

# iConnect 86775 Design Approach

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## Project Overview

The purpose of this project is to add a scheduled deployment capability to FireLight Admin.

## Features/Requirements

- The **Deploy** feature within the FireLight Admin tool will be enhanced to allow users to schedule deployments at a later time.
- The existing capability of deploying immediately will be retained.

## Use Cases / Workflow Changes

This feature will allow users to queue up a future deployment during non-peak hours instead of having to manually initiate the deployment at the time it needs to run.

## Admin Changes

On the **Deploy** view within Admin, the **Deploy** button text will be changed to **Deploy Now**, with the functionality remaining the same as before. Next to the **Deploy Now** button, a field labeled **Schedule Deployment at** and button labeled **Schedule Deployment** will be added. When selecting a Synchronization Scope, if a deployment has been scheduled, the field will be updated with the scheduled date and time (or blank if there is no scheduled deployment). If a date and time is entered in the field, when the user clicks **Schedule Deployment**, a dialog will be displayed to confirm scheduling of the deployment. If the field is cleared out and the user clicks **Schedule Deployment**, any scheduled deployment will be canceled. The system will allow scheduling one deployment for each synchronization scope. Scheduled deployments that have been performed will be displayed on the **History** tab, just like regular deployments.

The existing notification functionality (configured in *Organization* profile) can be used to receive notifications when scheduled deployments occur.

The deployment logic will be moved to the *Shared.Sync* project so that it can be called from the Scheduler. A *DeployService* class will be added, which implements processing of any pending scheduled deployments that are ready to run, and a record will be added to the *OrganizationAssembly* table to run it every 10 minutes.

Add columns to *SyncScope* table in MasterConfig database to hold scheduled deployment information:

- SyncTime (datetime), null
- SelectedItems (nvarchar(max)), null, stored as Json
- ForceDeploy (bit), null
- Reason (nvarchar(1024)), null
- Username (nvarchar(255)), null

--Do we need role code to enable feature? No, all users who have access to the Deploy view will be able to schedule deployments.

--Limit to 1 scheduled deployment, adding each scope and determine correct order? No, need more flexibility since the required order could vary. Also, don't want to combine multiple scopes into a single deployment to work with existing architecture.

--Prevent manual deployments of scheduled scopes? No, should still allow the user to perform manual deployments. If scheduled items are deployed manually in the interim, they will just get deployed again at the scheduled time.

