

INSTALLATION AND INTEGRATION GUIDE

September 2021





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Typographic conventions

Text file sample	Code example or file settings
Í	Note, information
Chapter, Guide	Reference to another guide or chapter
Example	Example, variable, code extract
Keyword, label	Keyword, application label, important item

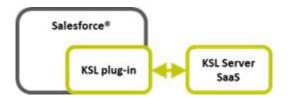
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1. About KSL for Salesforce®

KSL for Salesforce[®] is a plug-in that enables the Salesforce[®] solution to communicate effectively and securely with the KSL servers, to generate, edit, personalize, archive, and/or deliver documents and e-mails.



This plug-in provides several key functions, which are very interesting to secure document and e-mail generation and delivery:

- On-demand creation of personalized documents and e-mails and their delivery, fully integrated with Salesforce[®] objects
- Automatic production of KSL documents and e-mails, via the Salesforce® process builder
- Documents and e-mail management and archiving
- Document and e-mail template design based on shared components

(i) In this guide, the term "document" applies to all communications generated by KSL.

(*i*) The explanations in the guide often use the example of the Opportunity object, which is the Salesforce[®] object implemented by default for the plug-in. However, they apply to any standard Salesforce[®] object, such as Account, Contact, or any Custom Object

1.1. Document and e-mails generation and delivery

a. Template selection by the end-user

The document or e-mail generation starts with the selection of a template in the Document and e-mail templates view.

- This view is a KSL component that appears in Salesforce[®]
- It is configured for different Salesforce[®] object (for example, opportunity and campaign)
- It presents the list of available and authorized templates in a tree structure
- These access permissions depend on the user's profile (KSL role)

b. ... or push-button

The targeted document or e-mail template is directly associated with an action button available on the

Salesforce® object.

Authorization to access the targeted model remains dependent on the user's profile.

c. Personalized document generation thanks to Salesforce® data

Each document template is set to be generated on a predefined launch mode and document format.

- Transactional launch mode (on demand): the user directly obtains the final document, whatever its format, PDF most frequently, but also office formats such as DOCX, XLSX and PPTX
- Interactive launch mode: the document is presented to the user in html form, with some customizable content and potentially re-organizing. This launch mode also allows you to keep and version the document in PDF format at different steps of its customization.

(i) The KSL Interactive Document interface also has a PDF preview; during or at the end of the personalization phase, it allows the user to view and correct, if necessary, the document before its distribution.

d. Personalized e-mail bodies or e-mailings thanks to Salesforce® data

Each e-mail template is characterized

- By the *mail* launch mode
- By a return mode, which is defined by the *MailReturnMode* parameter equal to 1 for sending a single e-mail through Salesforce or 2 for creating an e-mailing

In the case of a single e-mail, the HTML body is personalized by the user and inserted automatically in a Salesforce[®] e-mail for a manual sending

In the case of an e-mailing, the HTML body of the e-mails is personalized by the user and KSL processes the transmission of the e-mails to an external e-mail send and track service (not provided by Naelan)

1.2. Automatic production of documents and e-mail KSL, via Process Builder

In the Salesforce[®] KSL Administration application, a dedicated configuration interface allows you to graphically define call classes of models of KSL documents, as well as their distribution method:

- Selecting one or more KSL document templates (regardless of format), associating it with the targeted Salesforce[®] object
- Selecting PDF annexes
- Selecting a KSL or Salesforce e-mail template or manually complementing the body of the e-mail
- Sending selected documents by e-mail and tracking the shipment.

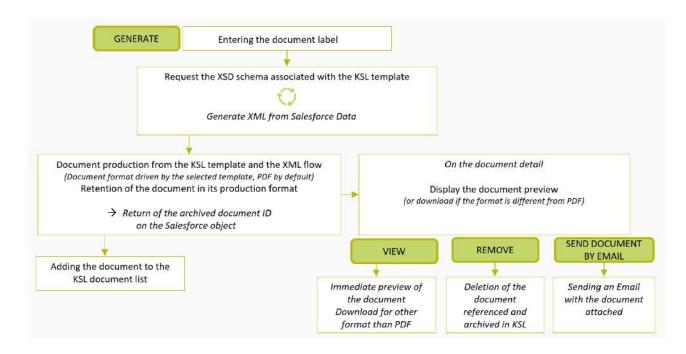
This KSL production and distribution process is directly called by the Salesforce #! {Corps1_Puce} [®] Process Builder to be associated with a change of state in a workflow or any other automated process. It is a task started asynchronously.

The process requires no user intervention. The latter may, however, observe the sending trace or consult the document or documents produced on the Salesforce[®] object concerned by the automation.

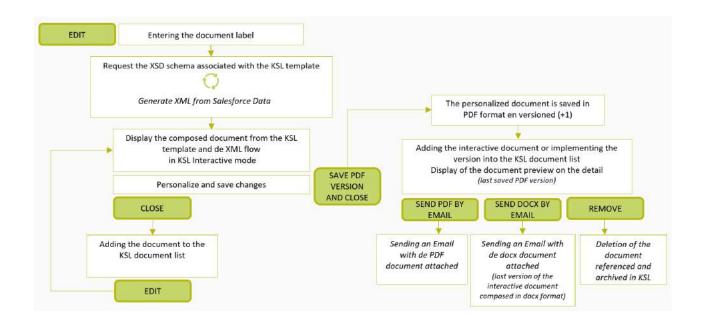
1.3. Management of documents and e-mails created by KSL

a. Personalized documents created by KSL

Document on demand - Process



Interactive document - Process



(i) Document storage is provided by the KSL solution: document are archived on KSL servers in a SaaS mode

b. Personalized e-mail bodies created by KSL

- The e-mail body of a single e-mail generated after an interactive personalization, is not archived by KSL
- This e-mail body is automatically inserted into a Salesforce[®] e-mail that is sent and saved in the activities of the object in Salesforce[®]
- It can be transferred to a new recipient

c. Personalized e-mailings created by KSL

- E-mailings are not accessible from Salesforce[®] after they are created and launched.
- An task is created in the Salesforce[®] object for this e-mailing as soon as it is transmitted to the KSL server
- The e-mailing is sent by the KSL server to an external e-mail send and track service asynchronously

d. Sending by e-mail a personalized PDF document created by KSL

- A personalized PDF document PDF can be send by e-mail
- In this case, a Salesforce[®] activity is created by KSL containing the message sent: the sender, the recipients, the subject and the message body written by the user and its sending time
- This activity is associated to the object used to create the document
- The attachments and especially the KSL PDF document are accessible in the Attachments view
- The documents in attachments are stored in Salesforce[®] and not in KSL: when sending a KSL document

by e-mail, the document is archived in KSL when it is created and stored in parallel as an attachment of the e-mail in Salesforce®

e. Salesforce® data allowing to personalize documents and e-mails

- These data come from different Salesforce[®] objects
- They are transmitted in XML format automatically and seamlessly
- Document and e-mail templates are based on an XSD schema corresponding to the XML data
- XSD schema and XML sample can be created by the Salesforce[®] administrator thanks to the KSL Administration application

