

Configuring an Adobe Sign Integration

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Onit integrates directly with Adobe Sign, allowing you to send documents in Onit through signature workflows orchestrated by Adobe Sign.



Note: You must own an Enterprise Adobe Sign account that has permission to accept and make API calls. Onit will use this account to integrate with Adobe Sign.

The configuration of this integration takes a bit of work to set up and you will need to download a REST client of your choice. You will also need to use a template App (provided by Onit) to build out this integration. This tutorial will go over the components and moving pieces of the template App, so that you can customize it to fit your workflow.

Overview of the Integration

Onit's Adobe Sign integration relies on an Onit Action to create an Adobe Sign workflow. The Action passes a document from Onit to an Adobe Sign's signature workflow, where one or more signers provide electronic signatures.

After the workflow is started by the Onit Action, Adobe Sign does not make API calls back to Onit. In order for Onit to know the current status of an Adobe Sign workflow an Onit Action must be fired this Action calls Adobe Sign, retrieves a status, and then stores the new status into an Onit Field.

However, when the signature workflow is complete, Adobe Sign *will* send an email to Onit, triggering an Onit Action that saves the signed document into an Onit Field/Record, changes the Phase of one or more Records, and performs any other tasks that you like.

Once a document has been created and sent out for signature, any signer has the option to decline to sign the document within Adobe Sign. If they choose to decline, Onit will display a message that the document's signature workflow was cancelled/voided.

Using the Adobe Sign Template App

As mentioned above, it is highly recommended that you use a pre-built App. This app is named **Adobe Sign Template** and it comes pre-built with all of the required Actions, Conditions, Fields, etc. If necessary you can apply your own customizations on top of the app's pre-built configuration.

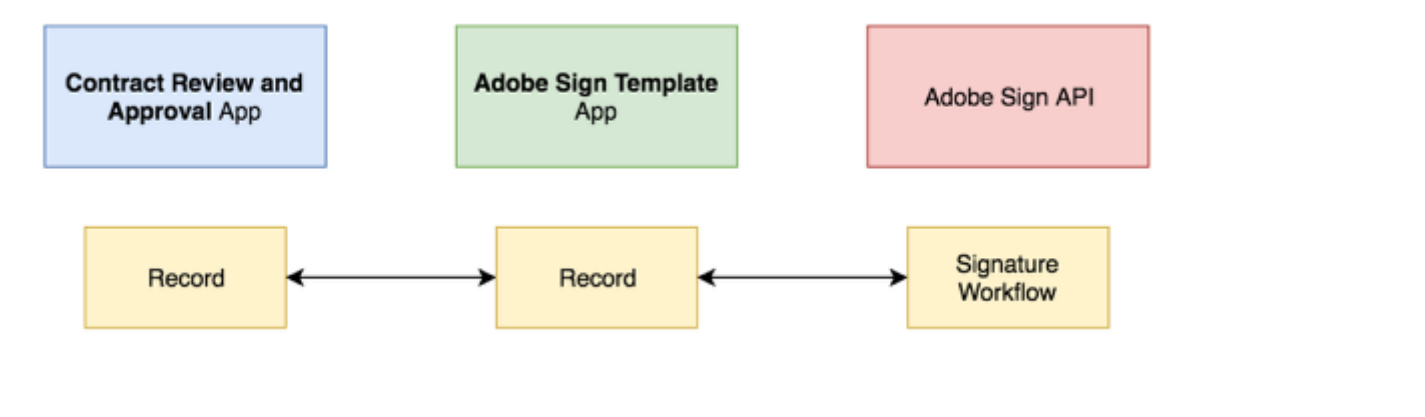
This tutorial assumes that you will be using a copy of the **Adobe Sign Template** App. If you do not have this App in your Onit environment, talk with your Onit representative.

A Word on Relationships

An Onit-to-Adobe Sign integration consists of two apps:

- The **Adobe Sign Template** App, provided by Onit.
- Your end-user facing App, which contains your business Records. In this tutorial we'll use an example App named **Contract Review and Approval** you can use this integration any type of business object (contracts, expense reports, legal matters, etc.).

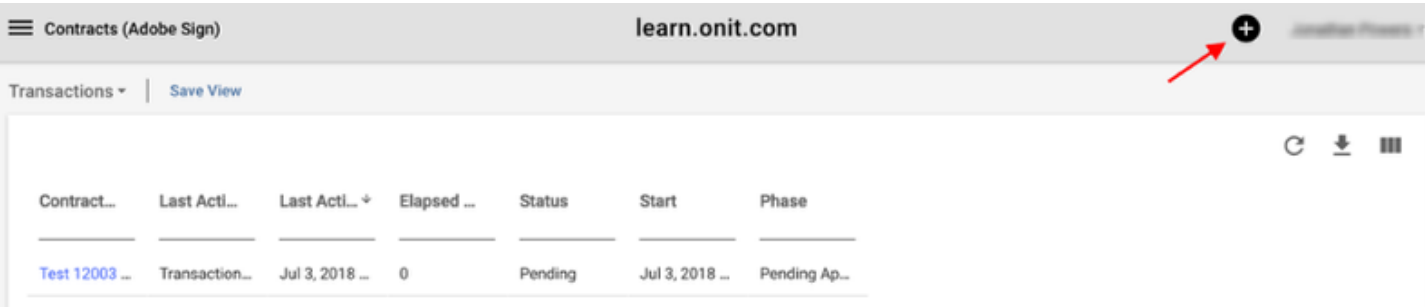
Once a business Record has been created by a user in the **Contract Review and Approval** App, a related Adobe Sign Record will automatically be created in the **Adobe Sign Template** App. In most cases, the **Adobe Sign Template** App is a stand-alone, non-user-facing App, within which there is one Record per Adobe Sign signature workflow. The business Record in **Contract Review and Approval** receives updates about the signature workflow from the record in **Adobe Sign Template** App. Both Apps should be related through a ManyToMany relationship.



