



i2P Express - Inventory & Migration – InfoPath Forms Library and InfoPath Lists to Modern SharePoint Lists for PowerApps and Flow

Introduction

InfoPath has been an important component of SharePoint since it was integrated into the 2007 release. Organizations heavily invested in automating processes using SharePoint and InfoPath to replace paper and streamline business flows. Microsoft recently announced that InfoPath end of life support is 2026 and guidance was issued to replace InfoPath with PowerApps-based solutions.

Organizations are beginning to assess how to migrate from InfoPath to PowerApps and they are finding unexpected challenges and obstacles including

- Abandonware - Many of the original developers of the InfoPath forms used by organizations have moved on and the InfoPath forms are now “abandonware”.
- “Find My Forms” - Organization are unsure how many InfoPath forms have been deployed, how many are used, and which are simple lists forms versus complex XML-based Forms Libraries.
- Data locked in XML Based Forms Libraries - Even worse, forms that leverage Forms Libraries in SharePoint store all their data in XML files – one for each instance of the form - and migrating the data trapped within these XML requires some sort of tool to map the XML into new lists and properties in SharePoint. Up until today, no tool has been available to transform XML InfoPath Forms libraries to SharePoint lists.

Up until today there has not been a tool can help you:

- Affordably inventory where the forms are hiding,
- Assess which ones need be moved,
- Analyze which are easy and which are tough,
- Migrate XML data trapped within files into structured SharePoint lists.

What are you to do? Where can you turn? Read on....

i2p Express

Your wait is over.... SkyLite Systems has developed a new tool called I2P Express to get you moving and get started migrating InfoPath to PowerApps today. i2P Express will help you help you inventory the InfoPath forms in your organization to plan how you will attack replacing them and migrate data trapped in XML– based InfoPath forms libraries (on-prem or in Office 365) to SharePoint lists so you can replace the InfoPath forms with PowerApps and Flow based solution.



Functionality within i2P Express includes the following:

- Scan the whole SharePoint farm, site collections or to create an inventory report you can use to plan how you want to migrate to PowerApps and Flow. The inventory includes:
 - Form Complexity (low, medium, high or Very High)
 - < 50 fields – Low
 - 50 – 75 – Medium
 - 75-100 – High
 - >100 or code-behind – Very High
 - Count of each form
 - The InfoPath Forms type – a Forms library of a Form used with a List
 - The location of each Forms Library or List
 - The name of the last person who edited the InfoPath Template and the last date it was edited
 - The date the data was last modified in each form library or list
 - Ability to download and save templates you create to map each form library as a .CSV file to re-use elsewhere
 - Ability to download Inventory Report as a .CSV file
- A Mapping capability to migrate the InfoPath forms that are stored as XML files (XSD) into SharePoint list(s) and create the list(s)
- i2P Express can create a new list in SharePoint for each repeating section in a form
- Migrate the Permissions if forms have item level permissions enables
- Compare data type between the InfoPath form with SharePoint online form so that we can clean up and organize data schema to match SharePoint list data types before migration
- Export data from InfoPath form to .CSV file so you can clean up the data prior to importing to SharePoint Lists
- Import data from the cleansed .CSV file to the new SharePoint Lists using the data mapping schema created within the tool
 - The tool also handles importing any InfoPath attachments to the new lists

The Final step is use Power App to generate form in SharePoint online or for you to create the PowerApp. Once you have all the data into SharePoint lists (using the migration tool), you can use PowerApps and Flow to create the new forms...

- Simple form migration can be completed in 30 minutes to an hour since there is a wizard in PowerApps to create new form... You will probably want to adjust what the wizard creates
- Complex form with repeating section and complex logic can take days to recreate in PowerApps and Flow – depends upon complexity

Screenshots

A few screenshots are shown below.