1.4. Document and e-mail template design based on shared components

a. A centralized repository containing resources shared by templates

- This repository is centralized and collaborative
- It contains all the components necessary to document and e-mail templates: text zones, groups of text zones, images, PDF appendices and style sheets
- It contains all the document and e-mail templates
- Each component (resource) is shared by the templates
- The repository management cans be done from Salesforce[®] thanks to KSL Administration application or thanks to KSL Studio
- Each text content can be multi-brands, multilingual and / or multi-institution

b. Component and E-mail template design via KSL Administration

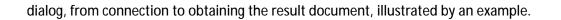
- For designing components, please refer to the KSL Office user guide
- For designing e-mail templates, please refer to the KSL Email designer user guide
- For designing document templates, refer to the information below

c. Document template design thanks to KSL Studio tool

- KSL Studio is a Windows specific design tool you have to install for creating your templates
- This tool also allows to manage the repository components
- This is a collaborative tool for creating simple or complex components, rules and document templates from an XSD schema in connection with the KSL centralized repository

1.5. Technical flow diagram

The diagram below shows the technical components of the KSL for Salesforce plug-in and the details of their



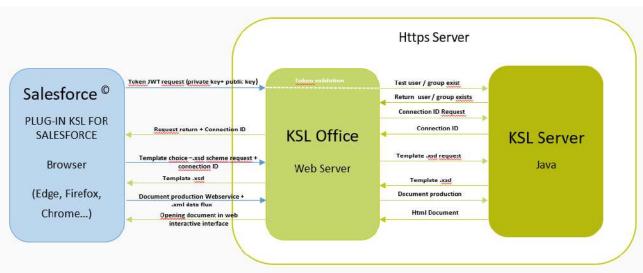


Illustration of the launch of an interactive KSL document

2. Installing KSL Suite from Salesforce® AppExchange©

2.1. Technical prerequisites when installing the KSL plug-in

To install and use KSL for Salesforce®, one of the following Salesforce edition is required:

- Enterprise Edition (EE)
- Unlimited Edition (UE)
- Developer Edition(DE)
- Performance Edition
- Professional Edition (with API access option)

Note that the Essential edition (EE) is not supported, because this version does not have API access.

Other prerequisites:

Salesforce [®] Products	Sales CloudService Cloud
KSL Products	KSL for Salesforce (plug-in)KSL Server
KSL Environment	 Remote site URL Office app access URL KSL project name Public Key (oAuth2 connection) Private Key (oAuth2 connection)

2.2. Installing from Salesforce® AppExchange®

KSL plug-in is available in AppExchange[©].

To install the KSL for Salesforce® plug-in:

- 1. Search the KSL for Salesforce plug-in in AppExchange $^{\odot}$
- 2. Click on Get It Now and follow the instructions to install KSL Suite for Salesforce $^{\mbox{\tiny C}}$
- 3. Specify where you want to install the KSL for ${\sf Salesforce}^{\circledast}$ plug-in:
- Click Install in production to install in a production environment.
- Click Install in sandbox to install in a Sandbox.
- 4. Read and accept the terms and conditions:
- Select I have read and agree to the terms and conditions.
- Click Confirm and Install.

As a best practice, and to avoid access issues for end users, you must install the package for the Admin profiles only, by selecting Install for Admins Only. It enables you to use the permission set delivered in the package to grant the rights to the appropriate users.

5. Then click Install:

• Click on the following button to choose the Install for Admins Only option:



- You must provide System Administrator credentials to install an application from AppExchange[®].
- After installing, you must configure the KSL Suite application, including integration settings for third-party applications.

1.0

3. Configuring KSL for Salesforce®

3.1. User configuration

No user has to be created in KSL: KSL for Salesforce® relies on the users already created in Salesforce®.

The first step in the configuration of KSL for Salesforce is to configure existing users by granting them rights on KSL For Salesforce[®] app.

- Grant KSL Suite role to give users rights to create, modify, generate or delete documents on KSL server.
- Select Setup to access to the user administration, then select ADMINISTRATION > Users > Users.

	Setup Home
⊡ ? ♥ ♣	Lightning Experience Transition Assistant
Setup	ADMINISTRATION
Setup for current, epp.	⇒ Übers
	Permission Sets
Service Setup	× Profiles
Developer Console	Public Groups
	Queues
Edit Page	Roles
	User Management Settings
	Ubers
	> Data

Click Edit to select a user.

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Edt	unused	unused	unused@unused.fr.testolugin
Eat Login	User. Admin	AUser	coa.n30xodwywhth.ds6imvdul/xp@naelan.com.testplugin
Edt Login	Venté Corine	cvente	verite@naelan.com.testolugin
			New User Reset Password(s) Add Multiple Users

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	View Object	
	View Validation Rules	
	Edit App	
	EditLayout	
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 Click on the arrow at the right of the screen and select Edit Layout. The user layout page is displayed (User Page Layouts).

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Search Layouts				

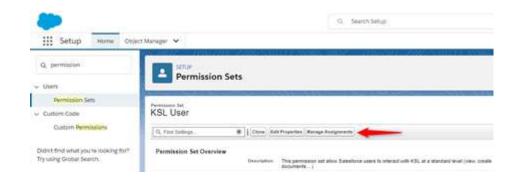
- Add the field KSL Role (KSL_Role__c) to your User Page Layout.
- Drag and drop the KSL Role available field under Additional information and Save.

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Additional information (P		- .	

 On the user's details, set the KSL Role based on the rights you want to give him; this role corresponds strictly to the group set in KSL Admin (not in KSL Administration).

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Single Sign On Information	
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Additional Information	
#31, Role	
Locale Settings	
Tana Zone	(GMT+00:00) Greenwich Mean Time (GMT)
Locale	French (France, Euro)
Language	English
Approver Settings	
Delegated Approver	92
Manager	99
Balance Approval Request Emails	Only #1 am an approval

- In Users > Permissions Sets, select KSL User, click Manage assignments, and assign it to each user that will use the KSL for Salesforce[®] features.
- Select KSL Admin, click Manage assignments and select each user that will user KSL for Salesforce[®].
 These users will have access to the resource repository and will be able to generate XSD/XML data files.



Note that KSL Admin permissions are an extension of KSL User. A user with this permission level must be a KSL User to access to the KSL plug-in features.

3.2. Configuring the communication between Salesforce® and KSL servers

a. Remote site

KSL for Salesforce[®] communicates with a KSL server; this server processes coming from Salesforce[®] requests and generates documents and e-mails. To allow this communication, you must declare a remote

site in Salesforce® with the remote server information.

In Setup, look for Remote Site Settings.

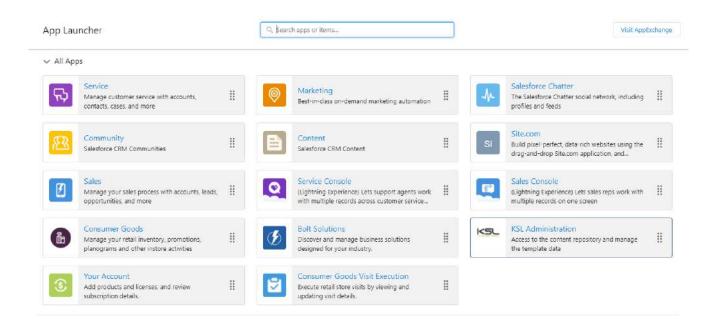
Create a New Remote Site:

- Remote Site Name: name of the remote site
- Namespace prefix: ksl
- Remote Site URL: (example: <u>https://hostname:XXX</u> with XXX the https port number)

Remote Site Edit		
iter the URL for the remote site. All s-cor	trols, JavaScript OnClick commands in custom buttons, Apex, and AJAX proxy calls can access this Web addre	ess from salesforce.com.
Remote Site Edit	Save B New Cancel	
Remote Site Name	KSLServer	
Remote Site URL	https://naelan.haxrofr.8443	
Disable Protocol Security		
Description		
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Active		

b. Connexion parameters

Select the application KSL Administration from the Salesforce® App Launcher menu.



