



# Microsoft Power Platform CONFERENCE

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# Unleash the Power of Power Automate

Automating Microsoft List Operations

Norm Young

 [stormin\\_30](#)



# Norm Young

## Who am I?

- Microsoft MVP
- Sr Strategic Consultant at AvePoint

## When it comes to tech, ask me about:

- Dataverse and Model-driven Apps
- Microsoft Lists and SharePoint
- Power Automate
- Adaptive Cards


## When it comes to life outside of tech, ask me about:

- Bikes and bike racing
- Star Wars from originals, prequels too sequels



# What are we talking about?

- Moving data between Microsoft Lists can be a manual and time-consuming task
- There is no "copy" button to move an item between lists
- **Power Automate** is perfectly suited for this task and can help to streamline your list operations, increase your productivity, and has the flexibility to adapt to changing business requirements over time



# Why?



Common use cases



Item acts as a bridge between  
list solutions and needs to be  
copied to another list

# Integration



Item transitions from one process to another and needs to move from one list to another.

# Process







Item is no longer active  
and should be archived and  
needs to move from one list  
to another.

# Archive



# Flow Overview

Our Flow solution will be started by a user and will copy a list item from the source list to the destination list while considering:

- Column types like Choice, Person and Location where allowing multiple selections can trip up Power Automate
- Complex columns like Location and Image that need more professional developer skills to master



# Flow Pattern

## **Low complexity columns (Ideal for Makers)**

- Title, Date, Multiple Lines of Text, Number, Yes No, Hyperlink, Currency and Managed Metadata

## **Medium complexity columns (Ideal for Power Users)**

- Choice, Person, Lookup and Attachments

## **High complexity columns (Ideal for Pro Devs)**

- Location and Image

# Part 1: Low & Medium complexity

- SharePoint **For selected item** trigger
- Get item details from **Source** list
- Get **Allow multiple selections** columns details
- Create new item in **Destination** list

## Lists Demo's



## Demo Folders



List Operations: Destination



List Operations: Source

## Document Demo's



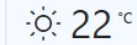
## Document Sets

## Quick links



Norm Young – My blog on SharePoint, Power Platform and related stuff.

St Catharines, ON



22 °C

Mostly sunny  
25°/16° 08/29/2023 MSN Weather

## Part 2: Medium complexity

- Update **Destination** item
- Get item Attachment details from **Source** item
- Add Attachments to **Destination** item

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Comments

💾

Save

🔍

Flow checker

🧪

Test

For a selected item

?

...

Get item - Source

?

...

{x}

Initialize variable - varChoice

?

...

Apply to each - varChoice

...

{x}

Initialize variable - varPerson

?

...

Apply to each - varPerson

...

{x}

Initialize variable - varLookup

?

...

Apply to each - varLookup

...

Create item - Destination

?

...

+ New step

Save

Ask a chatbot

# Part 3: High complexity

- Get Location coordinates from Source using **Bing maps**
- **Send an HTTP request to SharePoint** to update Location details in Destination
- Get Image details using **Send an HTTP request to SharePoint** from Source list
- Create Image **thumbnail** in Destination site
- Update Image with link to new thumbnail using **Send an HTTP request to SharePoint**

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For a selected item

Get item - Source

Initialize variable - varChoice

Apply to each - varChoice

Initialize variable - varPerson

Apply to each - varPerson

Initialize variable - varLookup

Apply to each - varLookup

Create item - Destination

Get attachments - Source

Apply to each - Attachments

+ New step

Save







# User Experience

- Native SharePoint integration with Power Automate
- Selecting item activates Flow associated with list
- Simplified user experience

SharePoint

Search this list

DS

Demo Site

Private group ★ Following 2 members

Home

Documents

Site contents

Shared with us

Recycle bin

Edit

Add real-time chat

Return to classic SharePoint

+ New

Edit in grid view

Share


Export

Automate

Integrate

All Items

List Operations: Source ☆

Title	Choice	Date	Multiple Lines Of Text	Person	Number	Yes No	Hyperlink	Currency	Image	Managed M
Item #1	<div>Choice 1</div> <div>Choice 2</div> <div>Choice 3</div>	7/31/2023	<b>Lorem ipsum</b> dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco	<div>Norm Young</div> <div>Jean-Luc Picard</div>	123,456,789	✓	<a href="#">normyoung.ca</a>	\$123,456,789.00		Customer 1

# Download now!!!

Unleash the Power of  
Power Automate:  
Automating Microsoft  
List Operations



# Thanks!!!

Let's keep the conversation going:



[normyoung.ca](http://normyoung.ca)



[norm-young](https://www.linkedin.com/in/norm-young)



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