



blackbaud®  
**DEVELOPERS’  
CONFERENCE**  
June 15–17, 2021

# How can the Microsoft Power Platform transform my business processes?

HOT TOPIC MEDLEY TRACK

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**BEN LAMBERT**

*Session Host: Trevor Kelly*



# Safe Harbor Statement

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- Providing direct support to answer questions regarding Subscription functionality, internal business practices, and troubleshooting processes to Your Non-Authorized Users
- Providing direct support to answer questions regarding Customization specifications, features, intended usage, and Error correction and troubleshooting processes to Your Non-Authorized Users



@benjelambert



# Hello! I'm Ben Lambert

*Pronouns: ex. He/Him/His*

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HOMETOWN: CHINA GROVE, NC

AT BLACKBAUD: 27 YEARS

Multi-instrumentalist, Culinary enthusiast

RE:DOS, RE for Windows, RE7 Gift Module, Infinity Platform, Architect of SKY API, SKY Add-ins, and SKY Developer since 2014.

Passionate about helping customers leverage technology to solve problems!



## In this session...

- *See solutions to real-world customer scenarios*
- *Show the power of "connected office" using Microsoft's Power Platform*
- *Take inspiration from implementations, use these techniques for other scenarios*

# SKY Developer

The toolset to extend, customize, and contribute to the capabilities available on Blackbaud SKY, including:

## SKY API®

Open, industry-standard REST APIs

## SKY Add-Ins™

Enables contextual experiences in Blackbaud solutions

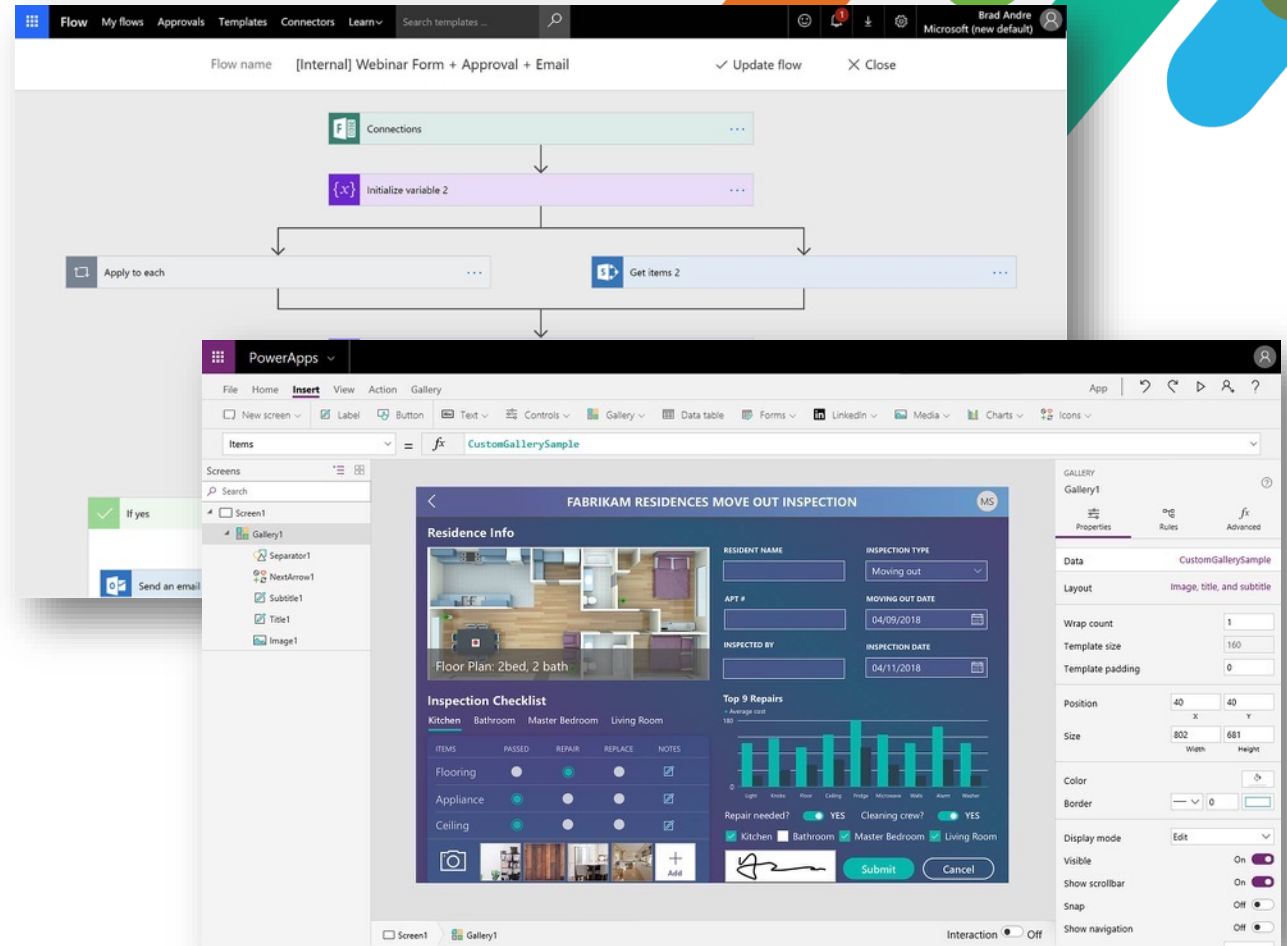
## SKY UX®

Open source, full component library



# Microsoft Power Platform Connector for Raiser's Edge NXT

- Powered by SKY API!
- MSFT Power Apps is a service that enables “citizen developers” to build apps for web and mobile.
- MSFT Power Automate is a service for automating workflows across a growing number of SaaS applications (nearly 500 connectors!).
- The certified Blackbaud Power Platform connector for Raiser's Edge NXT enables customers to create apps and workflows with their Blackbaud data.



# Raise your hand if you've...

- *Created a SKY Developer account?*
- *Made an API call?*
- *Created a flow using Power Automate?*
- *Created a Power App?*
- *Watched the Friends reunion special?*

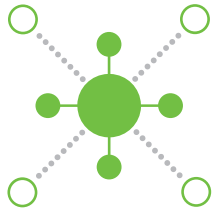
*"It sure was great to see everyone again...!"*

*– BenL 😊*





# Why automate?



Model your organization's unique business logic and custom workflows, which may span time and involve multiple people, machines, and other systems!



Represent your policies/procedures as a formal codified living artifact instead of a static, dusty manual sitting on a shelf that no one reads anyway!



Remove surface area for human error and let "the cloud" manage things consistently and robustly going forward!



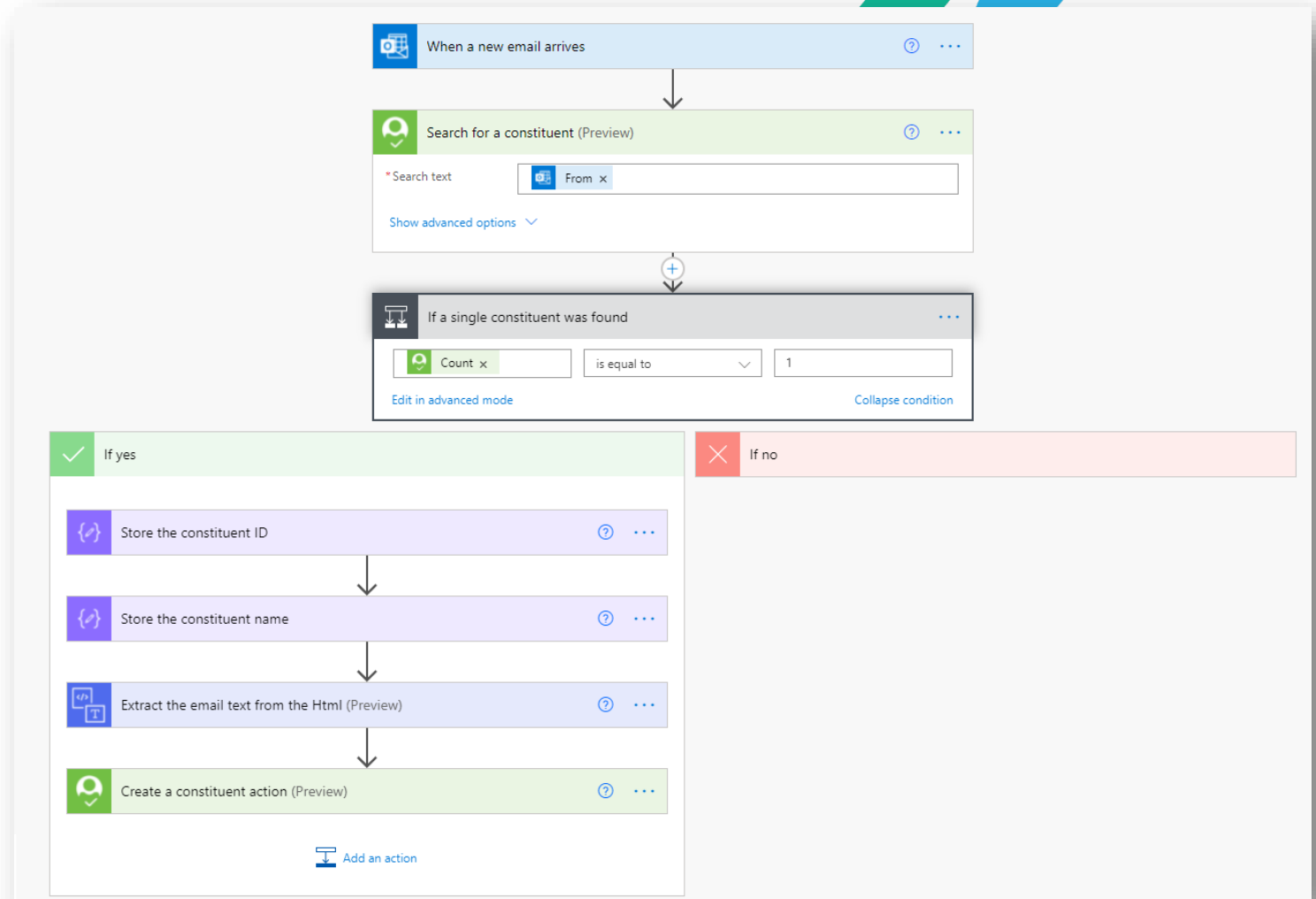
## *Customer scenario: Email integration*