Setup > Auth. Configuration

This tab allows to configure the communication between Salesforce® and KSL server :

	II 🔻 Q. Search Salesforce	*-	8	?	ŵ	Ļ	6
KSL Administration	Setup Content repository				1000		
Auth. Configuration XSD	Generator				1449,500		
	Information For security reasons, some informations are not visible.						
	* KSL Server endpoint						
	https://naelan.haxro.fr:8443/ksl_office8/ * KSL Project Name						
	PM_FOR_SALESFORCE Token - Audience field override						
	https://test.salesforce.com						
	*Token - Public Key						
	${\tt 3MVG9lcxCTdG2VbxxxxpFguzMWwxYprxTbY2.jTlfxxxx_jbykRZ{\tt g}}{\tt SMVG9lcxCTdG2VbxxxxpFguzMWwxYprxTbY2.jTlfxxxx_jbykRZ{\tt g}}{\tt g}{\tt g}{\tt g}{\tt g}{\tt g}{\tt g}{\tt g$						
	*Token - Private Key						
	Complete this field.						
	💾 Save						

- KSL Server endpoint: URL which allows to communicate with KSL Office application ; the URL must end with the reference of KSL Office application, example: https://host21.naelan.fr:8443/ksl_office/
- KSL Project Name: name of the KSL project which hosts templates and resources. This project will be present on the KSL remote server, (example: KSL_FINANCE)
- Token Audience field override: this field can be completed, if necessary, with the audience field defined in the KSL parameters, usually an URL (example: https://test.salesforce.com).
- Token Public Key: a couple "public/private key" is necessary for oAuth2 authentication. This field contains the same public key than the one configured on the remote KSL web server. This key is used by the KSL server to control that the Salesforce configuration is authorized.
- Token Private Key: a SHA256 256bytes private key which is used by the KSL remote server to decrypt the identification JWT token. This key is hidden after saving the settings and must be entered at each parameters update.

Additional informations are given on tools that can be used to generate public and private keys in the appendix of this document.

4. Produce on demand a KSL document from a Salesforce® object

KSL allows to produce and personalize documents and e-mails, on demand, from Salesforce objects.

These processes cover the following functions:

- Production of a document in all formats, for example PDF or docx, with immediate return of the document.
- Production of a personalized interactive document, with content to be interactively modified by the user. The finalized document produces a PDF document. In this case, a version management is applied for the PDF document.
- Creation with or without interactive personalization of a responsive e-mail body for immediate delivery.

Whatever the document format, integration is possible in two ways:

- Via an action button for quick access to a pre-targeted document model.
- Via a KSL custom object which displays a part of the library of document templates dedicated to the current Salesforce[®] object.

The installation of the package provides KSL custom objects directly applicable to the Salesforce[®] object Opportunity. This setting can be used as an example to add the documentary production objects to any Salesforce[®] object.

4.1. Associate a KSL Template Library with a Salesforce Object

In Setup > Object manager, click KSL Document object (ksl_Document__c), then click Fields and Relationships.

Just add a lookup relationship field in this object for each Salesforce object on which you want to add a list of KSL document templates.

The Opportunity field is already present because directly installed by the package.

If, for example, users need to access a list of templates from the Account object

- Click New
- Step1: On the choice of the type of field, tick Lookup Relationship > Next
- Step 2: On the selection of the related object, select Account > Next
- Step 3: Enter the label and the name of the field (KSLForAccount for example) > Next
- Step 4: select the field-level security profiles list proposed by default > Next
- Step 5: The KSL Document Layout which lists the KSL documents is already ticked in the reference fields for the presentation of the page> Next
- Step 6: Adding personalized associated lists the Account page layout is already checked; click on Save.

The KSL objects in the package are now associated with the Salesforce object; to finalize the configuration, position the KSL templates component on the object layout.

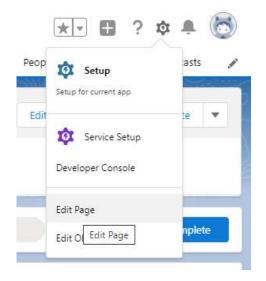
```
4.2. Integrate a library of KSL models
```

To generate a KSL Document from a Salesforce[®] object, configure the object layout to display the KSL For Salesforce[®] elements.

The component Document templates displays the templates available in the KSL Project configured in the KSL Administration application. The user can then generate a KSL document based on a selected template and its launching mode: e.g. PDF on demand generation or document interactive edition.

The following example gives an example of how to configure the component on the Opportunity object page layout. The process is the same for any standard or custom object in Salesforce.

 Go to the detail page of an Opportunity (Opportunities tab), click on the Setup icon and then click on Edit page.



From the Custom Managed list (on the left), drag and drop the lightning component KSL - List of templates where you want in the page.

← 🖬 Lightrée	ng App Buikler 📑 P	uges 🗸	Opportunity Record Page					? Help
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- In the option layout of the component (on the right), configure the following options:
 - Title: name of the component record. The entered value must be a Custom Label. The Custom Label ModelListTitle is the object title given to the component with its translations.
 - Root folder: It is possible to filter the classification tree of the KSL project where templates and resources are stored, by indicating the root node to display for the object. Your user must, of course, have the necessary permissions on the node and its potential branches. By default, this parameter is set to OPPORTUNITY for the Opportunity object and CAMPAIGN for the Campaign object.
 - Is tree deployed by default? check this box if the classification map must be deployed by default on this object; this choice depends on the number of templates available and their organization.
 - Tree max height (optional): maximum height of the component on the record page (pixel, percentage,...)

+ Follow Edit New Case New Note -		
	Title (Custom Label)	6
	ModelListTitle	
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Closed V Mark Stage as Complete	OPPORTUNITY	
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OPPORTUNITY		
V DOCUMENTS - DOCX		
DOCX Commercial Response	✓ Set Component Visibility	
DOCUMENTS - INTERACTIVE	Set component visibility	
Commercial Response	Filters	
DOCUMENTS - PDF	+ Add Filter	
Insurance certificate	TAddrifter	
PDF Commercial Response		
E-MAIL RESPONSES		
Contract confirmation E-mail		
Contract termination E-mail		
Training confirmation E-mail		
Training confirmation E-mail		
EMAILING		

Set Component Visibility conditions if the document templates window is displayed or hidden. With a filter on a field of the opportunity for example: itis for example possible to insert the KSL - List of templates component several times on the page, with a different root folder and condition for each component; this allows to provide the right document templates for the current functional context.

(i) The notion of visibility allows for example to display a different list of models for two types of cases. To do it, create as many List of templates components as request types and a suitable filter for each: for example, a component for post-sales cases and a component for pre-sales cases.

Save than activate (Activation) the lightning page before closing the window.

The list of KSL documents linked to the current object is already available on the page, under Related tab.