Sample Workflow

Below is a step-by-step description of a basic implementation of this integration.

1. In the **Contract Review and Approval** App, a user will create a new record by clicking the “plus” button.




2. According to the business requirements in question, the record will advance to a Phase named Out for Signature.

The screenshot shows a contract record interface. On the left, the 'General' tab is active, displaying fields for 'Contract Name' (Test 12003 -CM), 'Ready For Signature' (Adobe Sign Integration.docx), 'Signed Document', 'Signer #1', and 'Signer #2'. On the right, the 'Pending Approval' dropdown menu is open, showing options: 'Pending Approval', 'Out For Signature' (highlighted with a red arrow), and 'Signed'. Below the dropdown is a 'Send for Signature' button. In the center, there is a 'Post comment...' field and an 'Activity' section showing 'No activity'.



3. Upon Phase change, a **Transaction Phase Change** Business Rule named **Create Adobe Sign Record** will trigger in the **Contract Review and Approval** App.
4. The business rule will fire a **Create Related Transaction** Action named **Create Adobe Sign Record** in the **Contract Review and Approval** App.



Transaction Phase Change

Name * Create Adobe Sign Record 

Description

Enabled ☒

Condition Phase == Out for Signature  




Actions * Create Adobe Sign Record  

Comment Provide a brief description of the change you made (optional)

Cancel **Create**

5. Upon Record creation, a **Transaction Created** Business Rule named **Create Adobe Sign Envelope** will trigger in the **Adobe Sign Template** App.
 - The business rule will fire a **Conditional Compound Action** (CCA) called **Create Adobe Sign Envelope**. This CCA will in turn fire:
 1. An **Adobe Sign Agreement Creation Action** named **Create Adobe Sign Envelope** will fire, creating the Adobe Sign workflow.





Transaction Created

Name *	Create Adobe Sign Envelope	
Description		
Enabled	<input checked="" type="checkbox"/>	
Condition		 +
Actions *	CCA: Create Adobe Sign Envelope 	 +
Comment	Provide a brief description of the change you made (optional)	

Copy Cancel Delete Save

- If Adobe Sign encounters an error while creating a workflow, a Business Rule in Onit named **Throw Error: Adobe Sign Error Encountered** will be triggered. The Business Rule will fire a **Throw Error** Action named **Adobe Sign Error Encountered**. Help text from the Adobe Sign error message will be pushed to the **Contract Review and Approval** App.
- A **Transaction Created** Business Rule named **Get Adobe Sign Status** in the **Adobe Sign Template** App will be activated to check on the status of the newly created document.
 - The business rule will fire a **Conditional Compound Action** (CCA) named **Get Adobe Sign Status**. This CCA will in turn fire:
 - An **Adobe Sign Agreement Info** Action named **Get Adobe Sign Status**.
 - An **Update Related Transaction(s)** Action named **Update Adobe Sign Help Text on Business Record**. This Action pushes text from Adobe Sign updates into a Field on the business Record, then shows end-user helpful display text.

Business Rules

Daily Schedule

Email Received

Transaction Created

Create Adobe Sign Envelope

Throw Error: Adobe Sign Error Encountered

Get Adobe Sign Status

Add




Transaction Created

Name	Get Adobe Sign Status
Description	
Enabled	<input checked="" type="checkbox"/>
Condition	
Action	Conditional Compound Actions - CCA: Get Adobe Sign Status

- Adobe Sign will automatically send emails to each user in the signature workflow, one-by-one. Each user clicks a link in their email to launch an Adobe Sign webpage and electronically sign the document. At this step the participant(s) will also have the option to decline to sign the document. If they do so, the document's signature flow will be stopped and Onit will display a message on the **Contract Review and Approval** Record.

9. When the signature workflow is complete, Adobe Sign will email Onit, satisfying the **Document Fully Executed** Condition in an **Email Received** Business Rule named **Handle Fully Executed Document** in the **Adobe Sign Template** App.
- A **Conditional Compound Action** (CCA) named **Handle Fully Executed Document** will orchestrate updating both the **Adobe Sign Template** Record and the **Contract Review and Approval** Record via the following Actions:
 1. An **Adobe Sign Agreement Info** Action named **Get Adobe Sign Status**.
 2. A **Copy Document Property to Related Transaction** Action named **Copy Signed Document to Business Record**.
 3. A **Change Phase for Related Transactions(s)** Action named **Change Phase on Related Record to Signed**.
 4. A **Change Phase** Action named **Change Phase to Signed**.
 5. An **Update Related Transaction(s)** Action named **Update Adobe Sign Help Text on Business Record**.

Email Received

Name *	Handle Fully Executed Document		
Description			
Enabled	<input checked="" type="checkbox"/>		
Condition	Document Fully Executed		+
Actions *	CCA: Handle Fully Executed Document 		+
Comment	Provide a brief description of the change you made (optional)		

[Copy](#) [Cancel](#) [Delete](#) [Save](#)

Adobe Sign Template App Components

The following is an overview of the major components used in the integration. As an App Builder, you should be aware of each component to both understand how it functions and how you can customize these components around your needs.








Note: All Actions, Conditions, Fields, etc. below are from the **Adobe Sign Template** App.

Creating Adobe Sign Workflows

An **Adobe Sign Agreement Creation** Action named **Create Adobe Sign Envelope** is responsible for creating an Adobe Sign workflow. You'll do most of your customization for the integration inside of this Action.

