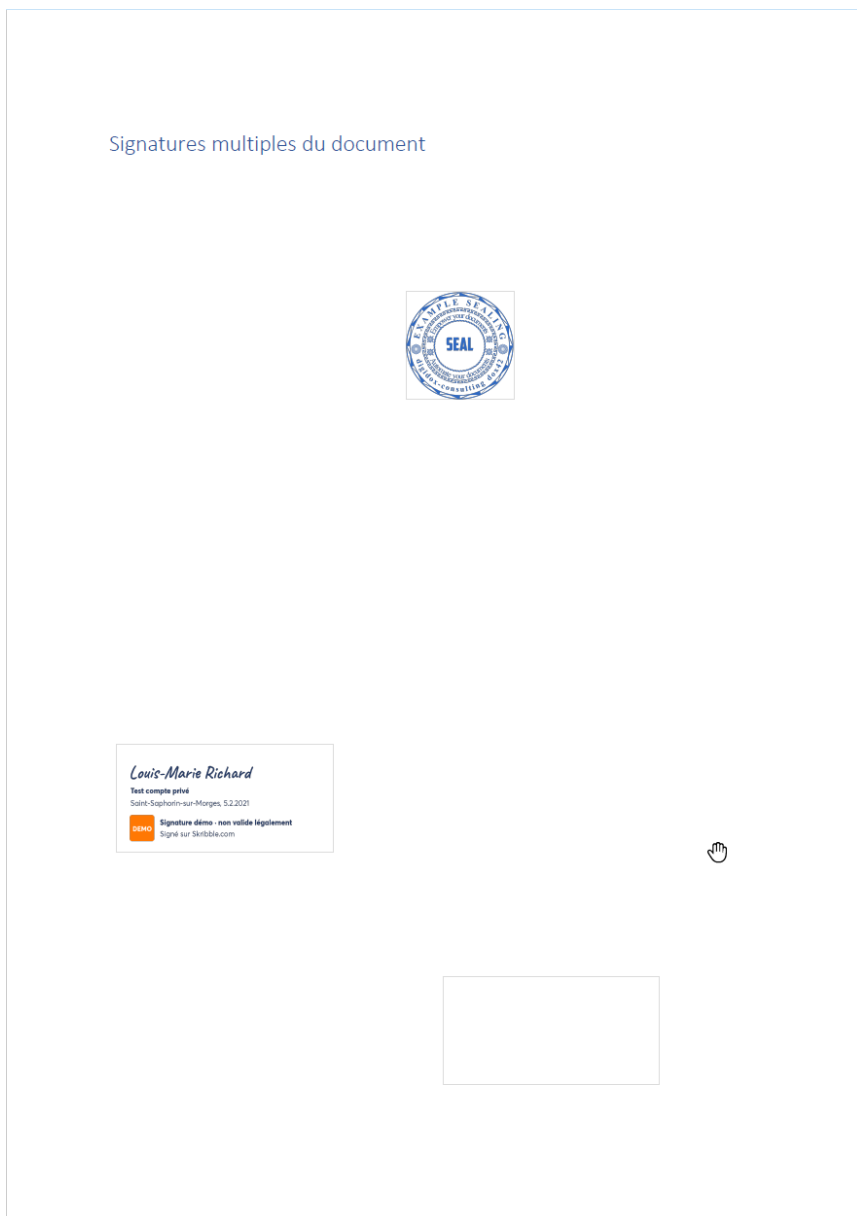
If the action is set to “signature” :

- The document is send to Skribble and as it is signed per each signer, the `callbackUpdate` and `callbackSuccess` are used to manage the document lifecycle. When succeeded, the whole signed document can be retrieved based on the information available in the callback

If the action is set to “seal+signature” :