4.3. Integrate an action button (push-button)

Available and actionable in the Salesforce[®] object, it is the ideal shortcut to obtain the selected document or e-mail in one click. This setting is adapted to document and e-mail templates that are called frequently.

a. In the setup, create a new button

Dotails	Buttons, Links, and	Actions			Q. Quick Find	New Action	New Button or Li
ields & Relationships	LABEL	NAME	DESCRIPTION	TYPE	CONTENT SOURCE	OVERRIDI	DEN
age Layouts	Add to Campaign	AddInfluence			Standard page		
ightning Record Pages	12000				227.0274.7770		
auttons, Links, and Actions	Clone	Clone			Standard page		
Compact Layouts	Clone with Related	DeepClone			Standard page		
ield Sets	Commercial Response	Commercial_Response		Detail Page Button	URL		
Object Limits	Delete	Delete			Standard page		
ecord Types	Delete	Delete			standard page		
elated Lookup Filters	Edit	Edit			Standard page		
earch Layouts	List	List			Standard page		
earch Layouts for Salesforce Jacsic	New	New			Standard page		
nggers falidation Rules	Opportunities Tab	Tab			Standard page		
anuquun kures	Start Conversation	StartOutboundConversation			Standard page		

Object Manager > *my object* > Buttons, Links and Actions > New Button or Link.

ustom Button or Link Edit	Save Quick Save	Proview Cancel		
Label	Commercial Response			Quick Tips
Name	Commercial_Response			Getting Started Sample Buttons & Lie
Description				Operators & Function
Oksplay Type	O Detail Page Link <u>View example</u>			
	Detail Page Button <u>View example</u> List Button <u>View cxample</u>			
Behavior	<u> </u>	View Behavior Op		
Content Source	Display in new window URL	View Behavior Op	cuons	
	UNC -			
elect Field Type	Insert Field		Functions	
Opportunity		V Insert Operator	- All Function Categories	
lightning/cmp/kslModelPr !Opportunity.Id}ac_service	cessorAura?crecordId= nne-BP_SolutionAndServices_Portra	itsc editMode-generatesc	ABS A	
mmercial Offer (!Opportuni	(.Name)		AND	
			BEGINS BLANKVALUE	
			CASE -	
			Insert Selected Function	

Display type: Button to the Detail Page Behavior: Display in a new window Content source: URL

In the multiline field, use the following formula:

/lightning/cmp/ksl__ModelProcessorAura?c__recordId={!Opportunity.Id}&c_serviceName=BP_SolutionAndService s_Portrait&c_editMode=generate&c__name=Commercial Offer {!Opportunity.Name}

And update the elements:

- c__recordId: identifier of the target Salesforce[®] object, helping you with insert fields utility.
- c__serviceName: name of the KSL document or e-mail template (= name of the KSL service),
- c__editMode: launch mode: generate for a PDF on demand, edit to get an interactive document, Email to get a responsive e-mail. This mode must be authorized for the selected KSL service
- c__name: name of the generated document (spaces and accents allowed); it can be changed from the list of fields.
- c_emailMode: not mandatory. This parameter is only associated with email mode. Select 1 to specify that a single personalized e-mail (e-mail body) will be created and send by Salesforce, or 2 for an e-mail sent by KSL server.

i The documentary or e-mail production service called (c_modelName) must be consistent with its production mode (c_mode), and the advanced production mode for e-mails (c_emailMode).

To ensure proper process, this setting and the one defined in the KSL project must be identical. An e-mailing service (multiple e-mails) cannot, in any case, be associated with the emailMode 1 (single e-mail) for example.

b. Integrate the button into the Salesforce® object

Object Manager > <i>my object</i> > Page Layout	

Setup Hame Ob		Search Setup	* 🖬 🗄	@?⊅♣(
	ject Manager 😔	North Construction Construction	INSTRUMENTALISMUS INC. INSTRUME	5011117-XXXIII
Details	Page Layouts 1 Hems, Sorted by Page Layout Name		Q, Quick Find New	Page Layout Assignme
Fields & Relationships	PAGE LAYOUT NAME	CREATED BY	MODIFIED BY	
Page Layouts	Présentation de l'opportunité	John MARTINS, 11/27/2019, 11/29 AM	John MARTINS, 8/31/2021, 6:05 PM	
ightning Record Pages				
Suttons, Links, and Actions				
Compact Layouts				
Reld Sets				
Object Limits				
Record Types				
Related Lookup Filters				
iearch Layouts				
earch Layouts for alesforce Classic				
friggers				

Add the button to the selected page layout.

Drag & drop the new button on the object Detail, in the Custom Buttons part, after Standard Buttons.

resentation de l'opportui							Mini Page Layout Mini Console View Video Turional Help for this P
iave * Quick Save Previe	w As Cancel	indo 🖪 Redo 👔 🗐	Layout Properties				
ields	Quick Field Duton I	Name					
lutione	Change Owner	Commercial Response	Sharing				
uick Actions oblie & Lightning Actions	Change Record Type	Delata	Start Conversation				
oble & Lightning Actions (panded Lockups	Gluoe	Edit	Submit for Approval				
elated Lista epoint Chiarte	Clone with Related	Principle View					
leportunity Sample							
Highlights Panel							
Costomize the highlights pa	me) for this page layout						
Quick Actions in the S	ialesforce Classic Pul	blisher 1					
Post File	New Task Lo	og a Call New	Case New Note	New Event Thanks Link	Poll Guestion	Email	
Salesforce Mobile and	Lightning Experience	e Actions					
Actions in this section are pr	enatined by Salesforce, Vo.	e can override the grad	efnec actions to set a customic	at of actions on Lighthing Expansions and mobile a	op oppen that use this layout. If you	supromize the actions in the Quick A	Sons in the Salesforce Classic Publisher section, and have saved the
layout, then this vection inhe							
Opportunity Detail			Flandert Suff			Content Deliver	
			Edit Delete	Ione Change Dwiter Change Record Type Shi	ring Printable View Start Convers	affice Q Guidan Button Co	nmercial Response
Opportunity Internetion	(fixeder visible on edit only)	1					
	Sample Test				* Ctose Date 94/06/2026		
* Opportunity Nema					🗰 🌒 Blags Sample Text		
# Account Narce					Probability (%) 506 %		
Type	Sample Text				Ampant 123.45 €		

The new button appears in the quick actions list, on the Salesforce® object.

To add this button in the buttons directly displayed on the object page, personalize the list of Salesforce mobile and Lightning Experience Actions by moving the button to the desired position, at the top of the list.

For example, a button *Commercial proposition* can be set is in the third position of the visible buttons of the object interface, which allows it to be immediately visible on the object, without open the list.

4.4. Other parameters: retention of transactional documents

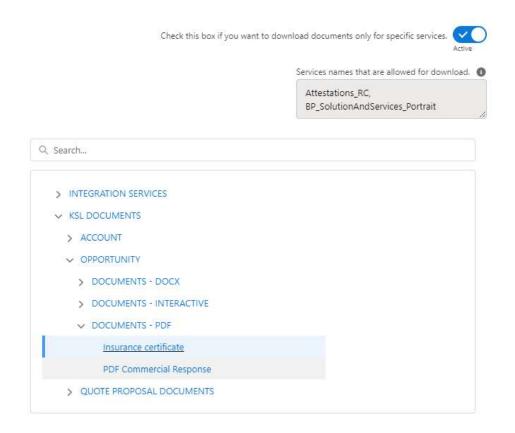
KSL Administration > Setup > Settings

Except the first parameter which allows detailed traceability of errors on on-demand documents, this set of parameters is mainly used to force the storage of KSL documents in Salesforce files.