*“Automatically record all incoming/outgoing emails to constituents as actions in Raiser’s Edge NXT”*

# Overview

- Use Microsoft's Power Automate engine with the Raiser's Edge NXT connector to build a workflow managed by "the cloud"
- When an email arrives in my inbox
- Search for the constituent (by email address)
- If a single record was found
- Extract the email body and record the text as an action in Raiser's Edge NXT



# Create an action

- *The Constituent ID comes from the search results*
- *The date comes from when the email was received*
- *The action note is the email body text extracted from the Html*

*By itself, this is a really great feature...BUT...*

Create a constituent action (Preview)

* Constituent ID	Outputs x
* Category	Email v
* Date	Received Time x
Completed?	Is the action completed? If the system is configured to use custom action v
Completed on	The date when the action was completed (ex: '2020-09-18T04:13:56Z').
Note	The plain text c... x
Status	The action status. v
Summary	Email from Outputs x
Type	Additional description of the action to complement the category. v

Show advanced options v

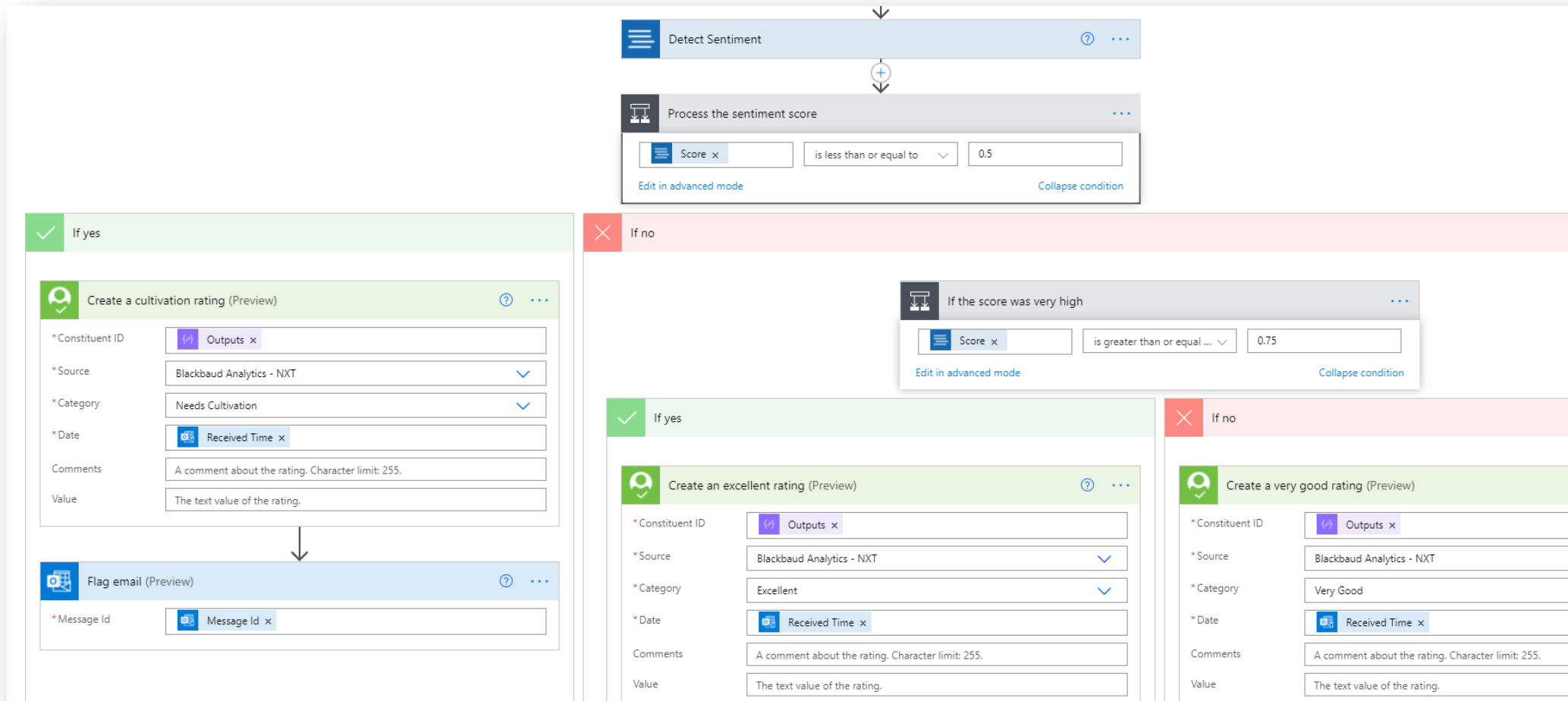


*Go even further!*



*“Perform sentiment analysis on the email and use the score to assign a new constituent rating”*

# Create a constituent rating based on the score



# What about outgoing emails?

- *Automatically record emails you send to constituents as actions on the constituent record*
- *Trigger the flow when a new email arrives in your “Sent items” folder*
- *Perform the constituent search using the “To:” email address*

The screenshot displays a workflow configuration interface. The top step, titled "When a new email arrives", has a folder dropdown menu set to "Sent Items". Below this step is a downward-pointing arrow. The second step, titled "Search for a constituent (Preview)", has a search text field containing "To". Both steps include a "Show advanced options" link with a downward arrow.

## *Customer scenario: Notify fundraisers about new actions*

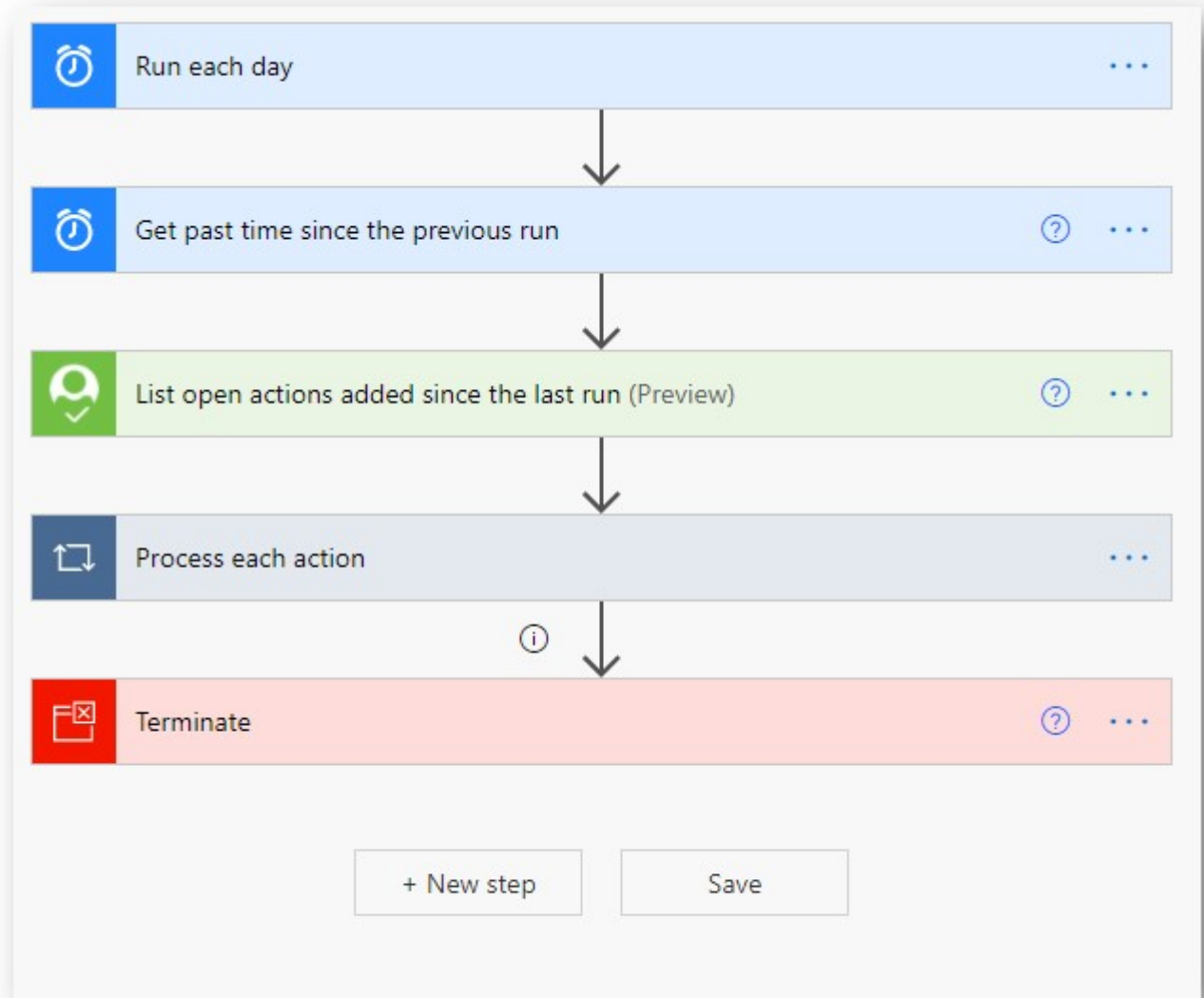


*“When an action (of a specific type) is added to a prospect (with a specific status), send an email notification to the prospect’s current and former relationship manager fundraisers”*



# Overview

- *Each day, look for actions added since the last run*
- *For each action, look up the constituent's assigned fundraisers*
- *Send each fundraiser an email to let them know an action was added for one of their assigned constituents*



# Initial trigger

- *Run each day at a specified time*
- *Calculate the time window since the last run*
- *List open actions added since the last run*

The screenshot displays a workflow configuration interface with three steps connected by downward arrows:

- Step 1: Run each day**
  - Interval: 1
  - Frequency: Day
  - Link: [Show advanced options](#)
- Step 2: Get past time since the previous run**
  - Interval: 1
  - Time unit: Day
- Step 3: List open actions added since the last run (Preview)**
  - List: Defines a list identifier used to filter the set of actions to those included in it
  - Computed status: Open
  - Status: Represents an action status code to filter the results (only applicable when the s
  - Limit: Represents the number of records to return. The default is 500. The maximum is:
  - Offset: Represents the number of records to skip. For use with pagination.
  - Added on or after: Past time
  - Modified on or after: Filter the results to actions modified on or after the specified date (ex: '2020-09
  - Link: [Hide advanced options](#)

# Filter action types

- *Express any complex filter logic needed*
- *Rich Boolean logic is possible through the Condition action*

The screenshot displays a workflow editor window titled "Process each action". At the top, there is a selection field for "value x" with a refresh icon. Below this, a configuration box titled "Filter based on the action type" is shown. It features an "Or" dropdown menu and two conditions, each with a checkbox and a refresh icon. The first condition is "Type x is equal to Lunch Meeting" and the second is "Type x is equal to Dinner Meeting". An "Add" button is located below these conditions. Below the filter configuration, there are two outcome paths: a green bar labeled "If yes" and a red bar labeled "If no". The "If no" path contains an "Add an action" button. At the bottom of the editor, there is another "Add an action" button.