Adobe Sign Agreement Creation

Name *	Create Adobe Sign Envelope	
Description		
Client *	<input type="text"/>	<button>Editor</button>
Client Secret *	<input type="text"/>	<button>Editor</button>
Redirect Uri *	https://www.onit.com	<button>Editor</button>
Refresh Token *	<input type="text"/>	<button>Editor</button>
X Api User *	<input type="text"/>	<button>Editor</button>
Adobe Sign Transaction Id Field *	Adobe Sign Transaction ID (adobe_sign_transaction_id)	
Document Field *	Ready For Signature (ready_for_signature)	
File Name (Override document default name)		<button>Editor</button>
Agreement Name *	{{name}}	<button>Editor</button>
Recipient Emails *	{{all_signers}}	<button>Editor</button>
Cc Emails *	{{email_address.account}}@{{email_address.subdomain}}.app.onit.com	<button>Editor</button>
Last Error Success Field *	Last Error Success (last_error_success)	
Last Error Desc Field *	Last Error Desc (last_error_desc)	

Reacting to Adobe Sign Events

As mentioned above, Adobe Sign does not make any API calls back to Onit. Onit must trigger a CCA named **Get Adobe Sign Status**. This CCA makes a call to Adobe Sign to retrieve information about the status of the Adobe Sign workflow and then saves the response in the **Adobe Sign Template's adobe_sign_status** Field. Additionally, this CCA will fire an Action named **Update Adobe Sign Status Help Text on Business Record** which will update the help textbox on the end-user-facing App with the workflow's status.

Conditional Compound Actions

Name *

CCA: Get Adobe Sign Status

Description

Condition

Actions *

Get Adobe Sign Status

Update Adobe Sign Help Text on Business Record

Recalc single

Run In Background

☒

Action to execute in case of background failure

Comment

Provide a brief description of the change you made (optional)

Copy

Delete

Save

General

This document has been sent to Adobe Sign and is pending signature(s).

Already Signed: None.
Remaining Signers:

To modify this signature workflow, visit [Adobe Sign](#).

Contract Name *

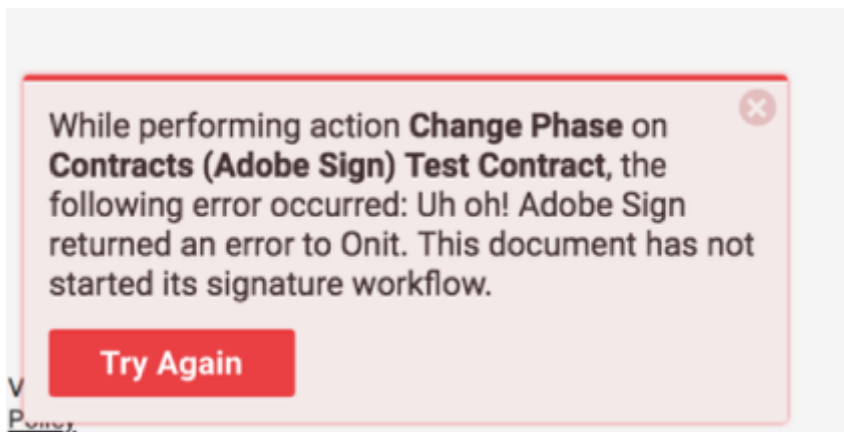
Test 12002 -CM

Responding to Adobe Sign Failures

A Business Rule named **Throw Error: Adobe Sign Error Encountered** fires when a workflow is created by the **Contract Review and Approval** App. If the Business Rule’s Condition is satisfied by an Adobe Sign error, it triggers a **Throw Error** Action named **Adobe Sign Error Encountered**. This Action displays help text to the end-user and rewinds the Record’s Phase to **Pending Approval**.

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Note: A participant declining to sign the document does not classify as an error, therefore the Phase will not be returned to **Pending Approval**.

Handling Completed Documents

When a signature workflow completes, the **Handle Fully Executed Document** CCA will execute. This CCA fires when Adobe Sign emails Onit and triggers the **Document Fully Executed** Condition. Once this CCA is triggered it will run the following Actions:


1. An **Adobe Sign Agreement Info** Action named **Get Adobe Sign Status**.
2. A **Copy Document Property to Related Transaction** Action named **Copy Signed Document to Business Record**.
3. A **Change Phase for Related Transactions(s)** Action named **Change Phase on Related Record to Signed**.
4. A **Change Phase** Action named **Change Phase to Signed**.
5. An **Update Related Transaction(s)** Action named **Update Adobe Sign Help Text on Business Record**.