These parameters activate filters (based for example on document template names) which allow to select the documents which will be stored in Salesforce files. The objective of this copy of documents in Salesforce is to make them accessible by external applications (for example an application that allows to send the document in a digital signature process).

XSD Generator	XSD Validator	Auth. Configuration	Settings	Execution Histories Settings
				for debugging purpose. You could be asked to turn this settings on by KSL Team in order to help them debug- the issue you are facing with.
				Check this box to download every archived document that will be manually generated.
				Check this bax to download every interactive document that will be manually edited.
				Check this box if you want to download documents only for specific services.

- Option 1 / debugging: it can be activated by an administrator in case of a on demand document generation error. This option allows to get more details that the generic error message sent to the user. This option stores the detailed error in the execution traces to facilitate its correction.
- Option 2 / download every transactional documents: this option allows to store all on demand documents (non-interactive) in Salesforce, regardless of the format.
- Option 3 / download every interactive documents: this option allows to store all the PDF documents associated with interactive documents.
- Option 4 / download only the documents generated by referenced templates: this option allows to store in Salesforce (Files), the PDF documents generated by some specific types of documents (for example a contract for a further document signature); in this case, select one or more document templates from the template tree.



5. Produce a KSL document from a Salesforce® automated process

A KSL process configuration allows to create a automated process that generates a document and if necessary, sends it by e-mail. This configuration can be handled in a the Salesforce® Process Builder application.

Note: a Salesforce process, and consequently a KSL process, can be triggered from 3 different events:

- on a record change, that is, when a new Salesforce object is created or updated.
- on an event, i.e. when the object receives an event message.
- on an invocation when something other than the process invokes it.

A KSL process configuration is implemented in the KSL Administration application available in Salesforce[®]. KSL Administration provides the administrator a step-by-step set-up; the objective is to create a KSL process (a class) that can be directly called on a Process Builder action.

5.1. Configure a KSL process

a. Activate the functionality

In KSL Administration application, select Setup > Execution Histories Settings.

D Generator	XSD Validator	Auth. Configuration	Settings	Execution Histories Settings
			Is A	utomatic Process feature activated ? Includes execution of configurations and cleaning of histories.
			" He	ow many clays before cleaning histories.
			3	0
			Sen	rices List : root folder 🛛 🕥
			K	SE DOCUMENTS

Position the button Is Automatic Process feature activated on Active:

- to activate the KSL process automation,
- as well as to delete the trace history.

Specify the number of days to keep execution traces with the How many days before cleaning A.P.H. field.

Specify the root of the classification tree under which the templates associated with the attachments are available (for automatic email sending). By default, the configuration screen displays all the available templates, excluding the KSL e-mail body templates.

Select Save.

b. Configure a KSL process

In KSL Administration application, select Automatic Process Configurations tab.

The tab lists the KSL process configurations already created, to allow a quick access and modification of these processes.

This tab also allows to create a new KSL process configuration and to configure it step by step. A new KSL configuration consists in a chain of actions, from the generation of the document to its distribution by e-mail as an attachment.

- New allows to create a new KSL process configuration.
- Import allows to import new configurations or modify existing configurations from a .csv file (see the Data Inspector tool available in Chrome on the right arrow, for export).

To edit an existing KSL process configuration, click on the Name of the configuration to access to its details:

- The Details tab gives the main identifiers of the configuration: Name, Related Object Name and KSL API name.
- The Related tab presents the lists of KSL Automatic Process Histories which are associated with the KSL process configuration.
- The Activity view contains the different changes operated on the KSL configuration. All the fields are logged, except the Owner. This view also allows the user to send e-mails or save to-do items.

Click Modify to access to the different settings of the configuration.

Create a new process configuration

Step 1: Basic Information

This step allows to define the generic information of the KSL configuration.

Basic Information	Documents Generation	Email Sending	Error Management
Basic Information			
*Name			
NewProposal_Email			
*Related Object Name			
Opportunity			•
Cancel			Next

- Enter the Name of the process: only alphanumeric characters can be used; spaces are not allowed; "_" is authorized.
- Select the name of the KSL object linked to the Salesforce[®] object in the KSL object API name menu list.
- Select the object name which will trigger the processes of the KSL configuration (e.g. the generation of a document), in the Related Object Name menu list.

The Next button allows to validate this step and go to the next one.

Step 2: Document Generation

This step allows to define the necessary settings for the KSL configuration to generate one or more documents. These documents will potentially be attached to the e-mail configured on the next page.

cuments Generation		Download Documents 📿
Document Name	*Service Name 🐠	
CommercialProposal {{{Opportunity.Name}}}	PDF Commercial Response	ŵ
Q Search		
V KSL DOCUMENTS		
> ACCOUNT		
V OPPORTUNITY		
> DOCUMENTS - DOCX		
DOCUMENTS - PDF		
Insurance certificate		
PDF Commercial Response		
> QUOTE PROPOSAL DOCUMENTS		

Enter a name for the document that will be generated; this name can be made of text and merge fields. The possible fields are proposed in the Merge Fields area at the right of the window: to add a merge field, select the object then a field in the list and copy/paste the variable name in the Document Name field.

For example, click on the Opportunity, then select its Name field: the {{(Opportunity.Name)}} field name is displayed at the bottom of the Merge Fields area and can be copied/pasted.

Recipient	Select Merge Field	
Sender	Q Search Opportunity merge fields	
Organization		
Opportunity	Fiscal Year	
	Forecast Category	
	Forecast Category	
	O Has Line Item	
	Last Activity	
	Last Modified By ID	
	Last Modified Date	
	C Lead Source	
	Name	
	Next Step	
	Opportunity ID	
	Opportunity Type	

In the classification tree under the Template Name field, select the KSL template which will be used to produce the document.

Select a new model from the classification map to generate a new document on the same procedure.

One line is created for each selected document template. It is possible to delete an unwanted document by clicking on the trash icon.

Activate the Download Document button so that the document is available in the list of files associated to the KSL document object: with this option, a document generated automatically by the KSL process for a client will be available for the Salesforce user in the file list of the object and also from the Files library.

Commerciale_PLUG IN KSL FOR SALESFOR	E	NC 17 DEV/ 50000000 - 5000 - 500	Envoyer par e-mail Affecter	RD ^e Skporimer
Associé Détails		Copensional	Fichiers (1)	1
OffieCommerciale_PLUG IN KSL FOR SALESFORCE	1	PLUG IN KSLEOR SALESPORCE	Officient Transition (Jacobian Control of the Contr	
Document (5) 152A9082-FD1A5586-A5640172-04597374		Document KSLowent Ontwoommendake_PLUG IN KSL FOR SALESTORICE	Afficter tool	
Nomero de version 1				
Citiz pur		Dorwlere modification par		
Corine Varite: 11/05/2020 17:27		Conine Vérité, 11/05/2020 17:27		

i Notes:

- This Download Document option must be active when the document generation is followed by an e-mail delivery; in this context, the Send Document By Email button of the next step is also active, and the document is transmitted as an e-mail attachment.
- If the Download Document button is active and the Send Document By Email is not active, the document will be available in the list for a further sending. And a user will be able to send this document as attachment through a Salesforce e-mail with other documents all the documents available in Files.
- If the Download Document button is not active, the document will not be available in the list of files, but it will always be present on the object from which it has been generated via a link to KSL servers.