# Filter prospect status

- *Determine the constituent's prospect status*
- *Apply filters based on the prospect status*

The screenshot displays a workflow builder interface. At the top, a green bar contains a checkmark and the text "If yes". Below this, a red-bordered box titled "Get a constituent prospect status (Preview)" contains a search field for "Constituent ID" with a green checkmark icon and a close button. An arrow points down to a grey-bordered box titled "Filter based on prospect status". This box contains a filter configuration area with an "Or" dropdown menu. Two filter conditions are listed, each with a checkbox, a "Status" field, a "is equal to" operator, and a value field ("Cultivation" and "Negotiation" respectively). An "Add" button is at the bottom of the filter configuration. Below the filter box, there are two horizontal bars: a green one with a checkmark and "If yes" on the left, and a red one with an "X" and "If no" on the right. At the bottom center, there is a blue "Add an action" button.

# Filter by fundraiser type

- *List the constituent's fundraiser's*
- *Apply filters based on the fundraiser type*

The screenshot displays a workflow builder interface. At the top, a step titled "List constituent fundraiser assignments (Preview)" is shown with input fields for "Constituent ID" and "Include inactive?". Below this is a connector with a plus sign and a downward arrow. The main workflow area is titled "Apply to each" and contains a selection box for "value x". A "Filter by fundraiser type" step is highlighted, showing an "Or" condition with two criteria: "Type x is equal to Relationship Manager" and "Type x is equal to Former Relationship Manager". Below the filter are two conditional paths: "If yes" (green) and "If no" (red). At the bottom, there is an "Add an action" button.

# Notify the fundraiser

- *Get the email address from the fundraiser's constituent record*
- *Send an email to the fundraiser, including a link to the action within NXT*

The screenshot displays a workflow step titled "If yes" with a green checkmark icon. Below the title, there are two main sections:

- Get the fundraiser (Preview):** This section has a header with a person icon and a question mark. It contains two input fields: "\* Constituent ID" and "Fundraiser ID x".
- Send an email to the fundraiser:** This section has a header with an envelope icon and a question mark. It contains three main fields:
  - \* To:** "Primary email ... x"
  - \* Subject:** "An action has been added to one of your prospects"
  - \* Body:** A rich text editor with a toolbar (Font, 12, Bold, Italic, Underline, Link, Unlink, Code) and the following content:

Dear [First name x],

A new action has been added to one of your assigned prospect records!

[https://host.nxt.blackbaud.com/constituent-actions/records/\[ID x\]?svcid=renxt&envid=p-12345fLPKk2a\\_nZYGhwFfa](https://host.nxt.blackbaud.com/constituent-actions/records/[ID x]?svcid=renxt&envid=p-12345fLPKk2a_nZYGhwFfa)

At the bottom of the email configuration section, there is a link "Show advanced options" with a downward arrow. At the very bottom of the workflow step, there is a button "Add an action" with a downward arrow icon.

# Email notification



An action has been added to one of your prospects



Microsoft Power Apps and Power Automate <microsoft@powerapps.>  
To Ben Lambert

Reply

Reply All

Forward



Sat 04/17/2021 10:00 AM

Dear Benjamin,

A new action has been added to one of your assigned prospect records!

[https://host.nxt.blackbaud.com/constituent-actions/records/21385?svcid=renxt&envid=p-12345fLPk2a\\_nZYGhwFfa](https://host.nxt.blackbaud.com/constituent-actions/records/21385?svcid=renxt&envid=p-12345fLPk2a_nZYGhwFfa)

If you want to unsubscribe from these emails, please use this [form](#).



## *Customer scenario: Notify fundraisers about new gifts*

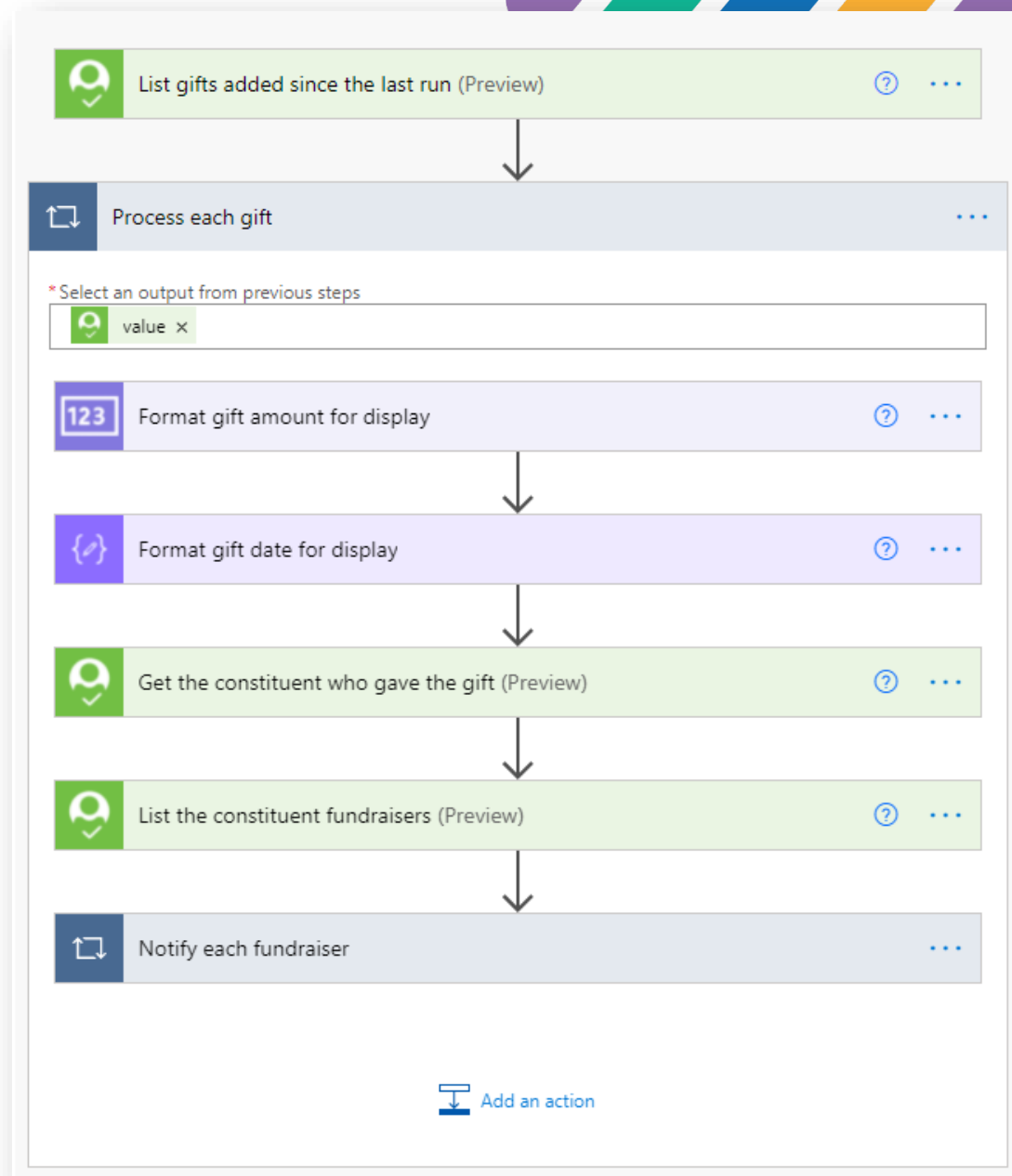


*“Notify a constituent’s assigned fundraiser(s) when a gift is given.”*



# Overview

- *Each day, look for gifts added since the last run*
- *For each gift, look up the constituent's assigned fundraisers*
- *Send each fundraiser an email to let them know a gift was received from one of their assigned constituents*



# Notify the fundraiser

- Load each fundraiser's constituent record to get the email address
- Create an open action on the fundraiser's constituent record so it shows up in the Work Center area
- Send an email to the fundraiser, including a link in NXT to the gift that was received.

Makes your CRM work smarter – fundraisers (and their managers) see this activity when logged into Raiser's Edge NXT!