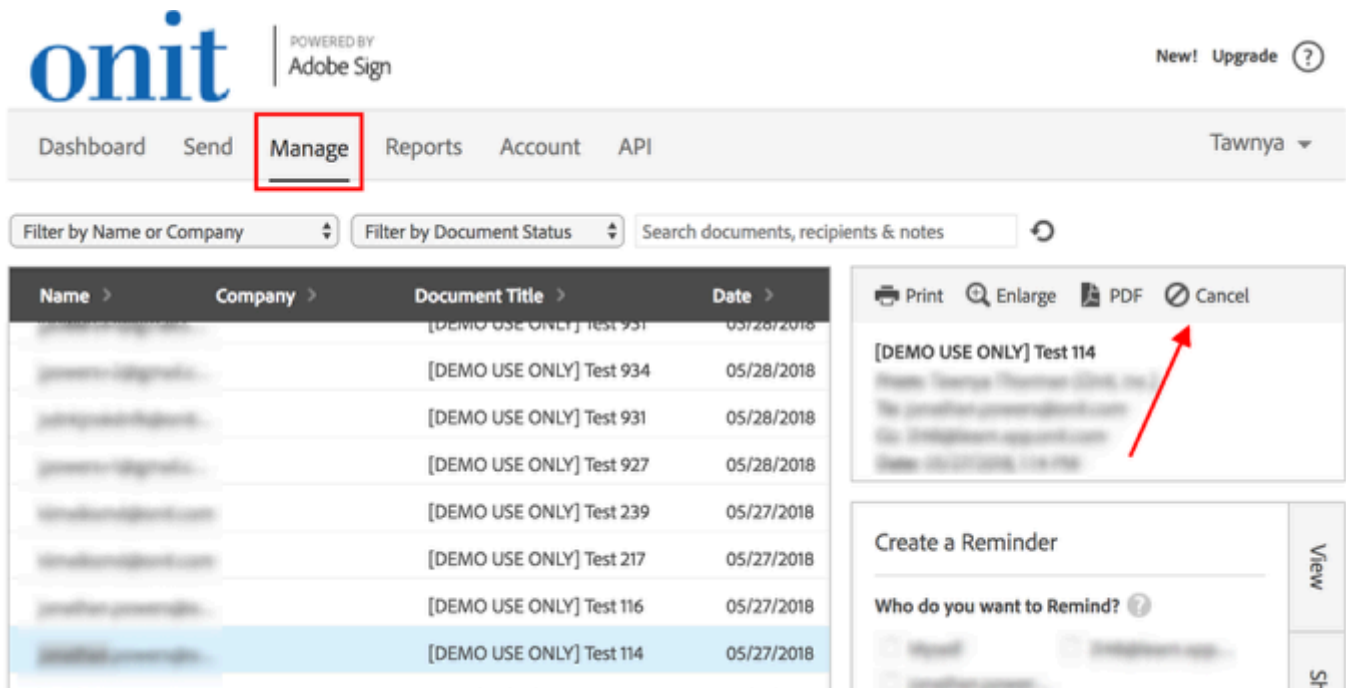
These actions will handle copying the completed document to the end-user-facing Record and changing the Phase to **Signed** on both the end-user-facing Record and **Adobe Sign Template** Record. Finally, these Actions will update the help text on the end-user-facing Record.

Voiding A Workflow

The integration does not support voiding/canceling a workflow through Onit once it has started. As a result, an Adobe Sign administrator must cancel the workflow from Adobe Sign's Website, under the **Manage** tab.

Note: Once a document is cancelled through Adobe, the signature workflow cannot be restarted.

 **Tip:** A participant declining to sign the document will not permanently cancel a workflow.



onit | POWERED BY Adobe Sign

Dashboard Send **Manage** Reports Account API

Filter by Name or Company Filter by Document Status Search documents, recipients & notes

Name >	Company >	Document Title >	Date >
[DEMO USE ONLY] Test 931		[DEMO USE ONLY] Test 931	05/28/2018
[DEMO USE ONLY] Test 934		[DEMO USE ONLY] Test 934	05/28/2018
[DEMO USE ONLY] Test 931		[DEMO USE ONLY] Test 931	05/28/2018
[DEMO USE ONLY] Test 927		[DEMO USE ONLY] Test 927	05/28/2018
[DEMO USE ONLY] Test 239		[DEMO USE ONLY] Test 239	05/27/2018
[DEMO USE ONLY] Test 217		[DEMO USE ONLY] Test 217	05/27/2018
[DEMO USE ONLY] Test 116		[DEMO USE ONLY] Test 116	05/27/2018
[DEMO USE ONLY] Test 114		[DEMO USE ONLY] Test 114	05/27/2018

Print Enlarge PDF Cancel

[DEMO USE ONLY] Test 114


Create a Reminder

Who do you want to Remind?






Customization Options

As an App Builder, you can customize the following aspects of the integration:

- **Signature workflow:** You can specify how many signers should be involved, who those signers should be, and the order in which the signers should provide their signatures. In addition, you can optionally define different signature workflow paths (e.g., if the value for the Onit **department** Field is **Sales**, include Signer A, then Signer B, then Signer C; alternatively, if the **department** Field value is **HR**, include Signer C and then Signer B).

 **Note:** Email addresses specified by the end-user for signature will be collected in the **Recipient Emails** property on the **Create Adobe Sign Envelope** Action.

Adobe Sign Agreement Creation

Name *	Create Adobe Sign Envelope	
Description		
Client *	<input type="text"/>	<button>Editor</button>
Client Secret *	<input type="text"/>	<button>Editor</button>
Redirect Uri *	https://www.onit.com	<button>Editor</button>
Refresh Token *	<input type="text"/>	<button>Editor</button>
X Api User *	<input type="text"/>	<button>Editor</button>
Adobe Sign Transaction Id Field *	Adobe Sign Transaction ID (adobe_sign_transaction_id)	
Document Field *	Ready For Signature (ready_for_signature)	
File Name (Override document default name)	<input type="text"/>	<button>Editor</button>
Agreement Name *	{{name}}	<button>Editor</button>
Recipient Emails *	{{all_signers}}	<button>Editor</button>
Cc Emails *	{{email_address.account}}@{{email_address.subdomain}}.app.onit.com	<button>Editor</button>
Last Error Success Field *	Last Error Success (last_error_success)	
Last Error Desc Field *	Last Error Desc (last_error_desc)	

- **Onit Phases and Fields:** You have control over which Onit Phases the Onit Records are in at any given time as the signature workflow is being traversed.
- **Signature Tabs:** You can specify exactly where Adobe Sign's **Sign Here** icons will appear throughout the file requiring signature. If you do not specify where the signature is located in the document Adobe Sign will place a signature block on the bottom of the document.

Adobe Sign Credentials

To complete this tutorial, you will need the following information:

1. **Adobe Sign Username/Password:** This is the username/password of an Adobe Sign Developer Account.
2. **Client ID and Secret:** You must generate this ID/secret by creating a new Application in Adobe Sign.
3. **Refresh Token and Access Key:** You must generate this refresh token/access key by walking through Adobe's OAuth workflow (detailed later in this tutorial).
4. **X API User:** This value must begin with **email:** and then be followed by the email address of the Adobe Sign Development account mentioned above (e.g., **email:bob.jones@acme.com**).