The Next button allows to validate this step and go to the next one.

Step 3: Document Sending

This step allows to define the settings necessary to send a generated a document by e-mail.

$\langle \cdot \rangle$	Email Sending Error Management
Email Sending	Send Email (with files if applicable)
From 0	Email Template
User sending the email	Contract confirmation E-mail (KSL - /KSL DOCUMENTS/OPPORTUNITY/E-MAIL RES
To O	Subject 🚯
{{{Opportunity.Contactid}}} ×	Our new proposal - {{{Opportunity.Name}}}
Cc 0	
Bcc 🕥	
Reply To	
Ø	
Cancel Previous	Next

Activate the Send Document by E-mail button so that the KSL process configuration sends the e-mail.

Select the recipient addresses required in the To, Cc and Bcc fields.

These addresses can be personalized using some addresses of the Salesforce directory, some merge fields or e-mail addresses.

- Enter an email address,
- or reference an already existing contact (in this case his thumbnail is displayed),
- or reference the owner of the object (e.g. the opportunity owner) or a client contact using merge fields.

Ø	
Attach	file
Cancel	Previous

It is possible to attach one or more external document (file attachments) to the -mail. These documents can be selected from those available in the Salesforce Files or download from the local user's file system.

1 Upload Files	Q. Search Files
Owned by Me	Business Proposal ACME ID Jul 7, 2020 + 3.0148 - ndf
Shared with Me Recent	Business Proposal ACME ID Commercial Offer PLUG IN KSL DOCUMENTS Jul 16, 2020 + 3.0MB + pdf
	Commercial Offer PLUG IN KSL DOCUMENTS Jul 16, 2020 · 3.0MB · pdf
	Commercial Response PDF Jul 21, 2021 · 1.4MB · pdf
	CommercialProposal KSL For Salesforce PI Jun 25, 2021 · 1.4MB · pdf
	May 28, 2020 + 6KB + png
	May 28, 2020 · 6KB · png
	KslforSF_Logo2018_green May 28, 2020 + 17KB + png
	Plug-In KFSF Proposal

Select an Email Template from:

- the list of standard Salesforce[®] emails,
- the personalized emails created with KSL (in the same list)

1 The name of the personalized e-mail template can also be specified by the concatenation of text and Salesforce merge fields.

Select the Subject of the email. Like the name of the template, this field can also be changed and personalized with text and merge fields.

The Next button allows to validate this step and go to the next one.

(i) A KSL process configuration can generate a document, link it to an object, and yet sent an e-mail without any document attachment.

Step 4: Error Management

This step allows to define the settings for managing process errors.

			Create Auto	omatic Process Co	onfiguration	
C	~	<u>}</u>	~	\rightarrow	~	Error Management
Error Man	agement					
List of additional	recipients 🔕					
c.ever@naela	an.com					
Cancel	Previous					Save

In the List of additional recipients field, select some contact addresses (e-mail or contact) to which error messages will be sent, in addition to the object owner address. Usually, this field is used to send error messages to administrators.

Click Save to validate the complete configuration of the KSL process, which can now be used in Process Builder.

5.2. Execute the KSL process from the Salesforce® Process Builder

Access to the Setup of the Salesforce organization then select: Process Automation > Process Builder

The objective is to trigger an email sending when the amount of the opportunity is modified, with the updated commercial offer in attachment.

Process Name*	API Name* 🚯
QuotationUpdate AutomaticEmail	QuotationUpdate_AutomaticEmail
Description Email Commercial response on quotation upd	ate
The process starts when *	
A record changes	×
n pastanta manana na pastan di Aldica i 🖬 Prado	

- Enter the name of the process -> the name of the API is automatic.
- Enter the description.
- The process starts when... A record changes

+ + Add Object ↓ + Add Criteria FALSE TRUE → IMMEDIATE ACTIONS + Add Action TIME LAPSE → SCHEDULED ACTIONS + Add Action	+ Add Criteria TRUE + IMMEDIATE ACTIONS IMMEDIATE ACTIONS + Add Action \bigcirc Set Schedule	START			
+ Add Criteria TRUE	+ Add Criteria TRUE + IMMEDIATE ACTIONS IMMEDIATE ACTIONS + Add Action \bigcirc Set Schedule				
+ Add Action O. Set Schedule	+ Add Action O. Set Schedulo				
+ Add Action O Set Schedule	+ Add Action O. Set Schedule	+			
+ Add Action O Set Schedule	+ Add Action O. Set Schedulo				
			The set of the second sec	TIME	
FALSE + Add Action	FALSE + Add Action	+ Add Criteria TRUE →		TIME LAPSE	
		+ Add Criteria TRUE →			

Add Object

1						d Specify When to Start the		G
+ Add Object					Object* 🚯			
- Add Object					Opportunity	*		
1					Start the process*			
					 only when a record 	is created		
+ An Orace TRUE	IMMEDIATE ACTIONS	TIME LAPSE	SCHEDULED ACTIONS	I stor	when a record is created as a second seco	sated or edited		
					V Advanced			
					Recursion - Allow proces	ss to evaluate a record multiple tim	es in a single save operation? 👩	
FALSE					Yes			
STOP								
(alor								

- Select the object.
- Indicate if the action is triggered on creation or on creation and update.

(i) If the opportunity already includes an active automation, it will be reported on this interface.

Add Criteria

START	Define Criteria for this Action Group
Opportunity	Criteria Name* Quotation update
+ Add Criteria TRUE	Criteria for Executing Actions* Conditions are met Formula evaluates to true No criteria-just execute the actions! Set Conditions
FALSE STOP	Field* Operator* Type* Value* 1 [Opportunity], Q Is changed * Boolean * True
	Add Row Conditions * All of the conditions are met (AND) Any of the conditions are met (OR) Customize the logic Advanced

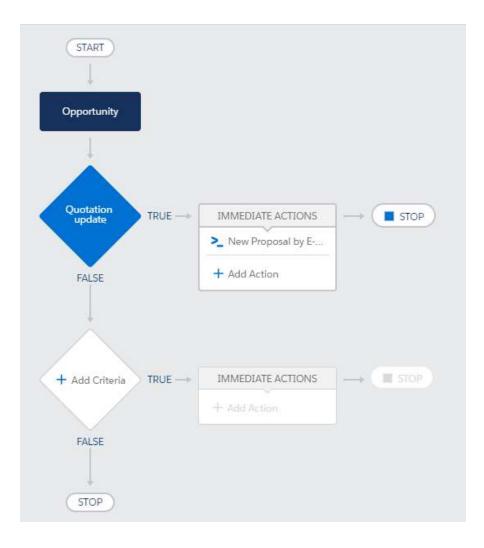
Enter:

- the name of the criterion,
- performance criteria,
- the performance condition(s)

Add Action

START		Select and Define Action			0
Opportunity		Action Type*			
-		Apex Action Name*			
		New Proposal by E-mail			
	IEDIATE ACTIONS	Apex Class* 🚺			
PALSE		KSL - Automatic Process Initiali	*		
		Set Apex Variables			
1		Field*	Type*	Value*	
		Record ID	Field Reference*	[Opportunity].]d	Q
+ Add Criteria TRUE> TMM	EDIATE ACTIONS	Configuration Name	String •	NewProposal_Email	
+4					
FALSE					
-					
STOP					

- Action type : Apex.
- Apex Class : KSL Automatic Process Initializer
- Set Apex variables :
- Record ID : identifier of the current object. Use the help provided in the field (ex : [Opportunity.Id])
- Configuration Name : KSL process name



Activate the process via the blue "Activation" button.