The screenshot shows a workflow builder interface titled "Notify each fundraiser". The workflow consists of three main steps:

- Get the fundraiser (Preview)**: This step receives an input "value x" from a previous step.
- Create an open action for the fundraiser (Preview)**: This step follows the first step.
- Send an email notification to the fundraiser**: This step follows the second step and is currently selected. It has the following configuration:
  - To**: Primary email ... x ; ;
  - Subject**: New gift received
  - Body**:
    - Font: 12, Bold, Italic, Underline, Text color, Background color, Bulleted list, Numbered list, Indent, Outdent, Link, Unlink, Source code.
    - Dear Name x ,
    - Great news - one of your assigned constituents has given a gift!
    - Constituent name: Name x
    - Gift date: Outputs x
    - Type: Type x
    - Amount: Formatted number x
    - Click here to view the gift details in Raiser's Edge NXT:  
[https://host.nxt.blackbaud.com/gift/page/?ID=x&svcid=renxt&envid=p-12KCIfLPKk2a\\_nZYGhwHdb](https://host.nxt.blackbaud.com/gift/page/?ID=x&svcid=renxt&envid=p-12KCIfLPKk2a_nZYGhwHdb)

At the bottom of the interface, there is a "Show advanced options" link and an "Add an action" button.

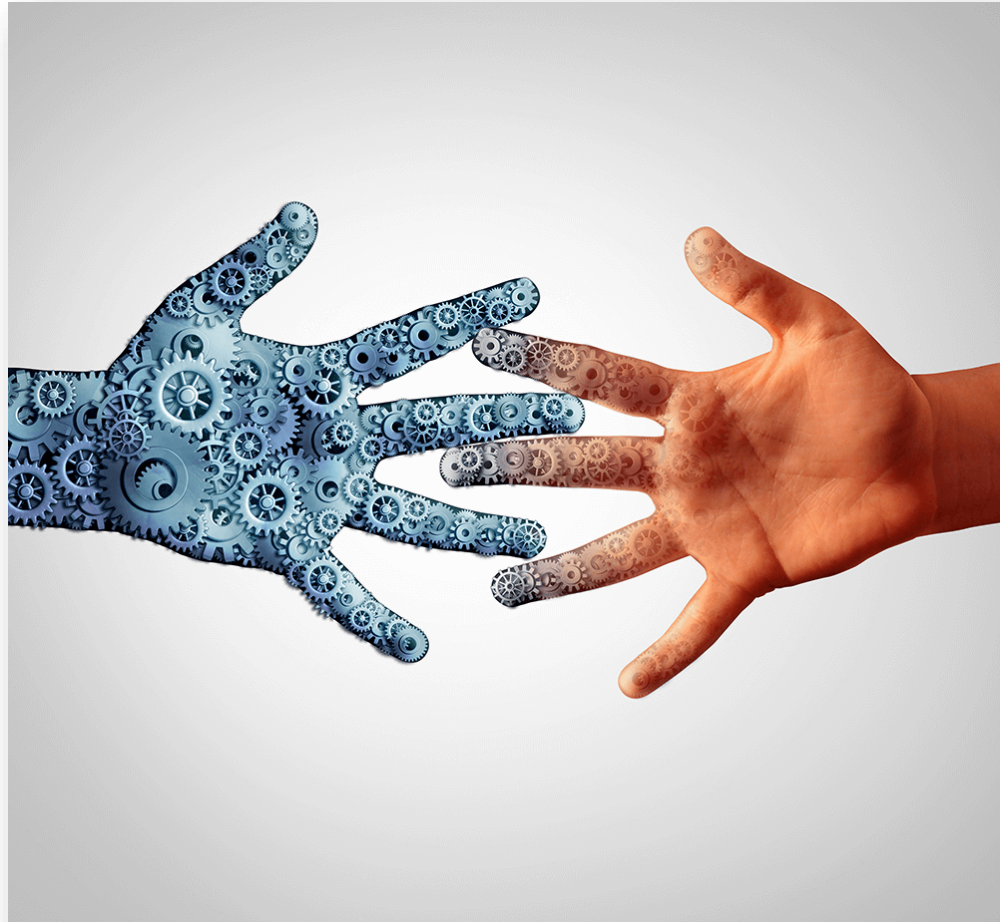


## *Customer scenario: Thank-you processing*



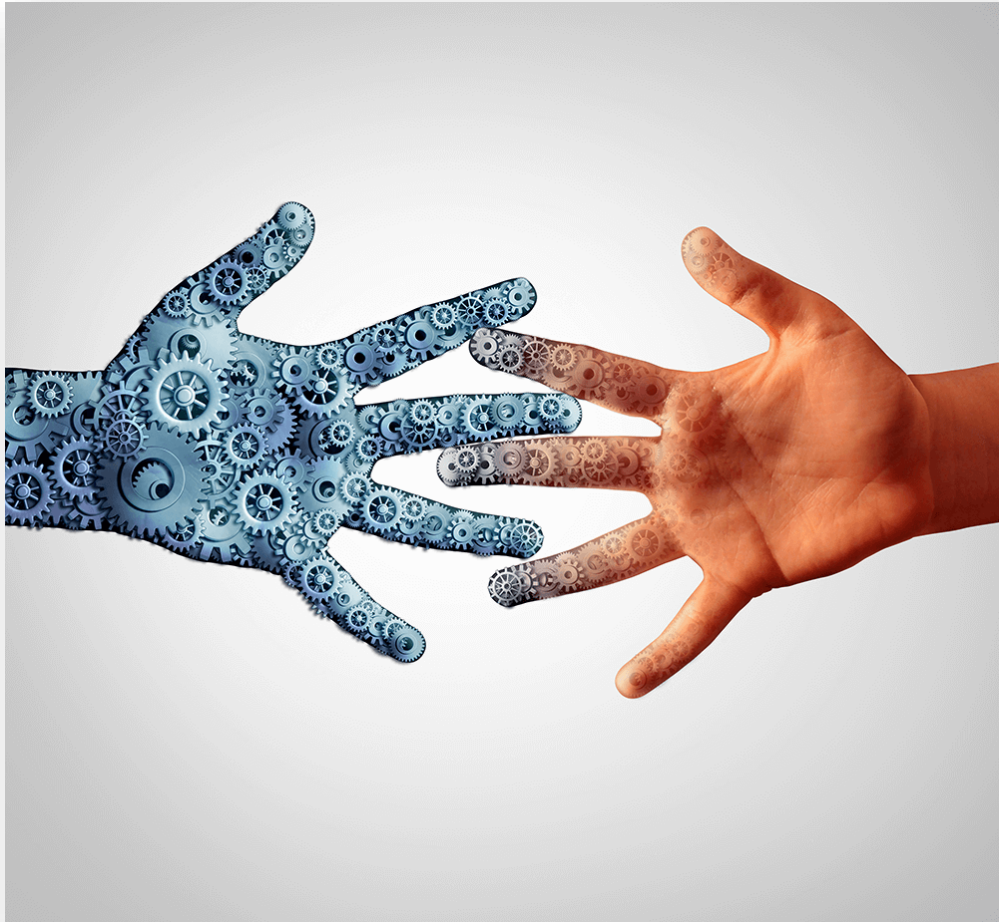
*“Thank a donor when a gift is given by sending them an email (if allowed) or by making a phone call (if no email defined), or by sending a handwritten letter (if an address is available).”*

# Human Interaction!



- *Sometimes, it's not "good enough" to just send a notification, we need the flow to engage a human to take some action.*
- *The flow must pause and wait for that action to be completed before continuing (and potentially branch logic based on the outcome of the action)*
- *This "pause and wait for a human" can be implemented using a "Approval task"*

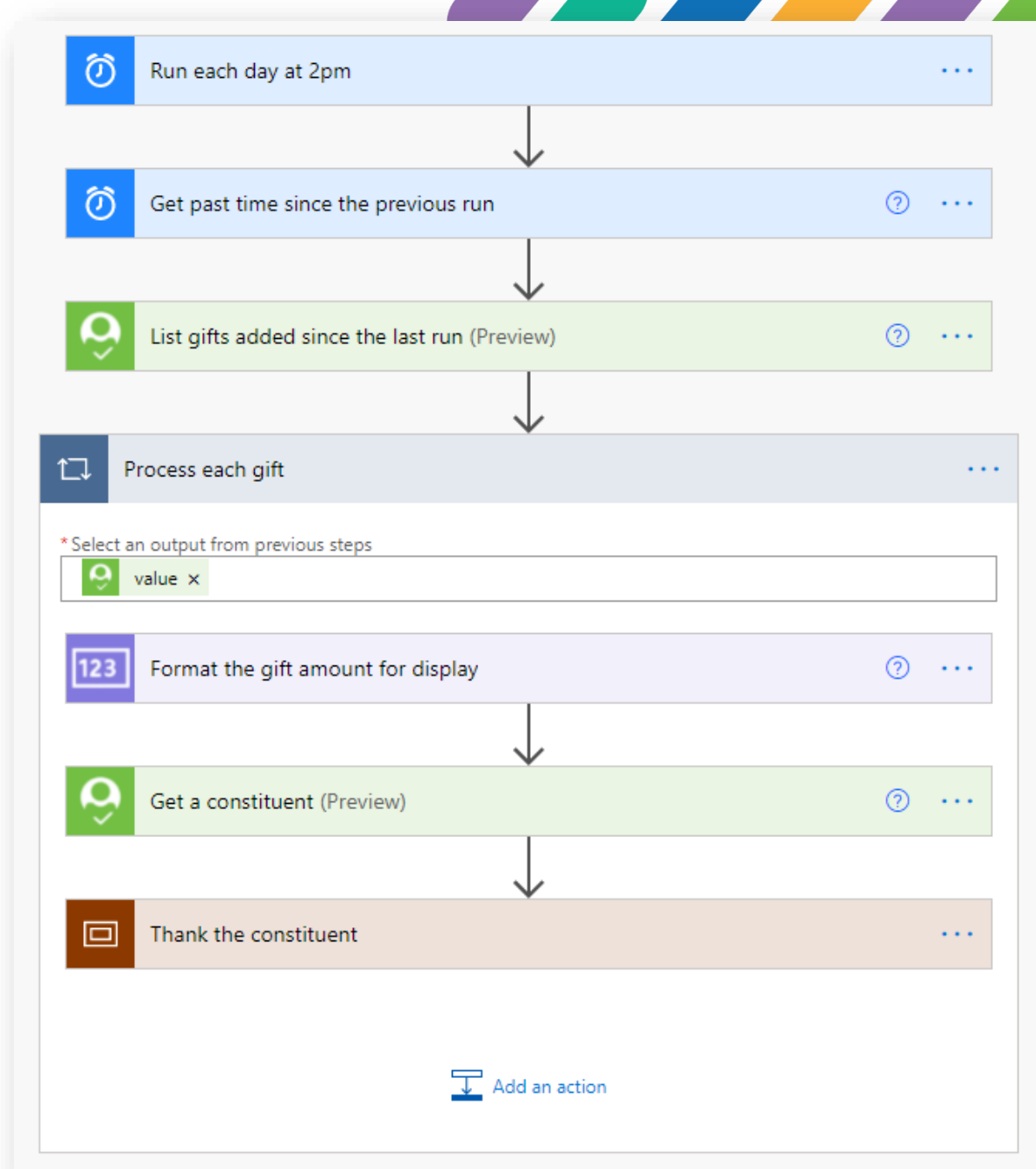
# Human Interaction!