Sample Inventory

Title	Address	Count	Type	Data Last Modified	Complexity	Code Behind	Template Last Modified	Template Modified By
Accident Investigation Report	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Accident Investigation Report	0	Form Library					
ACM Report	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/ACM Report	4	Form Library	1/14/2013	Low		10/25/2018 18:54	Sergiy Nesterenko
Bid Analysis	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Bid Analysis	1334	Form Library	10/24/2018	Medium		10/25/2018 21:07	Sergiy Nesterenko
Change order request	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Change order request	2	Form Library	5/2/2012				
CVQ2	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/CVQ2	1	Form Library	6/17/2009	Medium		10/25/2018 18:53	Sergiy Nesterenko
Employee Payroll Discrepancy	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Employee Payroll Discrepancy	1963	Form Library	9/17/2018	Very High		10/25/2018 18:53	Sergiy Nesterenko
Employee Safety Log	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Employee Safety Log	8	Form Library	1/6/2009			10/25/2018 18:54	Sergiy Nesterenko
Expense Reimbursement- Submitted Forms	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Expense Summary	1834	Form Library	10/24/2018	Very High		10/25/2018 18:53	Sergiy Nesterenko
Expense Reimbursement Drafts	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/ExpenseReimbursementDraft	35	Form Library	6/20/2018	Very High		10/25/2018 19:02	Sergiy Nesterenko
HR Form	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/HR Form	0	Form Library				10/25/2018 18:55	Sergiy Nesterenko
HR Forms	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/HR Forms	265	Form Library	9/19/2018	Low		10/25/2018 18:53	Sergiy Nesterenko
Incident Report - Injury (Non Employee)	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Incident Report - Non Employee	241	Form Library	10/22/2018	High		10/25/2018 18:53	Sergiy Nesterenko
Incident Report - Non Injury	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Incident Report - Non Injury	1383	Form Library	10/19/2018	High		10/25/2018 18:53	Sergiy Nesterenko
InfoPath	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/infoaPath	0	Form Library				10/25/2018 18:54	Sergiy Nesterenko
Make up Time Request	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Make up Time Request	495	Form Library	10/25/2018	Low		10/25/2018 19:10	Sergiy Nesterenko
Mileage Reimburse Drafts	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/MileageReimburseDrafts	51	Form Library	11/19/2010	Very High		10/25/2018 19:44	Sergiy Nesterenko
Mileage Reimburse Form	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Mileage Reimburse Form	2051	Form Library	10/22/2018	Very High		10/25/2018 19:04	Sergiy Nesterenko
New Employee Setup	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/New Employee Setup	71	Form Library	5/3/2017	Low		10/25/2018 19:02	Sergiy Nesterenko
Petty Cash	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Petty Cash	6	Form Library	12/12/2018	Medium		12/5/2018 23:02	Sergiy Nesterenko
Petty Cash Acknowledgment	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Petty Cash Acknowledgment	1	Form Library	12/20/2010	Low		10/25/2018 19:02	Sergiy Nesterenko
Petty Cash Reconciliation	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Petty Cash Recap	75	Form Library	5/23/2018	Very High		10/25/2018 19:02	Sergiy Nesterenko
Receipt of Company Property Forms	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Receipt of Company Property	181	Form Library	5/29/2018				
Stop Payment 1	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Stop Payment 1	2525	Form Library	10/3/2018	Low		10/25/2018 19:02	Sergiy Nesterenko
Stop Payment 2	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Stop Payment 2	1	Form Library		Low		10/25/2018 19:02	Sergiy Nesterenko
Support Request	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Support Request Form	31	Form Library	6/7/2011				
Vacation and Personal Request	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Vacation and Personal Request	10251	Form Library	10/25/2018	Low		10/25/2018 19:44	Sergiy Nesterenko
Vendor Setup	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Vendor Forms	1210	Form Library	3/10/2014	High		10/25/2018 19:04	Sergiy Nesterenko
Vendor Setup - New	https://skylite.sharepoint.com/sites/infoa/path/policies and procedures/Vendor Setup - New	2731	Form Library	10/22/2018	High		10/26/2018 19:05	Sergiy Nesterenko

Sample Schema Mapping

Repeating Table	InfoPath Name	InfoPath Data Type	Internal Name	Display Name	Data Type	Required	Default View	Child List
	gc22	string	gc22	gc22	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	g1	date	g1	g1	Date and Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	g11	string	g11	g11	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	g11	string	g11	g11	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	a1	double	a1	a1	Number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	g22	string	g22	g22	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	g	string	g	g	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	RequiredString	requiredString	RequiredString	RequiredString	Single line of text	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	RequiredPerson	RequiredPerson	RequiredPerson	RequiredPerson	Single line of text	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SecondApproverR	SecondApproverR	SecondApproverR	SecondApproverR	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SecondApproverGL	SecondApproverGL	SecondApproverGL	SecondApproverGL	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SecondApproverVA	SecondApproverVA	SecondApproverVA	SecondApproverVA	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
group1	esattachment	base64Binary	esattachment	esattachment	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SecondApprover	SecondApprover	SecondApprover	SecondApprover	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	ManagerStatus	ManagerStatus	ManagerStatus	ManagerStatus	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	ResubmitURL	ResubmitURL	ResubmitURL	ResubmitURL	Hyperlink or Pict	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Resubmitted	Resubmitted	Resubmitted	Resubmitted	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	ResubmitStatus	ResubmitStatus	ResubmitStatus	ResubmitStatus	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	HeaderPageFooter	requiredString	HeaderPageFooter	HeaderPageFooter	Person or Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
group11	GLCode1	string	GLCode1	GLCode1	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	PettyCashGL
group11	Total1	string	Total1	Total1	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	PettyCashGL
group13	GLCode	string	GLCode	GLCode	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	GLPayout
group13	Date	date	Date	Date	Date and Time	<input type="checkbox"/>	<input type="checkbox"/>	GLPayout
group13	PaidTo	string	PaidTo	PaidTo	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	GLPayout
group13	PaidFor	string	PaidFor	PaidFor	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	GLPayout
group13	Amount	double	Amount	Amount	Number	<input type="checkbox"/>	<input type="checkbox"/>	GLPayout
	test1	string	test1	test1	Single line of text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Manager1	Person or Group	Manager1	Manager1	Person or Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Manager2	Person or Group	Manager2	Manager2	Person or Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Pricing

- 1 – Inventory Only - \$795 USD – no migration capabilities
- 2 – Inventory and Data Migration of up to 10 forms - \$2,995 USD
- 3 – Inventory and Data Migration of up to 20 Forms - \$3,995 USD
- 4 – Inventory and Unlimited forms - \$4,995 USD

SkyLite Systems

SkyLite Systems is an award winning Microsoft partner. We were awarded best SharePoint App worldwide by Microsoft in 2016 and we lead App In A Day workshops across the US for Microsoft on PowerApps, Flow, PowerBI, Office 365 and the Common Data Service. We were also recently selected as one of eleven partners who form the charter members of the SharePoint Business Applications program – a new program focused on building business solutions with Office 365, PowerApps, Flow and PowerBI.

Contact Us

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