Let's Get Started

1. Relate the Template App to the End-User-Facing App

The **Adobe Sign Template** App contains a ManyToMany Field named **BizRecords** which is designed to connect it to your end-user-facing App. In the App Builder for the **Adobe Sign Template** App, change the **Target App** property to point to your end-user-facing App.

General Roles Tabs **Fields** Phases

Tags

L	V	Name	Display Name	Data Type
2	2	requester_email	Email	Email
2	2	name	Project Name	Text
2	2	adobe_sign_transaction_id	Adobe Sign Transaction ID	Text
2	2	adobe_sign_status	Adobe Sign Status	Text
2	2	agreement_info	Agreement Info	Text
2	2	last_error_success	Last Error Success	Text
2	2	last_error_desc	Last Error Desc	Text
2	2	ready_for_signature	Ready For Signature	Attachment
2	2	signed_document	Signed Document	Attachment
2	2	all_signers	All Signers	Text
2	2	biz_record_id	ID of Business Record	Text
2	2	bizrecords	Bizrecords	ManyToMany

Add Delete Move Up Move Down Duplicate

Properties Advanced

Launch Page Tab Create Request

View Page Tab General

Name bizrecords

Label Bizrecords

Data Type ManyToMany

Height

Target App Contracts (Adobe Sign)

Panel Display Never display panel

☒ Enforce App Type

Ensure that your end-user-facing App has a ManyToMany relationship pointing to the **Adobe Sign Template** App. In the screenshot below this relationship is defined in the **adobesigns** Field.

General Roles Tabs **Fields** Phases

Tags

L	V	Name	Display Name	Data Type
2	2	adobe_sign_help_text	Adobe Sign Help Text	Htmlfield
2	2	phase	Phase	Text
2	2	requester_name	Name	Text
2	2	requester_email	Email	Email
2	2	name	Contract Name	Text
2	2	adobesigns	Adobesigns	ManyToMany
2	2	ready_for_signature	Ready For Signature	Attachment
2	2	signed_document	Signed Document	Attachment
2	2	signer1	Signer #1	Email
2	2	signer2	Signer #2	Email
2	2	signer3	Signer #3	Email
2	2	all signers	All Signers	Text

Add Delete Move Up Move Down Duplicate

Properties Advanced

Launch Page Tab Create Request

View Page Tab General

Name adobesigns

Label Adobesigns

Data Type ManyToMany

Height

Target App Adobe Sign Template

Panel Display Never display panel

☒ Enforce App Type


Once both of these steps have been completed, you can now relate Records in these two Apps together as siblings. This will be required so that Onit can change Phases and Field values in your end-user-facing-App as events occur in the **Adobe Sign Template** App.

2. Configure the Create Adobe Sign Envelope Action

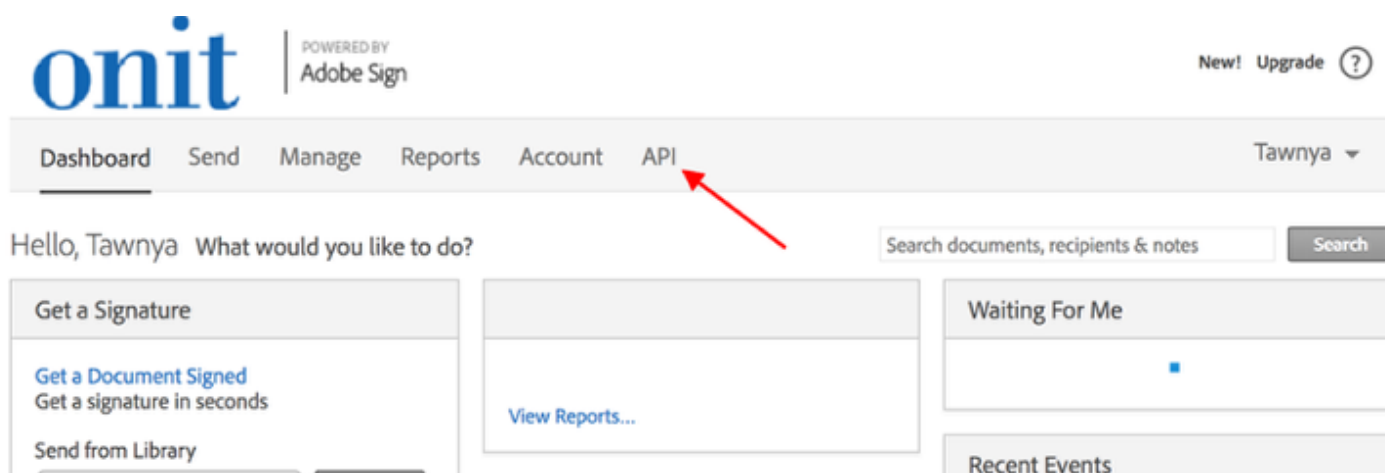
The Adobe Sign integration relies on setting up an oAuth flow with Adobe Sign. An oAuth flow allows applications (like Adobe Sign and Onit) to share information without exchanging passwords. To complete Adobe Sign's oAuth flow you will need a refresh token. A refresh token allows an application, in this case Onit, to remain authenticated with Adobe Sign so you can keep creating workflows without interruption.

In order to configure Adobe Sign you will need four pieces of information:

1. Client ID
2. Client Secret
3. Refresh Token
4. Access Code

 **Tip:** We recommend opening up a text editor to keep track of your values until you enter them in Onit.

1. If you have not already done so, create a developer account for [Adobe Sign](#).
2. Log into Adobe Sign's website at this URL: [https://secure.\[location_value\].echosign.com/account/accountSettingsPage#pagelid::API_APPLICATIONS](https://secure.[location_value].echosign.com/account/accountSettingsPage#pagelid::API_APPLICATIONS)
3. On the Dashboard, go to the **API** tab.



