



Documentation for Remote signature

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Remote signature

The Remote Signature is a web application that allows to send via mail and sign an stored in OpenKM PDF document to users.

It's compliant for desktop devices as mobiles ones.

Compatibility table

EDX	OpenKM	Status
v1.2	v7.1.33 and upper	Active
v.1.1	v7.1.33	Deprecated.
v1.0	v7.1.32	Deprecated.

Installation

Steps to install and configure the Remote Signature application in OpenKM v7.1:

- Stop Tomcat
- Download the application from OpenKM download center
- This application need to share the database with OpenKM, so you don't need to create a new one
- Copy the **remote-signature.properties** file in the tomcat and modify the configuration parameters



You must have the [mail account](#) configured

```
# Logging config
logging.file=${catalina.home}/logs/remote-signature.log
logging.level.org.springframework.security=INFO
logging.level.org.hibernate.sql = INFO
logging.level.com.openkm=INFO

#Base URL
base.url=http://localhost:8080/remote-signature

# OpenKM
openkm.url.preview=http://localhost:8080/openkm
openkm.url=http://localhost:8080/openkm

# OpenKM anonymous user
openkm.anonymous.user=okmAdmin
openkm.anonymous.password=admin

# OpenKM admin user
openkm.admin.user=okmAdmin
openkm.admin.password=admin

# Language
languages=es-ES#Español, en-GB#English
default.language=en-GB

# Default cron trigger ( by default each 15 minutes )
cron.expression=0 0/15 * * * *
```

- Start Tomcat
- Log into OpenKM
- Go to **Administration > Utilities > Database query** and execute these SQL sentences to create some needed configuration properties:

```
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.subject.es-ES', 'st
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.subject.en-GB', 'st
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.body.en-GB', 'html'
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.body.es-ES', 'html'
```

- Set the configuration properties according to it's usage:

- **rs.subject.es-ES**: The subject mail message.
 - **rs.subject.en-GB**: The subject mail message.
 - **rs.body.es-ES**: The body mail message.
 - **rs.body.en-GB**: The body mail message.
- Once the application is configured you can log to <http://server.ip:8080/remote-signature> with the default administrator or with a user with the role **ROLE_REMOTE_SIGNATURE**

Register configuration parameters

Parameter	Description
rs.subject.es-ES	Mail Subject message sent to sign in Spanish
rs.subject.en-GB	Mail Subject message sent to sign in English
rs.body.es-ES	Mail Body message sent to sign in Spanish
rs.body.en-GB	Mail Body message sent to sign in English
rs.subject-signed.es-ES	Mail Subject message sent when a document has been signed in Spanish
rs.subject-signed.en-GB	Mail Subject message sent when a document has been signed in English
rs.body-signed.es-ES	Mail Body message sent when a document has been signed in Spanish
rs.body-signed.en-GB	Mail Body message sent when a document has been signed in English

Go to **Administration > Utilities > Database query**. At the bottom right choose the option **JDBC**. Copy the **SQL script** and finally click at bottom right the button **execute**.

```
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.subject.es-ES', 'st
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.subject.en-GB', 'st
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.body.en-GB', 'html'
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.body.es-ES', 'html'
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.subject-signed.es-E
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.body-signed.es-ES',
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.subject-signed.en-G
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.body-signed.en-GB',
```

Configuration parameters that can be used in the body

These are the following [notification parameters](#) that can be used in the body message:

Parameter	Description
<code>\${docURL}</code>	The link of the document to be signed
<code>\${docName}</code>	The name of the document to be signed

Create role `ROLE_REMOTE_SIGNATURE`

Go to **Administration > Roles > New Role**. At the id parameter set `ROLE_REMOTE_SIGNATURE` and set the Active checkbox at true.



You must assign this new role to the user that needs to access to the Remote Signature administration.

Add traductions

Go to **Administration > Utilities > Database query**. At the bottom right choose the option **JDBC**. Copy the **SQL script** and finally click at bottom right the button **execute**.

```

DELETE FROM OKM_TRANSLATION WHERE TR_LANGUAGE='en-GB' and TR_MODULE='rs';
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
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INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '

```

```

DELETE FROM OKM_TRANSLATION WHERE TR_LANGUAGE='es-ES' and TR_MODULE='rs';
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '

```

```
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '1', '1', '1')
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '1', '1', '1')
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '1', '1', '1')
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '1', '1', '1')
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '1', '1', '1')
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '1', '1', '1')
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '1', '1', '1')
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '1', '1', '1')
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '1', '1', '1')
INSERT INTO OKM_TRANSLATION (TR_MODULE, TR_KEY, TR_TEXT, TR_LANGUAGE) VALUES ('rs', '1', '1', '1')
```

Enable stamp extension

Ensure you have stamps extension enable, otherwise enable it. To enable extensions take a look at [Enable extensions](#)