- *Sending an email can be automated*
- *But a human must “make a phone call” or “send a hand-written letter”*
- *This may take a few days to complete (vacation, workload, etc.)*

# Overview

- *Each day, list the gifts added since the last run (filter to only **Not Acknowledged** gifts)*
- *If the constituent has an active email (not marked as **Do Not Email**), send an automatic email thank-you*
- *Otherwise, if the constituent has an active phone (not marked as **Do Not Call**), assign a task to someone to make a thank-you call*
- *Otherwise, if the constituent has an active address (not marked as **Do Not Mail**), assign a task to someone to send a handwritten thank-you letter*



# Conditions

- *Does the constituent have an active email?*
- *Does the constituent have an active phone number?*
- *Does the constituent have an active address?*

The image displays three overlapping screenshots of a CRM interface's condition builder. Each window shows a logical structure starting with an 'And' dropdown and a list of conditions. The top window, 'If the constituent has an active email', has one condition: 'Check if the constituent has a valid email address that is active and not flagged as Do Not Email'. The middle window, 'If the constituent has an active phone', has one condition: 'Check if the constituent has a valid phone number that is active as not flagged as Do Not Call'. The bottom window, 'If the constituent has an active address', has three conditions: 'Preferre... is not equal to null', 'Preferre... is not equal to false', and 'Preferre... is not equal to false'. Each window includes a '+ Add' button at the bottom.

# For an active email...

- *If the constituent has an active email (not marked as **Do Not Email**), send an automatic email thank-you*
- *Record the email sent as a “Completed” action*
- *No human interaction needed for this branch*

The screenshot displays a workflow editor with two steps. The first step, titled "Send a thank you email", includes fields for "To" (Primary email ...), "Subject" (Thank you for your gift!), and "Body" (Dear Name, Thank you for your generous gift of Formatted number!). The second step, titled "Record the email sent as a completed action (Preview)", includes fields for "Constituent ID" (ID), "Category" (Email), "Date" (utcNow()), "Completed?" (Yes), "Completed on" (utcNow()), "Note" (Dear Name, Thank you for your generous gift of Formatted nu...), "Status" (Completed), "Summary" (Thank You Email), and "Type" (Thank You). An arrow points from the first step to the second. At the bottom, there is a button labeled "Add an action".



# For an active phone...

- If the constituent has an active email (not marked as **Do Not Email**), create an “Open” action in NXT
- Assign a task to another staff member to call the constituent to say thank you
- Wait until the task is Completed, then update the action to be “Completed”, and include any notes captured when performing the task (known as “responses”)

The screenshot displays a workflow in the NXT system, consisting of four sequential steps:

- Create an open action for the thank you call (Preview)**: The initial step, shown in a green header.
- Assign staff a task to make a thank you call**: The main configuration step, shown in a purple header. It includes:
  - Approval type**: Custom Responses – Wait for one response
  - Response options Item**: A list with one item, "Completed", and an "Add new item" button.
  - Title**: Please make a thank you call
  - Assigned to**: Ben.Lambert@blackbaud.com;
  - Details**: Please call [Name] at [Primary phone ...] to say "thank you" for donating [123] Formatted nu... .
  - Item link**: [https://host.nxt.blackbaud.com/gift/page/\[ID\]?svcid=renxt&envid=p-12KCifLPKk2a\\_nZYGhwHdb](https://host.nxt.blackbaud.com/gift/page/[ID]?svcid=renxt&envid=p-12KCifLPKk2a_nZYGhwHdb)
  - Item link description**: View the gift from [Name]
  - Show advanced options**: A dropdown arrow.
- Capture the task response**: The step to capture feedback, shown in a purple header.
- Mark the action as completed (Preview)**: The final step, shown in a green header.

## For an active address...

- If the constituent has an active address (not marked as **Do Not Mail**), create an “Open” action in NXT
- Assign a task to another staff member to send a handwritten thank-you letter.
- Wait until the task is Completed, then update the action to be “Completed”, and include any notes captured when performing the task (known as “responses”)

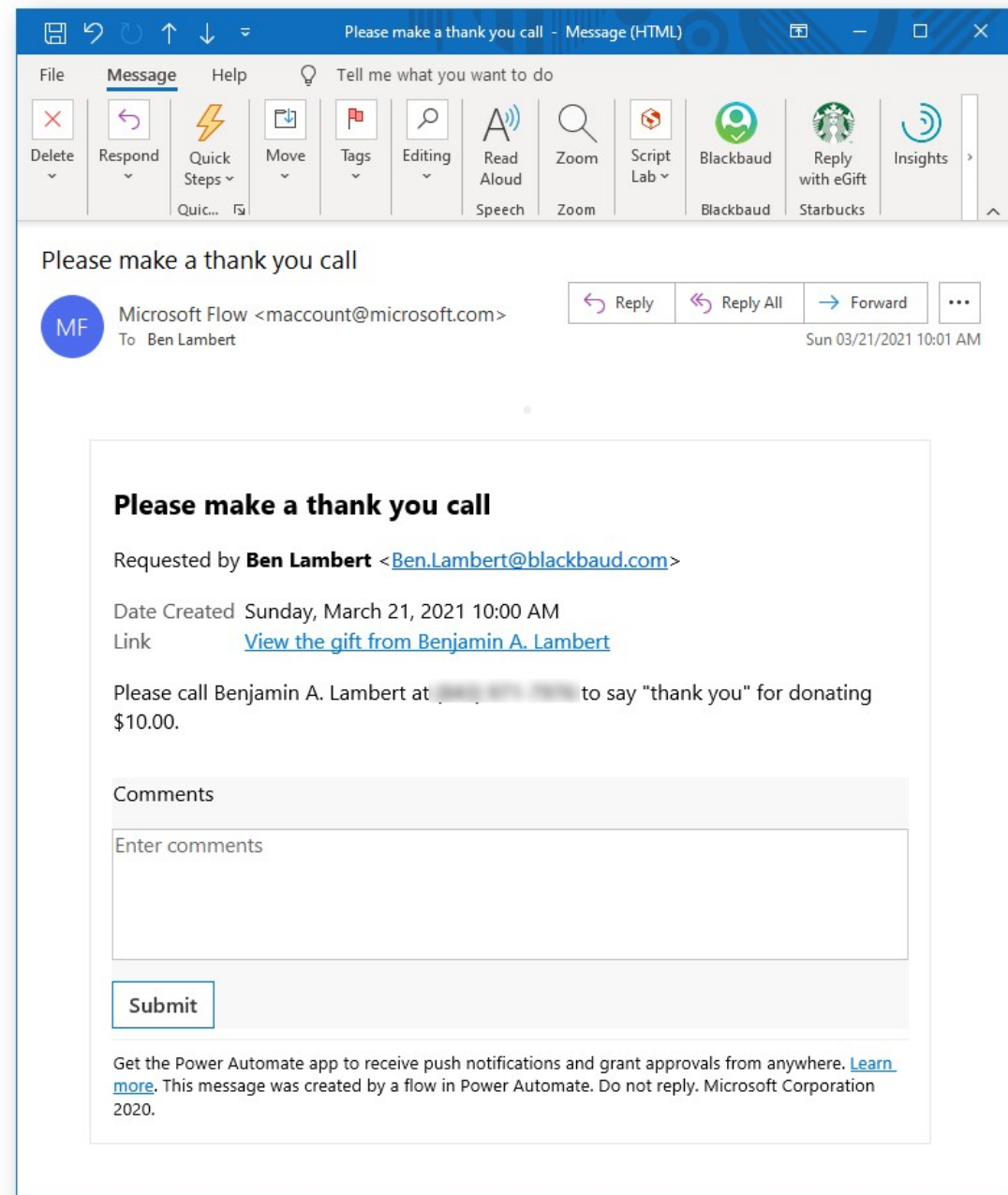
The screenshot displays a workflow in the NXT system. It starts with a green action card: "Create an open action for the thank you letter (Preview)". An arrow points down to a purple action card: "Assign staff a task to write a thank you letter". This card contains the following fields:

- \*Approval type:** Custom Responses – Wait for one response
- \*Response options Item:** A list with one item "Completed" and an "Add new item" button.
- \*Title:** Please write a thank you letter
- \*Assigned to:** Ben.Lambert@blackbaud.com;
- Details:** Please send [Name] a hand-written letter to say "thank you" for donating [Formatted nu...]. Send the letter to: [Preferred addr...]
- Item link:** https://host.nxt.blackbaud.com/gift/page/[ID]?svcid=renxt&envid=p-12KCifLPKk2a\_nZYGhwHdb
- Item link description:** View the gift from [Name]

A "Show advanced options" link is visible below the details. An arrow points down to a purple action card: "Compose". A final arrow points down to a green action card: "Mark the action as completed 2 (Preview)".

# Approval email

- *Power Automate approvals automatically result in an email, with the approval task in the body of the email*
- *The recipient of the task can complete the task right from the email – no need to be a Power Automate user.*
- *The task can be completed with additional comments, which are available to downstream steps in the flow.*



The screenshot shows an email client window titled "Please make a thank you call - Message (HTML)". The interface includes a menu bar with "File", "Message", and "Help", and a toolbar with various actions like "Delete", "Respond", "Quick Steps", "Move", "Tags", "Editing", "Read Aloud", "Zoom", "Script Lab", "Blackbaud", "Reply with eGift", and "Insights".