4. Click the **here** link (as shown in the screenshot below).

API Introduction

Developers can integrate with Adobe Sign using Adobe Sign REST API. Please read the [API overview](#) for more details.

In order to call the Adobe Sign APIs, you must first create an application.

You can manage applications in your account [here](#) - please keep application credentials private and secure. For further queries contact [Adobe Sign Support](#).

Using Adobe Sign APIs to access user data requires [OAuth Tokens](#).

You can create an [Integration Key](#) if you have a legacy application which does not support OAuth.

5. Create a new Application by clicking the “plus” button.

Name	Application ID	Created	Status
IDT-116	...	07/02/2019 02:40	ACTIVE

6. Name new Application and leave the domain as **Customer**. Click **Save**.

Create



Provide a name for your application to issue a set of credentials for use with Adobe Sign's API

Name:

Onit Integration

Display Name:

Onit Integration

Domain:

- ☒ CUSTOMER (This application will only have access to data within your account)
- ☐ PARTNER (This application will have access to any authorized Adobe Sign account)

Cancel

Save

- Once the Application is created, click on the Application name and go to configure OAuth for Application.

API Applications



Search



[View / Edit](#) | [Deactivate](#) | [Configure OAuth for Application](#)

Onit Integration	[REDACTED]	07/16/2018 08:27	ACTIVE
------------------	------------	------------------	--------

- You will see your **Client ID** on this page: make a note of this value. Fill in the **redirect URI** with any URL you want (the client will never interact with this URL). In our case we will use **https://www.onit.com**.

Configure OAuth

✕

Client ID:

Redirect URL:

Note: The redirectURL specified in your OAuth requests must belong to this list of uris. You can mention multiple uris as comma separated list.

Enabled Scopes

You must enable the scopes that you intend to request through the OAuth protocol. Please limit the scopes that you enable to the minimum set necessary for your application, which is one of the requirements for Certification.

Please [contact support](#) if you need to change which scopes are enabled for your application. ⓘ

Note that only Group Admins can approve OAuth requests that use the "group" scope modifier, and only Account Admins can approve OAuth requests that use the "account" scope modifier.

Enabled?	Scope	Modifier	Description
<input type="checkbox"/>	user_read	<div>account</div>	View users in your account
<input type="checkbox"/>	user_write	<div>account</div>	Create or manage users within your account
<input checked="" type="checkbox"/>	user_login	<div>account</div>	Login access – providing full access to any user in your account overriding other requests
<input checked="" type="checkbox"/>	agreement_read	<div>account</div>	Access documents & data on behalf of any user in your account
<input checked="" type="checkbox"/>	agreement_write	<div>account</div>	Manage the status of documents on behalf of any user in your account
<input checked="" type="checkbox"/>	agreement_send	<div>account</div>	Send documents on behalf of any user in your account
<input type="checkbox"/>	widget_read	<div>account</div>	View web forms on behalf of any user in your account
<input type="checkbox"/>	widget_write	<div>account</div>	Create, edit or publish web forms on behalf of any user in your account
<input checked="" type="checkbox"/>	library_read	<div>account</div>	View templates and document library on behalf of any user in your account
<input type="checkbox"/>	library_write	<div>account</div>	Manage the templates and document library on behalf of any user in your account
<input type="checkbox"/>	workflow_read	<div>account</div>	View workflows on behalf of any user in your account
<input checked="" type="checkbox"/>	workflow_write	<div>account</div>	Create workflows on behalf of any user in your account
<input checked="" type="checkbox"/>	webhook_read	<div>account</div>	View webhooks on behalf of any user in your account
<input checked="" type="checkbox"/>	webhook_write	<div>account</div>	Create or edit webhooks on behalf of any user in your account
<input checked="" type="checkbox"/>	webhook_retention	<div>account</div>	Permanently delete webhooks on behalf of any user in your account
<input type="checkbox"/>	application_read	<div>account</div>	View applications.
<input type="checkbox"/>	application_write	<div>account</div>	Manage applications, includes: managing OAuth scopes, application name, display name.

Cancel

Save

9. Check all the boxes *except* the **user_read**, **user_write**, **widget_read**, and **widget_write** boxes and leave all the Modifier values set on **account**. Click **Save** when you are done.

Note: The **Enabled Scopes** values can be changed. If you change them be sure to also change the **scope** value of the URL in the next step to reflect your changes. You *must* leave **workflow_read**, **workflow_write**, **webhook_read**, and **webhook_write** enabled for the Onit integration to work correctly.

- You will need the **Client Secret**. To get this, select your application and click "View/Edit". The secret will be visible in the popup window that appears.

View / Edit

Application ID:

Client Secrets

+

Value	Created Date	Status
	2022-07-13T08:57:07:00	ACTIVE

Created:

07/13/2022 03:57

11. Enter the following URL in your browser:

```
https://secure.[location_value].echosign.com/public/oauth/v2?redirect_uri=[redirect_uri]&response_type=code&client_id=[client_id]&scope=user_login:account+agreement_read:account+agreement_write:account+agreement_send:account+library_read:account+library_write:account+workflow_read:account+workflow_write:account+webhook_read:account+webhook_write:account+webhook_retention:account
```