When the process has been activated, it cannot be changed; it is mandatory to create a new non-active version of this process for modification.

The Salesforce[®] process can be deleted from the list of processes, by developing the process, then delete on the targeted version.

5.3. Control the execution log

In the KSL Administration application, select Automatic Process Histories.

KSL Administration Set	p Content repositor	y Automatic Process	Configurat	 Automatic Process (fistories 🗸			17 555-05 100022				
Automatic Process Histories Recently Viewed V									New	Import	Chang	e Owner
Service and the service of the servi								Q. Search this Est .		Π·	a 1	a le
l Rem • Updated a few seconds ago											2.1.5	
Litern + Updated a flew seconds ago Number	✓ Configurati	on .	~ Record		~	KSI, Document	 KSL Version 	✓ Message	✓ Last Modifie		2.1.5	

- The last histories appear at first
- The message column is populated in case of error

This list includes:

- the trace of KSL processes launched automatically, in error or not,
- potentially the trace of documents produced by KSL from Salesforce objects when in error, at the condition that this log is activated in the main parameters See the next chapter

Each information is a link that refers to the details of the object: process, configuration, Salesforce object, KSL document and Version of the KSL document.

In Sales > Reports > All Reports

- Click KSL.
- Click on All Failed Automatic Process Histories.

E	Report: Automatic Process Histories All Failed Automatic Proc	s cess Histories						
тс 1	al Records							
	Automatic Process History: Number	Configuration	Record	KSL Document	K5L Version	Message	Cause	Ŧ
1	APH-0000000001	NewProposal_Email	00651000002awb1QAA			An error occurred during the docurrient generation	No such column Tradectyle' on entity 'Account'. If you are atter custom field, be sure to append the 'c' after the custom field reference your WSDL or the describe call for the appropriate n	name: Please

6. Pre-configure the fields of the e-mail sending window

6.1. Objective

From a Salesforce object, the user has the option:

- to send a responsive KSL e-mail whose content has been personalized,
- to send a document generated by KSL as an e-mail attachment.

For each of these options, an e-mail sending window opens allowing to personalize the delivery options.

	E-mail
*De	John MARTINS <pbosalesforce@naelan.com></pbosalesforce@naelan.com>
А	
Cc	
Cci	
Obje	AAA
	If this email cannot be displayed, please consult the wet
	Dear Mrs. Dewailly,
	I received your wish to stop the contract and I can cor your request. Your existing contract will finish at its ende
	We hope you enjoyed our services.

The objective of the e-mail configuration is to preset the different parameters of the e-mail window with data that can be personalized by Salesforce fields, in order for users to save time and secure the input.

6.2. E-mail configuration

From the applications list, select KSL Administration > Email Configurations

Click New to create a configuration.

	Edit Op	pportunity		Merge Fields
Related Object Name		From O	Recipient	Select Merge Field
Opportunity		User sending the email	🕳 Sender	Q. Search Recipient morge fields
lead-Only fields 🔞		To 💿	Organization	
	Selected	(()Opportunity Contactid()) ×	Opportunity	 Assistant's Name
то	From	α 0		Asst. Phone
Cc 4		Rec. 💿		O Birthdate
Reply to				Business Fax
Subject		Reply To: 💿		O Business Phone
		Subject ①		Contact Description
Cancel		E1103 diagram	Save	Contact ID
-server				Created By ID
				Created Date
				🔘 Data.com Key

An e-mail configuration can be defined for each Salesforce object: opportunity, account, contact, case...

Select the object linked to the e-mail sending window: the merge fields selector (on the right) will adapt to the object type.

Specify which fields are read-only; these fields will be presented to the user but cannot be modified. It is thus possible to block the sender's address and the reply address, in particular if there are generic addresses for company services (support@..., commercial@...).

From: sender's address; by default, the address of the logged-in user (user who sends the e-mail), but it is possible to preset a more generic address if tis address is available in the e-mail addresses defined for the organization. Generic addresses appear in the list.

From (0	
User	sending the email	•
	Support Naelan <cverite@naelan.com></cverite@naelan.com>	
\checkmark	User sending the email	
	Merge Field	

- To: recipient's address; it is possible to type text or preset the the contact's address available on the current object, if his identifier is available in the merge fields of the linked object.
- Cc and Bcc: addresses for copy and blind copy, to be completed on the same model as the recipient's address, if necessary.
- Reply To: if necessary, especially if it is different from the sending address.
- Subject: the subject of the e-mail can be preset with the elements of the current object, the name of

an opportunity, an account, an invoice number for example. In this case, it will be personalized thanks to the merge fields available on the right part.

Select Save

The new configuration appears in the list, identified by the linked Salesforce object.

7. Validation workflow example

In Salesforce®, you can configure validation workflow to validate some records and especially KSL documents.

In this section, you will find a simple example of a validation workflow that you can configure for the KSL (PDF) document. For more information on validation workflow, you can read the Salesforce[®] documentation.

7.1. Creation of a queue

If you have multiple users assigned to validate the document, you can create a queue to manage it. In Setup, find Queues and click the button New.

Queues			
dir Queue (SL Validator			
Queue Edit		Save	Cancel
Queue Name and Email Address			
Ourner Na Guerue Er Send Email to Mami	ad	jo	-0
Supported Objects			
Select the objects you want to assign to this queue Available Objects	Selected Objects	then be d	owned by this queue.
Case Goal Image Knowledge Article Version Lead Location Maintenance Plan Metric Order Product Item Product Request Product Transfer Quick Text	SL Document -		- 2

- Choose the name of your queue
- Choose the objects that will be assigned to this queue. In our example KSL Document.
- Choose the members of the queue. These can be users, roles, or public groups.

7.2. The validation workflow

In Setup, search for Approval Processes. Choose the object on which you want to create your validation workflow, in this example KSL Document (PDF), and then Create New Approval Process.

The Jump Start witzerd creates a one-step approval process for you in just a few minutes Enter a name for your process in the box below and them select an email template to notify the approver (optional). Name KSL Document (PDF) Use An Approval Assignment Enter Template Start me Subenit for Approval process of the Solowing enter in the Solowing enter	Approval Process Information								
Inter a name for your process in the box below and then select an email template to notify the approver (optional).	he Jump Start wizard creates a one-step approval process fr	or you in just a few minute	5						
Kisk Document PDF Approval Assignment Estat Tampiter Image: State of the Submit for Approval Submit and Approval Estate Tampiter Image: State of the Submit for Approval Submit and Approval Estate State of the Submit for Approval Estate and State of the Submit for Approval Estate of the Submit for Approxement estate of the Submit		일을 들어졌다. 김 씨는 이번 것은		optional)					
Unique Name KSL_Document_PDF Approval Assignment Estail Template Image: Status of KSL.Document page layouts Addt the Submit for Approval button and Approval situatory related fast to all KSL.Document page layouts Image: Status of KSL.Document page layouts Specify Entry Criteria Teid Operator -None- -None- -None- And AND -None- -None- -None- And AND -None- -None- -None- And AND -None- -None- -None- And AND -None- -None- -None- None- -None- And AND -None- -None- -None- And -None- -None- -None- And -None- -None- -None- And -None- -None- -None- And -None- -None- -None- -None- -None- -None-	Name	E Document (PDF)	ethiotechnolis (
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- Choose the name of your validation workflow and the e-mail template to send to the approver if necessary.
- Specify whether KSL documents (PDF) are automatically transmitted to the validation workflow and the condition. Otherwise, the user may manually submit his KSL document (PDF) to the validation workflow.
- Select the approval of the KSL Document (PDF). In this example, the record is assigned to the previously created queue.