The email content is as follows:

**Please make a thank you call**

Requested by **Ben Lambert** <[Ben.Lambert@blackbaud.com](mailto:Ben.Lambert@blackbaud.com)>

Date Created Sunday, March 21, 2021 10:00 AM  
Link [View the gift from Benjamin A. Lambert](#)

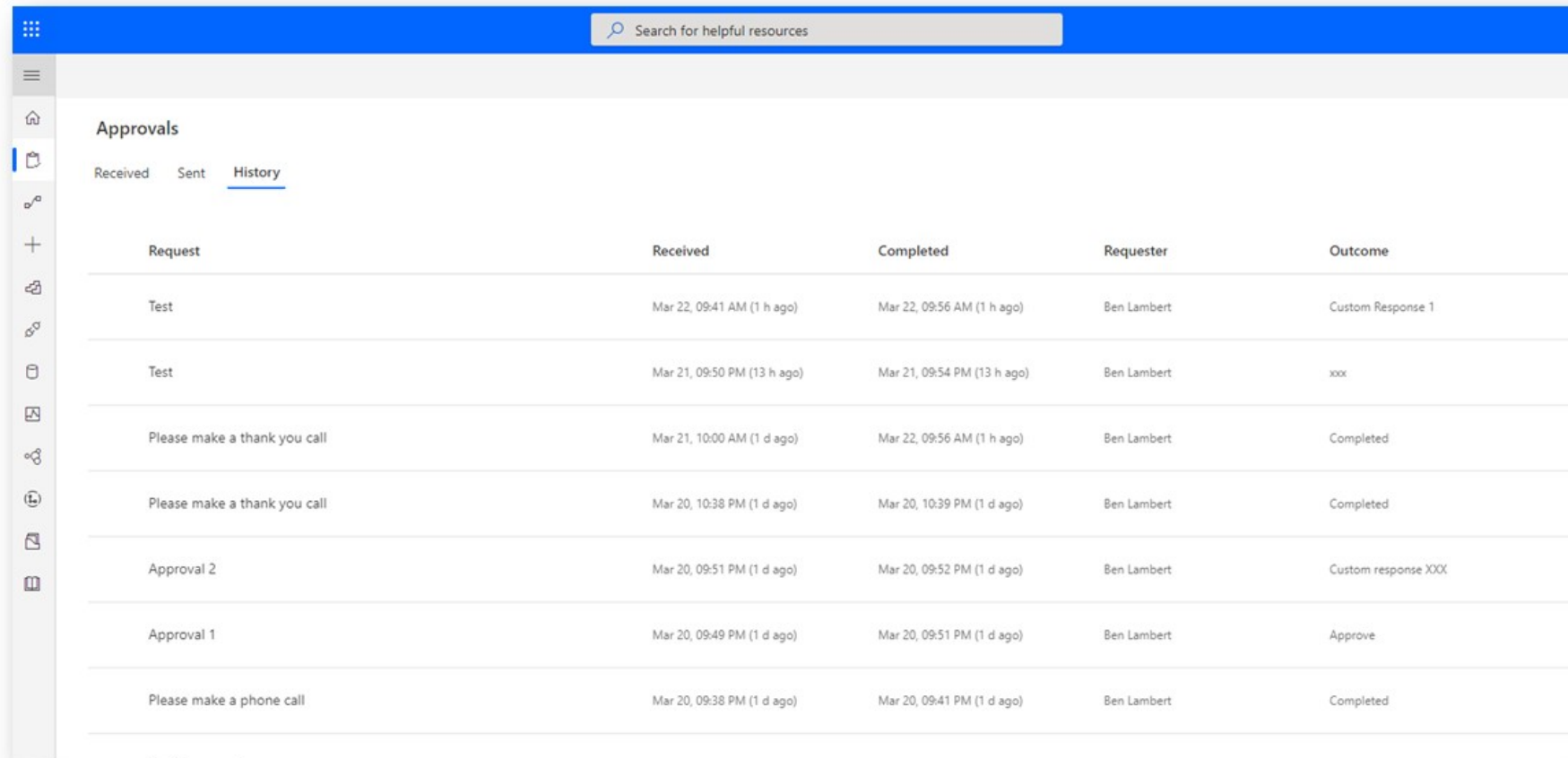
Please call Benjamin A. Lambert at [REDACTED] to say "thank you" for donating \$10.00.

Comments

Enter comments

Get the Power Automate app to receive push notifications and grant approvals from anywhere. [Learn more](#). This message was created by a flow in Power Automate. Do not reply. Microsoft Corporation 2020.

# Approvals show up in Power Automate



The screenshot displays the 'Approvals' section in Power Automate. It features a search bar at the top and a navigation menu on the left. The main content area shows a table with columns for Request, Received, Completed, Requester, and Outcome. The table lists several approval requests, including 'Test', 'Please make a thank you call', 'Approval 2', 'Approval 1', and 'Please make a phone call'.

Request	Received	Completed	Requester	Outcome
Test	Mar 22, 09:41 AM (1 h ago)	Mar 22, 09:56 AM (1 h ago)	Ben Lambert	Custom Response 1
Test	Mar 21, 09:50 PM (13 h ago)	Mar 21, 09:54 PM (13 h ago)	Ben Lambert	xxx
Please make a thank you call	Mar 21, 10:00 AM (1 d ago)	Mar 22, 09:56 AM (1 h ago)	Ben Lambert	Completed
Please make a thank you call	Mar 20, 10:38 PM (1 d ago)	Mar 20, 10:39 PM (1 d ago)	Ben Lambert	Completed
Approval 2	Mar 20, 09:51 PM (1 d ago)	Mar 20, 09:52 PM (1 d ago)	Ben Lambert	Custom response XXX
Approval 1	Mar 20, 09:49 PM (1 d ago)	Mar 20, 09:51 PM (1 d ago)	Ben Lambert	Approve
Please make a phone call	Mar 20, 09:38 PM (1 d ago)	Mar 20, 09:41 PM (1 d ago)	Ben Lambert	Completed

# Approvals show up in Microsoft Teams

The screenshot shows the Microsoft Teams interface with the 'Approvals' section open. A modal window titled 'Approvals' displays the details of an approval request. The request is for 'Please make a thank you call' and has a 'Completed' status. The modal includes the following information:

- Request title:** Please make a thank you call
- Final status:** Completed
- Attachments:** View the gift from Benjamin A. Lambert (https://host.nxt.blackbaud.com/gift/page/7365?svcid=renxt&envid=...)
- Final status:** Completed
- Responded:** Completed by Ben Lambert (1h ago)
- Requested by:** Ben Lambert (Yesterday at 10:00 AM)

The background shows the 'Approvals' list with columns for 'Received', 'Sent', 'Request title', and 'Status'. The 'Received' and 'Sent' columns both show a count of 17. The 'Request title' column contains various test requests, and the 'Status' column shows 'Approved' and 'Rejected'.



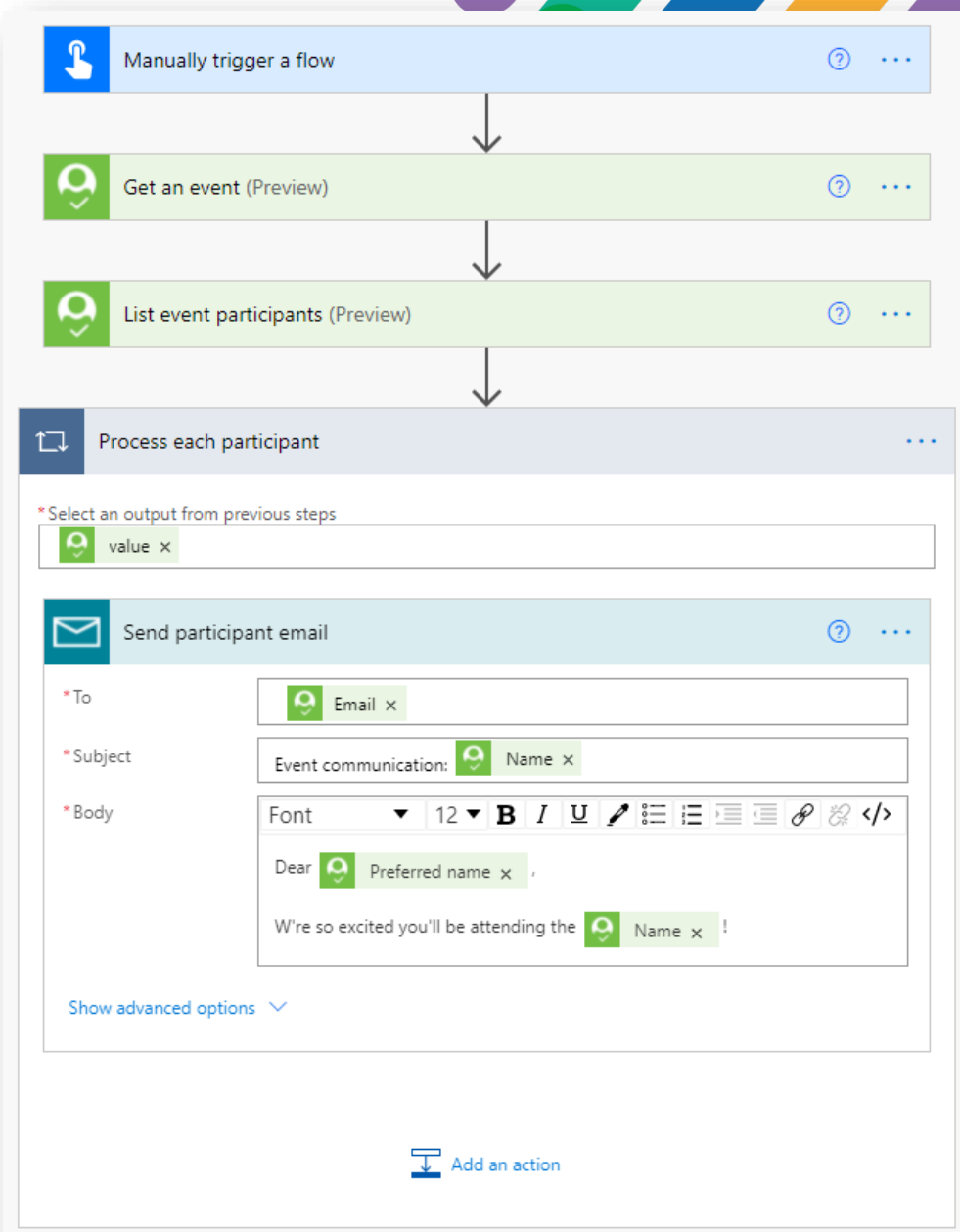
## *Customer scenario: Event participant emails*