- Create the image stamps which will be used to stamp the signature in the document. The id of these stamps will be the value for the options in **okp:remotesignature.location** parameter. Use the a **dummy.png** as image:
- This are some examples to configure stamp locations:
 - **NorthEast Location**
 - **Image:** dummy.png
 - **Expr. X:** PAGE_WIDTH
 - **Expr. Y:** PAGE_HEIGHT
 - **North Location**
 - **Image:** dummy.png
 - **Expr. X:** PAGE_CENTER - IMAGE_WIDTH / 2
 - **Expr. Y:** PAGE_HEIGHT
 - **NorthWest Location**
 - **Image:** dummy.png
 - **Expr. X:** 0
 - **Expr. Y:** PAGE_HEIGHT
 - **East Location**
 - **Image:** dummy.png
 - **Expr. X:** PAGE_WIDTH
 - **Expr. Y:** PAGE_MIDDLE - IMAGE_HEIGHT / 2
 - **Center Location**
 - **Image:** dummy.png
 - **Expr. X:** PAGE_CENTER - IMAGE_WIDTH / 2
 - **Expr. Y:** PAGE_MIDDLE - IMAGE_HEIGHT / 2
 - **West Location**
 - **Image:** dummy.png
 - **Expr. X:** 0

- **Expr. Y:** PAGE_MIDDLE - IMAGE_HEIGHT / 2
- **SouthEast Location**
 - **Image:** dummy.png
 - **Expr. X:** PAGE_WIDTH
 - **Expr. Y:** 0
- **South Location**
 - **Image:** dummy.png
 - **Expr. X:** PAGE_CENTER - IMAGE_WIDTH / 2
 - **Expr. Y:** 0
- **SouthWest Location**
 - **Image:** dummy.png
 - **Expr. X:** 0
 - **Expr. Y:** 0

Configuration

Create this property group

Create a new metadata group and assign it to the PDF documents that need to be signed



After the property group has been created should enable in the profiles.



You must change the option select values from `okp:remotesignature.location` to the stamp ids before created

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE property-groups PUBLIC "-//OpenKM//DTD Property Groups 3.10//EN"
"http://www.openkm.com/dtd/property-groups-3.10.dtd">
<property-groups>
  <property-group label="Remote Signature" name="okg:remotesignature">
    <select label="Status" name="okp:remotesignature.status" type="simple" readonly="true">
      <option label="Pending to send" value="pendingToSend" selected="true"/>
      <option label="Pending to sign" value="pendingToSign"/>
      <option label="Signed" value="signed" />
    </select>
    <input label="Mail to notify" type="text" name="okp:remotesignature.mail">
      <validator type="req"/>
    </input>
    <select label="Sign Location" name="okp:remotesignature.location" type="simple">
      <option label="NorthWest" value="1"/>
      <option label="North" value="2"/>
      <option label="NorthEast" value="3" />
      <option label="West" value="4"/>
      <option label="Center" value="5"/>
      <option label="East" value="6" />
      <option label="SouthWest" value="7"/>
      <option label="South" value="8"/>
      <option label="SouthEast" value="9" />
    <validator type="req"/>
  </property-group>
</property-groups>
```



```
</select>
<select label="Language" name="okp:remotesignature.lang" type="simple">
  <option label="English" value="en-GB"/>
  <option label="Español" value="es-ES"/>
  <validator type="req"/>
</select>
<input label="Send Date" type="date" name="okp:remotesignature.sendDate" time:
<input label="Sign Date" type="date" name="okp:remotesignature.signDate" time:
<input label="Signature Device IP" type="text" name="okp:remotesignature.ip"
</property-group>
</property-groups>
```

User guide

Remote Signature is an application to start a process to sign a PDF document. When the Remote Signature metadata described below is added to a pdf document, the Remote Signature application will allow, manually or periodically, you to send an email notification with an URL to sign a document.

During this process the data will be saved into the document notes.

Migration guide

- [Migration from 1.0 to 1.1](#)
- [Migration from 1.1 to 1.2](#)

Changelog

v1.3

- In process

v1.2

- Released 2022-08-23
- Document Url to OpenKM has been added to the document signed mail notification
- PDF.js is now set the default previewer.

v1.1

- Released 2022-08-09
- Information notes are added to the document during the signature process
- Bugs:
 - Rescaled signature image to a max value

v1.0

- Released 2022-07-27
- Initial public release

Migration from 1.1 to 1.2

- Update the following configurations to get the document url to the sDocument signed mail notification:

```
UPDATE OKM_CONFIG SET CFG_VALUE = '<p>El documento <a href="${docURL}">${docName}</a>  
UPDATE OKM_CONFIG SET CFG_VALUE = '<p>The document <a href="${docURL}">${docName}</a>
```

- Stop Tomcat and replace the **remote-signature.war** archive
- Start the application

Migration from 1.0 to 1.1

- Stop Tomcat and replace the **remote-signature.war** archive
- Add new translations:
- English:

```
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.subject-signed.en-GB', 'subject-signed', 'en-GB'),
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.body-signed.en-GB', 'body-signed', 'en-GB'),
```

- Spanish

```
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.subject-signed.es-ES', 'subject-signed', 'es-ES'),
INSERT INTO OKM_CONFIG (CFG_KEY, CFG_TYPE, CFG_VALUE) VALUES ('rs.body-signed.es-ES', 'body-signed', 'es-ES'),
```