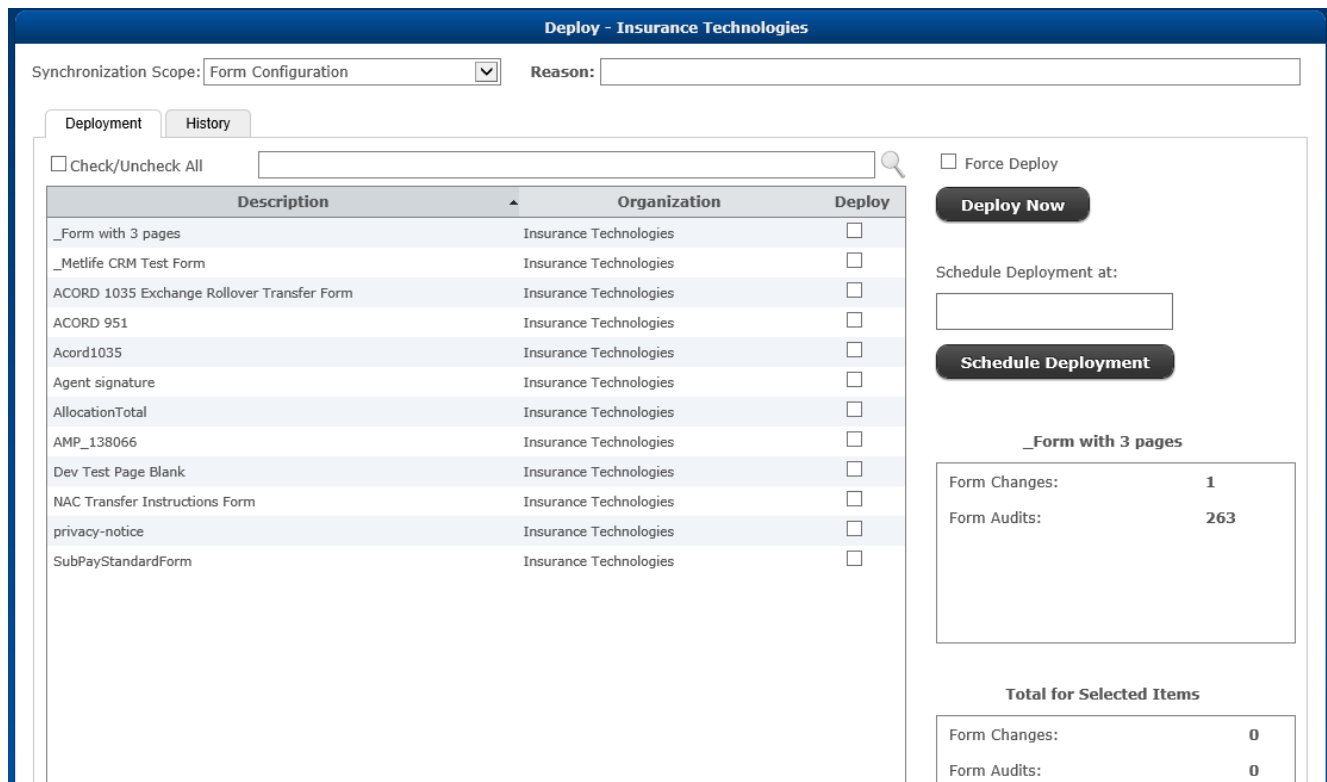
## App Changes

None

## Integration Changes

None

## UI Mock Ups



The mock up shows a web interface titled "Deploy - Insurance Technologies". It features a "Synchronization Scope" dropdown set to "Form Configuration" and a "Reason" text field. Below this are tabs for "Deployment" and "History". A "Check/Uncheck All" checkbox is present. The main area contains a table with columns "Description", "Organization", and "Deploy". The table lists various forms, all from "Insurance Technologies", each with a "Deploy" checkbox. To the right of the table are controls for "Force Deploy", a "Deploy Now" button, a "Schedule Deployment at:" text field, and a "Schedule Deployment" button. Below these are two summary boxes: one for "\_Form with 3 pages" showing "Form Changes: 1" and "Form Audits: 263", and another for "Total for Selected Items" showing "Form Changes: 0" and "Form Audits: 0".

Description	Organization	Deploy
_Form with 3 pages	Insurance Technologies	<input type="checkbox"/>
_Metlife CRM Test Form	Insurance Technologies	<input type="checkbox"/>
ACORD 1035 Exchange Rollover Transfer Form	Insurance Technologies	<input type="checkbox"/>
ACORD 951	Insurance Technologies	<input type="checkbox"/>
Acord1035	Insurance Technologies	<input type="checkbox"/>
Agent signature	Insurance Technologies	<input type="checkbox"/>
AllocationTotal	Insurance Technologies	<input type="checkbox"/>
AMP_138066	Insurance Technologies	<input type="checkbox"/>
Dev Test Page Blank	Insurance Technologies	<input type="checkbox"/>
NAC Transfer Instructions Form	Insurance Technologies	<input type="checkbox"/>
privacy-notice	Insurance Technologies	<input type="checkbox"/>
SubPayStandardForm	Insurance Technologies	<input type="checkbox"/>

**Summary:**

Total for Selected Items	
Form Changes:	0
Form Audits:	0

## How to Enable and Use This Feature

Scheduled deployments will be available to all users with access to the Deploy feature.

## Areas Impacted

System Area	Yes	Comment
<b>Admin Tool</b>		
- Form Library		
- Design Forms		
- Profile Administration		
- Reports		
- Deployment	X	
<b>FireLight App</b>		
- New Application		
- Edit Application		
- Signature Process		
- Review Queue		
- Manual Review		
- User Preferences		
- Inbound Integration		
- Outbound Integration		
- PDF Generation		
- Email System		
<b>FireLight Console</b>		
- Windows		
- iOS		
<b>Other Systems</b>		
- DTCC Integration		
- Commission Netting		

- <b>Activity Reporting</b>		
- <b>Scheduler</b>	X	