*“As an Event Coordinator, how can I quickly and easily communicate with participants who are registered for an event?”*

# Overview

- *Manually triggered*
- *List the event participants (can filter by RSVP status, participation level, etc.)*
- *Send each participant an email with the desired content (can branch content based on other criteria)*
- *Good approach for quick/easy email functionality for smaller numbers of participants*
- *Not suitable for sending thousands of emails (better options exist, like the MailChimp connector)*





*Take it to the next level!*

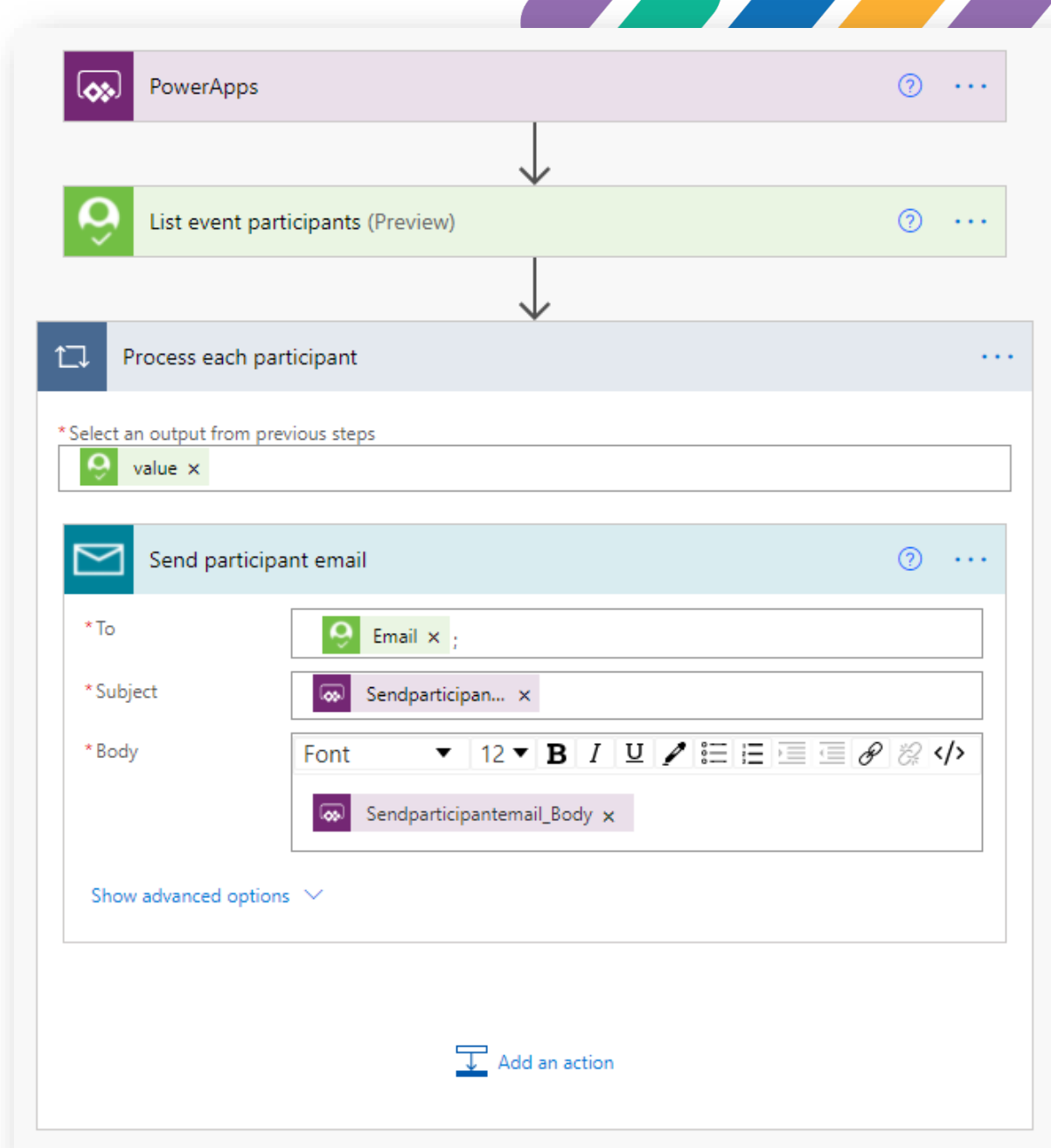


*Build a Power App to serve as a front-end user experience that drives a Power Automate flow as the back-end*



# Enhanced flow

- *This flow will be triggered by a Power App*
- *The basic steps are the same, list participants for the event and send each participant an email*
- *The event ID, email subject, and email body are now parameters that will be provided to the flow by the Power App!*



# Power Apps designer

- *Easy to use WYSIWYG drag/drop design-time interface*
- *Clicking the button invokes the flow, providing the event ID, email subject, and email body as parameters*

The screenshot displays the Power Apps designer interface for an application titled "Email event participants". The top navigation bar includes "File", "Home", "Insert", "View", and "Action". The ribbon contains various formatting and layout options such as "New screen", "Theme", "Open Sans", "15", "B", "U", "A", "Fill", "Border", "Reorder", "Align", and "Group".

The main canvas shows a button labeled "btnSend" with the following configuration:

- OnSelect:** `Emaileventparticipants.Run(Param("context_recordId"), txtSubject.Text, rtbEmailBody.HtmlText)`
- Text:** Send
- Display mode:** Edit
- Visible:** On (toggle)
- Position:** X: 563, Y: 402
- Size:** Width: 160, Height: 40
- Padding:** Top: 5, Bottom: 5, Left: 5, Right: 5
- Color:** Blue
- Border:** 2
- Border radius:** 10
- Font:** Open Sans
- Font size:** 15
- Font weight:** B Semibold
- Font style:** /, U, B

The canvas content includes a text block: "This Power App will send an email to all participants for the event". Below this is a form with a "Subject" field containing "The email subject" and an "Email" field with a rich text editor. A "Send" button is positioned at the bottom right of the form. Below the form, there is a note: "These represent context values provided by the Blackbaud host application".

The "Tree view" on the left shows the app structure:

- App
  - Screen1
    - lblEnvironmentId
    - Label2\_1
    - Label2
    - lblContext
    - rtbEmailBody
    - Icon1
    - btnSend
    - lblMessage
    - lblSubject
    - txtSubject

# Power App as a SKY Add-in

- *Now presented in-product contextually tied to the “current” event record being viewed.*
- *The end-user can provide the email subject/body and click Send, which will invoke the Power Automate flow which will email the event participants!*

*All possible without a SINGLE LINE of code!*

The screenshot shows the Raiser's Edge NXT interface. At the top, there's a navigation bar with 'Raiser's Edge NXT', 'Home', 'Fundraising', 'Marketing', 'Events', 'Lists', 'Analysis', 'Tools', and 'Control panel'. The main content area is titled 'Quarantine Dinner Party' with the date and time '12/6/2020'. Below this, there are 'Edit' and 'Add-ins' buttons. The 'Add-ins' section is expanded to show a Power App titled 'Email event participants'. An orange arrow points to this add-in. The Power App interface includes a description: 'This Power App will send an email to all participants for the event'. It has a 'Subject' field with the value 'Quarantine dinner party update' and an 'Email' field with a rich text editor containing 'Hi, We are looking forward to seeing you next week at the dinner party!'. Below the email field, there are context values: 'Environment ID: p-TTKCifLPKk2a\_nZYGhwHdA' and 'Context record ID: 24'. A 'Send' button is at the bottom right of the Power App. The background interface shows event details, a participants table, and a fees section.

Event details			
ID	Category	Event goal	Capacity
126911528799		\$0.00	No capacity found

Participants			
Work with participants			
Pre-event			
1	0	0	0
Invited	Attending	Not attending	Interested
Post-event			
0	0		
Attended	No show		