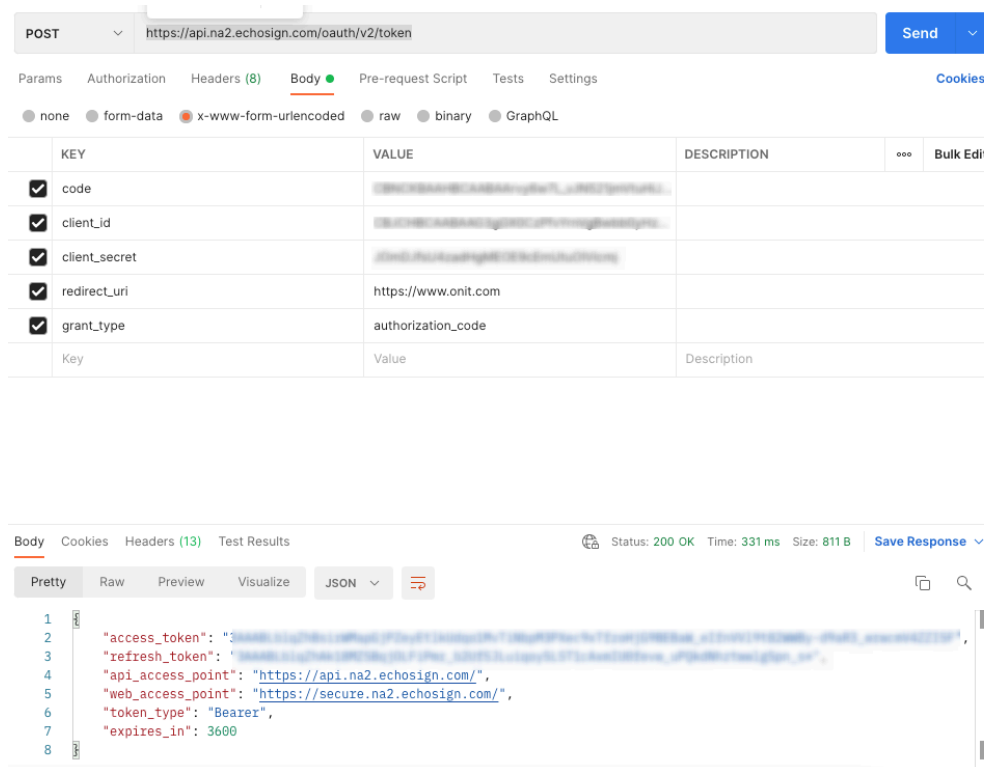
- You must replace the `location_value` in the URL with the same value you see in the address bar when logging into Adobe Sign between secure and echosign. (e.g., `na1` or `na2`)
- Replace the `client_id` of your Application.
- Replace the `redirect_uri` with your redirect URI.
- Navigate to the above URL. The page will prompt you to sign in and grant access to Onit. Be sure to sign in using the Adobe Sign developer account that you want to integrate with Onit.
- Once you grant Onit access you will be redirected to the redirect URL that you entered earlier. Look in your browser's URL bar for a parameter called `code` . Make note of this values as you'll need it in an upcoming step below. Below is an example URL:

```
https://api.echosign.com/oauth/v2/token?code=XXXXXXXXX&client_id=XXXXXXXXX&client_secret=XXXXXXXXX&redirect_uri=https://www.onit.com&grant_type=authorization_code
```

- Open your REST client (we'll be using [Postman](#)) and prepare to make a POST request.
- In the header next to POST, put the URL you used to connect to Adobe sign before, up through "token". E.g.: <https://api.na2.echosign.com/oauth/v2/token>
- Click on Body. Select this option: `x-www-form-urlencoded` .
- Create KEY-VALUE pairs:

1. code - [your code]
2. client_id - [your client id]
3. client_secret - [your client secret]
4. redirect_uri - [your redirect URL from before, such as <https://www.onit.com>]
5. grant_type - authorization_code

21. make your POST.



POST <https://api.na2.echosign.com/oauth/v2/token> Send

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE	DESCRIPTION
code	[redacted]	
client_id	[redacted]	
client_secret	[redacted]	
redirect_uri	https://www.onit.com	
grant_type	authorization_code	
Key	Value	Description

Body Cookies Headers (13) Test Results Status: 200 OK Time: 331 ms Size: 811 B Save Response

Pretty Raw Preview Visualize JSON

```

1 {
2   "access_token": "[redacted]",
3   "refresh_token": "[redacted]",
4   "api_access_point": "https://api.na2.echosign.com/",
5   "web_access_point": "https://secure.na2.echosign.com/",
6   "token_type": "Bearer",
7   "expires_in": 3600
8 }
```

Note: You must use a REST client to make this POST request, you *cannot* enter this into your browser.

A successful **200 OK** response should contain your **access token**, your **refresh token**, **token type**, and the **token expiry date**. Make a note of these, you will need them shortly. If you get a response of **403 Forbidden** or **401 Unauthorized**, something went wrong.

Note: If you receive an error after making your POST request in step 17 you *must* restart the POST process with a new code. To get a new code perform steps 10-15 again.

If you received a successful response, congratulations! The hard part of the tutorial is over. Now we will be moving back to Onit to configure your Adobe Sign integration.

22. Back in Onit, go to the Advanced Designer page of the **Adobe Template** App and find the **Create Adobe Sign Envelope** Action.

Adobe Sign Agreement Creation

Name *	Create Adobe Sign Envelope	🔒
Description		
Client *	<input type="text"/>	Editor
Client Secret *	<input type="text"/>	Editor
Redirect Uri *	https://www.onit.com	Editor
Refresh Token *	<input type="text"/>	Editor
X Api User *	<input type="text"/>	Editor
Adobe Sign Transaction Id Field *	Adobe Sign Transaction ID (adobe_sign_transaction_id)	▼
Document Field *	Ready For Signature (ready_for_signature)	▼
File Name (Override document default name)		Editor
Agreement Name *	{{name}}	Editor
Recipient Emails *	{{all_signers}}	Editor
Cc Emails *	{{email_address.account}}@{{email_address.subdomain}}.app.onit.com	Editor
Last Error Success Field *	Last Error Success (last_error_success)	▼
Last Error Desc Field *	Last Error Desc (last_error_desc)	▼

23. Set the following properties with the values that you retrieved via the steps above:

- **Client ID** (from the Adobe Sign website)
- **Client Secret** (from the Adobe Sign website)
- **Redirect URI** (the same one URL you used earlier)
- **Refresh token** (from your POST request)
- **X API user** (the email associated with the Adobe Developer account in the following format: **email:bob.jones@acme.com**)

24. From the **Adobe Sign Transaction Id Field** property, ensure that the **Adobe Sign Transaction ID** Field is selected. This will link the two documents together and ensure they have the same transaction ID.