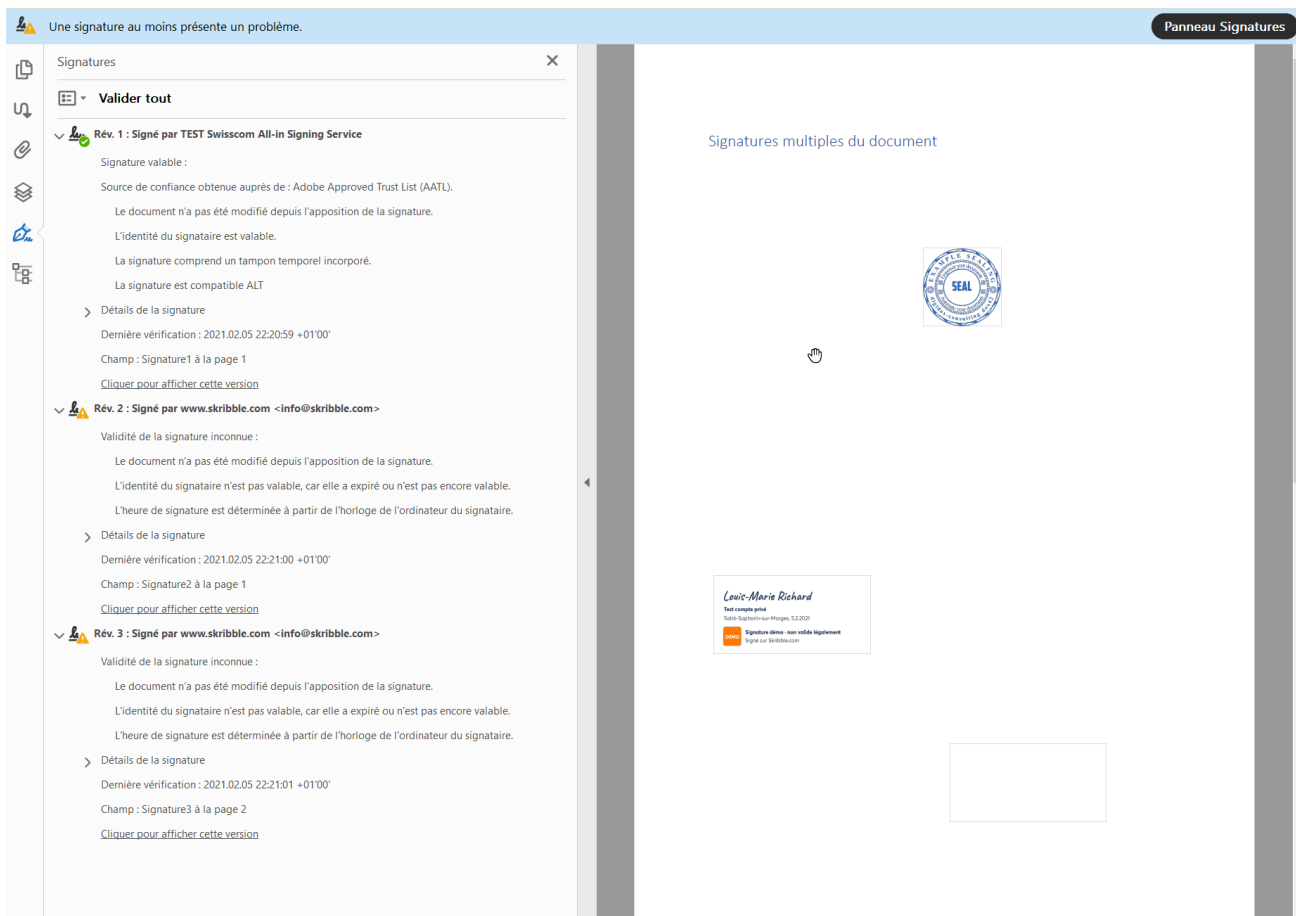
- The document is send to Skribble and when sealed, the sealed document url is given back in the result
- In the same timeframe, the sealed document is send to Skribble and as it is signed per each signer, the `callbackUpdate` and `callbackSuccess` are used to manage the document lifecycle. When succeeded, the whole signed document can be retrieved based on the information available in the callback

The result is per as follow :



The seal and the signature places are visible through a thin line rectangle. When a signature is missing, the rectangle is empty.

The signatures can be controlled through a Signature validator or directly in Adobe Acrobat reader :



## Support

For more Information about Skribble, please visit: [www.skribble.com](http://www.skribble.com)

Please also see the dox42 Server Documentation as well.

Should you have any questions, please do not hesitate to contact [contact@digidox-consulting.ch](mailto:contact@digidox-consulting.ch)

# Good luck with your new dox42 server capability !