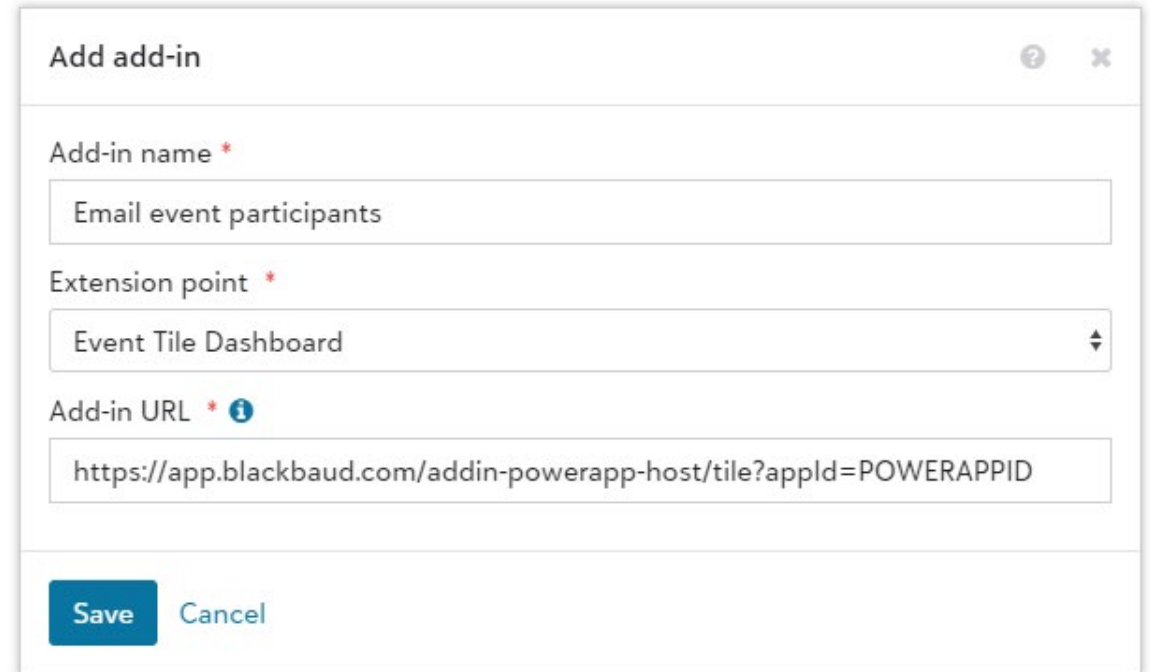
Fees	
0	0
Attended	No show

# Power App Host SPA

- Embrace the “Citizen developer” spirit by removing a step that previous required a developer (build and deploy a website to host the Power App)
- A single-page-application (SPA), built and deployed by Blackbaud, that you can configure to host an app built using Power Apps.
- Handles wiring up the “context” from the host application (ex: current record ID = 280) to the app

Documentation:

<https://docs.blackbaud.com/microsoft-connectors-docs/microsoft-power-platform/power-apps/power-app-addins>



The screenshot shows a dialog box titled "Add add-in" with a close button (X) and a help button (?). It contains three input fields:

- Add-in name \***: A text input field containing "Email event participants".
- Extension point \***: A dropdown menu with "Event Tile Dashboard" selected.
- Add-in URL \* i**: A text input field containing "https://app.blackbaud.com/addin-powerapp-host/tile?appld=POWERAPPID".

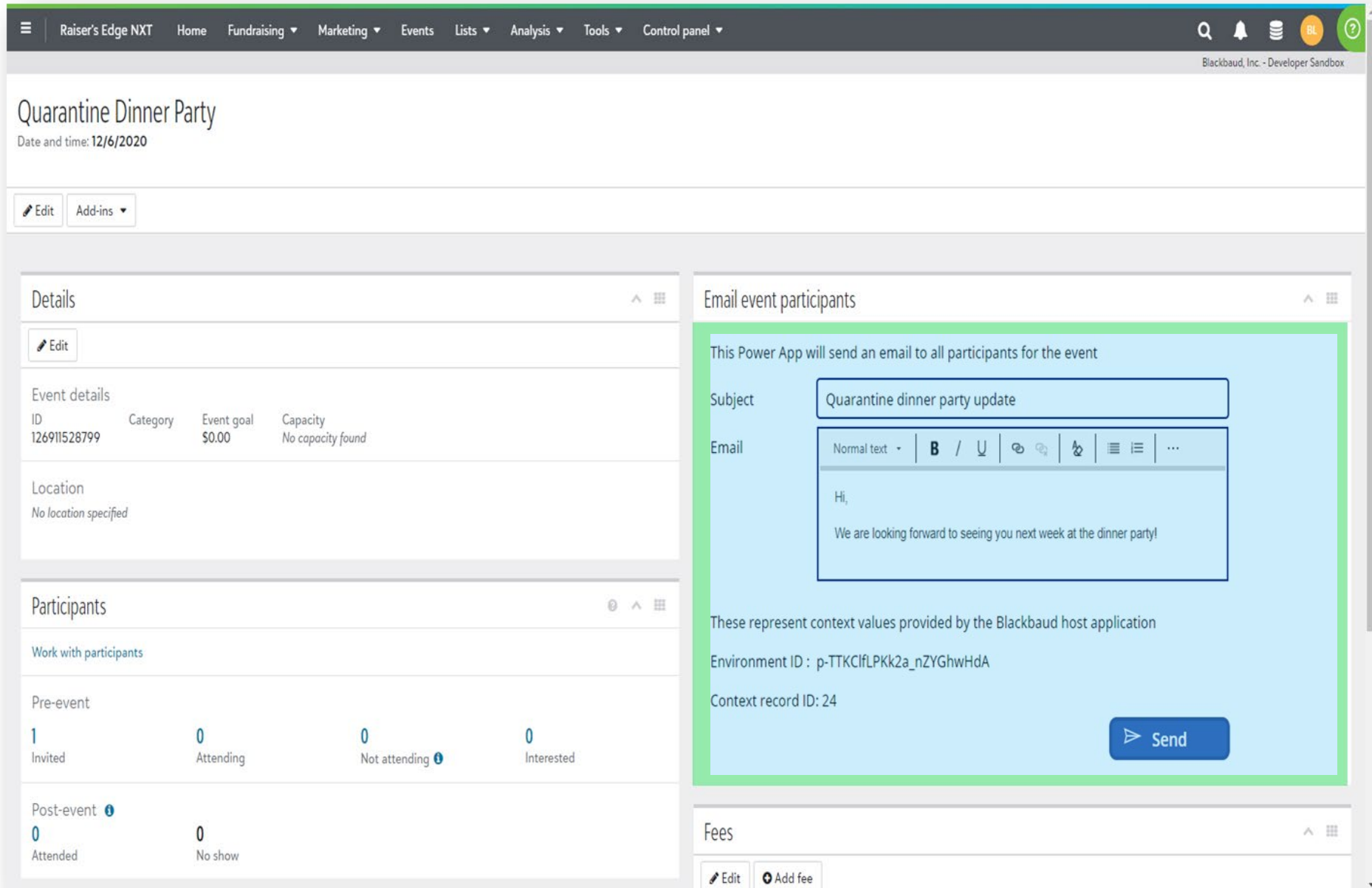
At the bottom of the dialog are two buttons: "Save" (highlighted in blue) and "Cancel".

# Anatomy

 Blackbaud host application

 Power App Host SPA

 Power App



The screenshot displays the Blackbaud Raiser's Edge NXT interface. At the top, the navigation bar includes 'Raiser's Edge NXT', 'Home', 'Fundraising', 'Marketing', 'Events', 'Lists', 'Analysis', 'Tools', and 'Control panel'. The main content area is titled 'Quarantine Dinner Party' with a date and time of '12/6/2020'. Below this, there are 'Edit' and 'Add-ins' buttons.

The interface is divided into several sections:

- Details:** Contains an 'Edit' button and event information: ID 126911528799, Category, Event goal \$0.00, and Capacity 'No capacity found'. The location is listed as 'No location specified'.
- Participants:** Shows 'Work with participants' options and a summary table:

Pre-event			
1	0	0	0
Invited	Attending	Not attending	Interested

Post-event	
0	0
Attended	No show
- Email event participants:** A configuration window for sending an email. The subject is 'Quarantine dinner party update'. The email body contains: 'Hi, We are looking forward to seeing you next week at the dinner party!'. Below the email content, context values are provided: 'Environment ID : p-TTKClfLPKk2a\_nZYGhwHdA' and 'Context record ID: 24'. A 'Send' button is at the bottom right.
- Fees:** A section at the bottom with 'Edit' and 'Add fee' buttons.

# Show a flyout

Use:

```
buttonAction=Flyout
```

Design vertical content contextually bound to the current record being viewed in the UI.

The screenshot shows a Power App interface for 'Quarantine Dinner Party' with a flyout menu open. The main screen displays event details, fees, and participant statistics. The flyout menu is an email composition screen with a subject field, a rich text editor, and a 'Send' button. An orange arrow points to the 'Add-ins' dropdown in the main app, and another orange arrow points to the 'Add' button in the flyout menu.

**Quarantine Dinner Party**  
Date and time: 12/6/2020

**Details**

Lookup ID	Category	Event goal	Capacity
126911528799		\$0.00	No capacity found

**Location**  
No location specified

**Participants**

Pre-event	Attending	Not attending	Interested
1 Invited	0	0	0

**Post-event**

Attended	No show
0	0

**Fees**

Fee Name	Amount
Dinner fee	\$30.00 (\$5)

**Online registra**

**Participant opt**

This Power App will send an email to all participants for the event

Subject: The email subject

Email: [Rich text editor]

These represent context values provided by the Blackbaud host application

Environment ID: p-TTKClfLPKk2a\_nZYGhwHdA

Context record ID: 24

**Send**

# Show a modal

Use:

```
buttonAction=Modal
```

Modal size can be small, medium, large, or even full-page for maximum real estate usage!

The screenshot displays a Power App interface for 'Raiser's Edge NXT' with a modal dialog titled 'Email event participants' open. The background app shows details for a 'Quarantine Dinner Party' event on 12/6/2020, including event details, location, and participant statistics. The modal dialog contains a text area for the subject (pre-filled with 'The email subject'), a rich text editor for the email body, and a 'Send' button. Context values provided by the Blackbaud host application are also visible in the modal.

**Event Details:**

Lookup ID	Category	Event goal	Capacity
126911528799		\$0.00	No capacity found

**Participant Statistics:**

Pre-event	Invited	Attending	Not attending	Interested
1	0	0	0	0

**Post-event:**

Attended	No show
0	0



## Summary

*The SKY Developer ecosystem and the tools within the Microsoft Power Platform can help transform your office into a “connected office”, allowing you to work more efficiently and spend more time on your mission.*





## Learn More

Visit the SKY Developer Portal

<https://developer.blackbaud.com>

Engage with the SKY Developer Community

<https://community.blackbaud.com/developer>

Learn about the Power Platform connector

<https://docs.blackbaud.com/microsoft-connectors-docs>

Power App Host SPA docs:

<https://docs.blackbaud.com/microsoft-connectors-docs/microsoft-power-platform/power-apps/power-app-addins>



#bbdevdays

Thank you!