25. From the **Document Field** property, select **Ready for Signature**. The document stored in the **Document Field** property will be passed to Adobe Sign for the signature workflow.

26. Now we will need to fill in some Liquid so our Adobe Sign documents get to the right people. Enter the following in the Action:

- Agreement Name: `{{name}}`
- Recipient Emails: `{{all_signers}}`
- CC Emails: `{{email_address.account}}@{{email_address.subdomain}}.App.onit.com`

Agreement Name *	<code>{{name}}</code>	Editor
Recipient Emails *	<code>{{all_signers}}</code>	Editor
Cc Emails *	<code>{{email_address.account}}@{{email_address.subdomain}}.app.onit.com</code>	Editor

This Liquid will populate the agreement name, recipient emails, and any cc emails from the end-user-facing related document into the Adobe Sign document.

27. Choose **Last Error Success** from the Last Error Success Field property and **Last Error Desc** from the **Last Error Desc Field** property. These Fields will ensure any errors from Adobe Sign are reported correctly to Onit.
28. Once all the Fields are correct click OK to save your Action. As the last step you will now need to enter this information again in the **Get Adobe Sign Status** agreement.

Adobe Sign Agreement Info

Name *	Get Adobe Sign Status	
Description		
Client *		Editor
Client Secret *		Editor
Redirect Uri *	https://www.onit.com	Editor
Refresh Token *		Editor
X Api User *		Editor
Adobe Sign Transaction Id Field *	Adobe Sign Transaction ID (adobe_sign_transaction_id)	
Status Field *	Adobe Sign Status (adobe_sign_status)	
Signed Document Field *	Signed Document (signed_document)	
Agreement Info Field *	Last Error Desc (last_error_desc)	

Customizing the Workflow

The out-of-the-box **Adobe Sign Template** App comes equipped with various **Conditional Compound Actions** that orchestrate the overall integration. To meet your specific business needs, you can configure the Actions inside of these CCAs to control Phase changes, Field value changes, and many other aspects of your Onit Records.

The **Adobe Sign Template** App comes with a **Daily Schedule** Business Rule titled **Check Status on All Pending Signature Workflows**. This Business Rule, if activated, will run every day at a 3 a.m. to automatically check the status of every open document awaiting signature.

Note: The time zone used by the **Daily Schedule** depends on which Onit data center your Onit environments lives within. For Onit most clients, this will be 3am CST.

Adobe Sign Signature Tags

Documents submitted to Adobe Sign that contain Liquid, require using [Liquid's Raw filter](#) to wrap your Adobe Sign tags. The Liquid used in Onit template documents has the same syntax as Adobe Sign's tags, therefore you must let

Liquid knows to ignore the Adobe Sign tags in the document. If you do not wrap your Adobe Sign tags in a Liquid Raw filter, Liquid will try to interpret the Adobe Sign tags in your document and you will get errors.

Using the Liquid Raw filter is very easy: you must place `{% raw %}` and `{% endraw %}` around your Adobe Sign tags and that's it. In the example below, the Liquid Raw filter (1) wraps the Adobe Sign tag for signer one's signature block (2):


The diagram illustrates the correct syntax for wrapping Adobe Sign tags. It shows three lines of code: `{% raw %}`, `{{SigB_es_:signer1:signatureblock}}`, and `{% endraw %}`. Red arrows and numbers indicate the components: a red arrow labeled '1' points to the opening `{% raw %}` tag, another red arrow labeled '1' points to the closing `{% endraw %}` tag, and a red arrow labeled '2' points to the Adobe Sign tag `{{SigB_es_:signer1:signatureblock}}` which is placed between the raw filter tags.

Input
<pre>{% raw %} In Handlebars, {{ this }} will be HTML-escaped, but {{{ that }}} will not. {% endraw %}</pre>
Output
<pre>In Handlebars, {{ this }} will be HTML-escaped, but {{{ that }}} will not.</pre>

Adobe Sign Text Tags

In order to request signatures in your document you will must use [Adobe Sign's text tags](#). In addition to signatures you can create checkboxes, radio buttons, an insert images using text tags. Text tags can also be made read-only or required. Below is a list of useful text tags:

<code>{{Sig_es_:signer1:signature}}</code>	A signature field assigned to the recipient identified as signer1.
<code>{{Int_es_:signer1:initials}}</code>	An initials field assigned to the recipient identified as signer1.
<code>{{SigB_es_:signer1:signatureblock}}</code>	A signature block assigned to the recipient identified as signer1.
<code>{{OSig_es_:signer1:optsignature}}</code>	An optional signature field assigned to the recipient identified as signer1.
<code>{{OInt_es_:signer1:optinitials}}</code>	An optional initials field assigned to the recipient identified as signer1.
<code>{{SigStamp_es_:signer1:stampimage(25)}}</code>	A stamp field that can be used as a signature option. Stamps are not required unless there are no other signature fields for the signer.


 **Note:** If you do not insert signature text tags into your document the signature field will automatically be placed at the bottom of your document.

Switching to Production

It is highly recommended you test your Adobe Sign integration with an Adobe developer account in a non-production environment. Using an Adobe developer account ensures you will not be charged while testing.

Once you are ready to switch your Adobe Sign integration to production, consider the following things:

- You must exhaustively test to ensure email bounces are treated correctly. Failure to do so may lead to significant problems in production.
- Moving your App to production should consist of changing the developer account values we entered in steps 17 and 22 to be your production Adobe account values.

 **Important:** Remember that you must have an Enterprise level Adobe Sign account for this integration to work. You can review plans [here](#).