On the Approval Process (Layout) screen, you can add new approval steps and choose whether the Salesforce record (the document in the context) should be locked when it is approved or rejected.

8. Annexes

8.1. Generate public and private keys

The Public Key is the identifier of the Ksl Office web application for authorization servers; it is the clientld configured for the KSL Suite application server (web.xml of the Tomcat configuration). This key is dependent on the instance of the KSL Suite server. The public key is required for the KSL server to recognize the Salesforce[®] server and to allow communication.

The Private Key is the equivalent of the clientSecret, also configured for the KSL Suite application server. This key is required for recognizing the JWT token (JSON Web Token). This 32-byte (256-bit) key corresponds to the "256" of the SHA256 protocol.

a. Private key creation

To generate this private key, we advise you to use the online Jamiekurtz tool: http: //jwtbuilder.jamiekurtz.com (Signed JSON Web Token part - "Generate 32-byte Key" option).

Be careful, do not click on the Create Signed JWT #button, but on the arrow and select Generate 32-byte Key.

The value of the Key field displayed is the private key that can be copied and pasted into the KSL for Salesforce[®] configuration.

Previous form information is not needed to generate this key.

Key	yV7qNunDPysUqG2eoHqCZTXWaWIROWC	0	H\$256 •	Create Signed JWT
				Generate 32-byte key
				Generate 64-byte key
				Generale 128-byte key
				✓ Base64-encode the tok

b. Public key creation

To generate this public key, we advise you to use the GuidGen online tool: https://www.guidgen.com.

Several other ways can be used to create this key:

- From Salesforce[®]
- With a tool like https://www.ssh.com/ssh/putty/windows/puttygen)
- With a tool like http://www.unit-conversion.info/texttools/random-string-generator/
- With command lines (e.g. openSSL)

8.2. Migration to KSL For Salesforce plug-in version 2.2

Version 2.2 proposes an overhaul of the navigation on the details of the KSL documents, in particular for the interactive document.

If you are working on a version prior to version 2.2 (1.6, 1.8 or 1.8.1), it will be necessary to apply a migration procedure:

- on the history of KSL documents already produced
- on Salesforce objects on which you have installed a KSL document production

On the KSL side, this version requires two upgrades:

- KSL Server upgrade to version 8.1.1.5, mainly for the provision of the new *xml2csv* system service implemented for email
- updating the Salesforce project with the latest level of composite services associated with the Salesforce Plug-In (archiveDocument, email and emailing services if necessary), for the execution of on-demand documents in all formats and the implementation of the xml2csv service.
- a. Prerequisites for Each Salesforce Object with KSL Models

Do not apply this part on the Opportunity object since its configuration is included in the package.

For each record of the active "KidObjets Description" custom metadata type, you must add a "lookup relationship" field in the KSL Document object (ksl__Document__c).

This field should reference the Salesforce object from which you are using the KSL connector.

For example, the "KidObject Opportunity" record, allowing the use of the connector on the Opportunity object, resulted in the creation of a "lookup relationship" field referencing the Opportunity object.

In Setup > Object manager,

Select KSL Document object (ksl_Document_c), then Fields and Relationships.

- Click New
- Step1: On the choice of the type of field, tick Lookup Relationship > Next
- Step 2: On the selection of the related object, select the Salesforce object you want to migrate > Next
- Step 3: Enter the label and the name of the field (KSLFor ObjectName for example) > Next
- Step 4: select the field-level security profiles list proposed by default > Next
- Step 5: The KSL Document Layout which lists the KSL documents is already ticked in the reference fields for the presentation of the page> Next
- Step 6: Adding personalized associated lists the object page layout is already checked; click on Save.

b. The migration script on the history of KSL documents

Note that :

- Old recordings will not be deleted
- Each execution of the script works on all the old recordings (several executions without first deleting will therefore create duplicates)

When all the "Lookup Relationship" fields are available for the targeted objects, open the developer console:

Setup > Developper Console

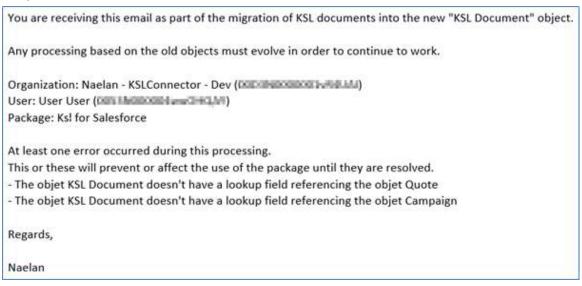
On the menu bar, click on Debug then Open Execute Anonymous Window. In the opened window, copy / paste the code below:

Database.executeBatch(new ksl.PostInstall_MigrationRecordBatch());

Click Execute

A batch processing is started on the history of your KSL documents. You will receive an Email as soon as the processing is complete. It will tell you if an error has occurred or not.

For example :



There was no error on the records, but I am told that the KSL Document object does not have a lookup relationship field for the Quote and Campaign objects. Since the connector is ultimately not used on these objects in the context of the example, these two messages are irrelevant.

c. Embed the New KSL Document List on Your Salesforce Objects

To be performed on each Salesforce object with active KSL models.

This new KSL document list should replace the old one on the object page. Following the passage of the script, it takes all the KSL documents generated for the object, old and new.

In Setup > Object Manager

Select the Salesforce object you want to migrate, then Page Layouts.

Click the name of the available page layout.

On the detail of the presentation,

- Select Related Lists from the list on the left
- Among the lists, select the KSL Documents box which is not grayed out and drag it onto the page, under the already existing KSL Documents block

eids	Q Quick Find Related List Name 🕷										
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Configure this second KSL Documents block by clicking on the adjustable wrench, and select the fields you want to appear on the list of KSL documents, knowing that the first 4 are those presented on the abbreviated list.

Related List Properties - KSL Documents							
					Help	0	
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Sort By:	Created Date Ascending Descending			~			
Buttons						+	
	OK		Cancel	Revert to Defaults			

- Think about sorting this list of documents, by decreasing creation date to see the most recent documents for example.
- OK
- Delete first block KSL Documents = old version block
- Click Save to save the page changes and exit, or Quick Save to stay on the page.

8.3. FAQ

a. "Bilingual" interface problem on plug-in elements?

The context of the problem is a combinatorial:

- a new Salesforce org or sandbox
- a user whose login language is not English

The consequence is a series of interfaces, especially in KSL Administration but also on the interactive document, partially on the language of the user AND in English.

To solve the problem,

Configuration > User interface > Translation system > Translation language settings Activate the translation system

-> the two or three languages (from version 2.2) supported are displayed in the list

A screen refresh is sufficient to see a uniform translation appear.



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