



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

# Open a world of possibilities with SKY Developer

BLACKBAUD SKY® TRACK

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**BEN WONG**

*Session Host: Dzauya Nkuchwayo*



# Safe Harbor Statement

This presentation contains forward-looking statements that involve inherent risks, uncertainties and assumptions. It outlines Blackbaud's current plans and general product direction as of the date this presentation was created. Functionality described in this presentation that is not currently available is subject to change at any time, without notice, at Blackbaud's sole discretion. It does not represent a commitment to develop or release specific features within the timeframe discussed, according to the presented design, or at all. Please make any purchase decisions based on features and functionality that are currently available.



# Customization of Blackbaud Solutions

As a Blackbaud customer, your Authorized Support Contacts retain the responsibility for providing internal support for Customizations of your Blackbaud solutions by:

- 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



# Hello! I'm Ben Wong

*Principal Product Manager, SKY Developer*

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LOCATED IN CHARLESTON, SC

- Been at Blackbaud for 13 years
- Hometown: Bristol, UK
- Guitar and effects builder
- Co-founder of Birthdays For All



Core Building Blocks	SKY Services	INNOVATION VELOCITY AND PERFORMANCE
SKY AI™ SKY Analytics™ SKY Reporting™ Unrivaled Data Assets	SKY Intelligence	UNMATCHED INSIGHT
SKY API® SKY Add-Ins™ SKY UX®	SKY Developer	CHOICE AND FLEXIBILITY
End-to-End Management of Modern Cloud Solutions	Cloud Operations	SECURITY AND RELIABILITY

# SKY Developer Platform



Blackbaud Merchant Services



Church Management



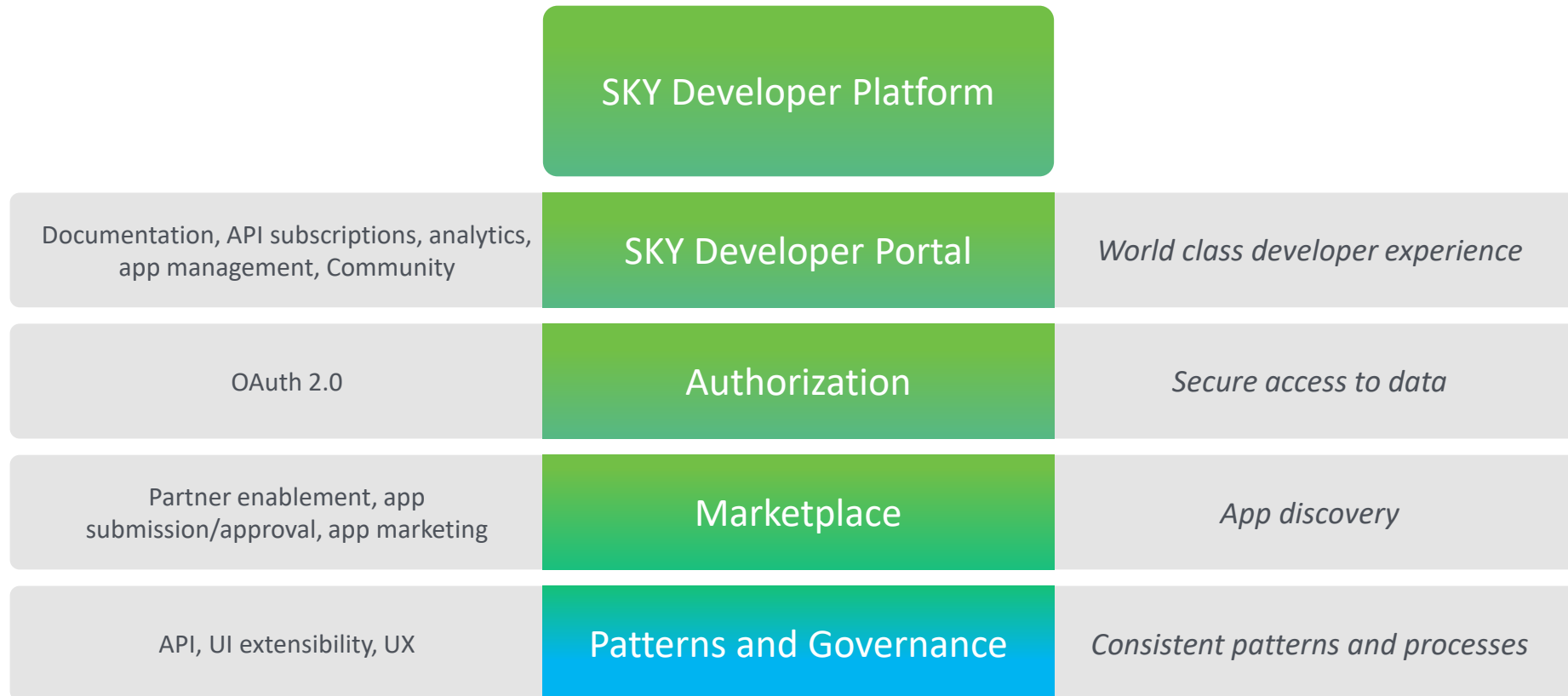
Education Management



Financial Edge NXT



Raiser's Edge NXT



“

There are now significantly more outside developers on our platform than Blackbaud engineers.

We're providing the developer community and our Partner network with the tools to extend and enhance customers' Blackbaud solutions, helping them create truly connected offices.

”



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MIKE GIANONI, BLACKBAUD PRESIDENT, CEO & DIRECTOR

# SKY Developer

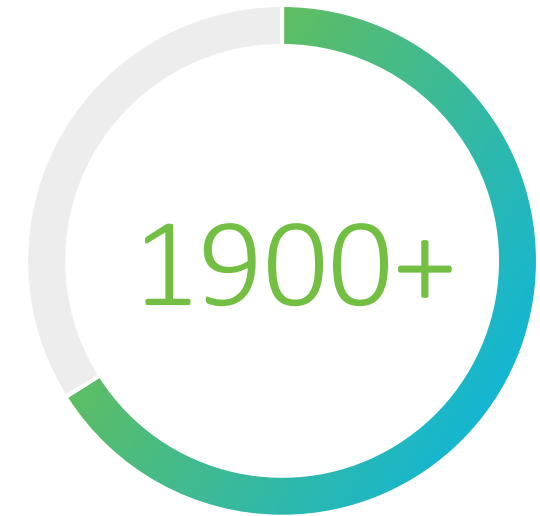
The 3<sup>rd</sup> party developer ecosystem includes customers, partners, and consultants. The capabilities of SKY Developer enable developers to accelerate the innovation of Blackbaud SKY solutions.



Registered 3<sup>rd</sup> party SKY Developers



Registered 3<sup>rd</sup> party SKY applications

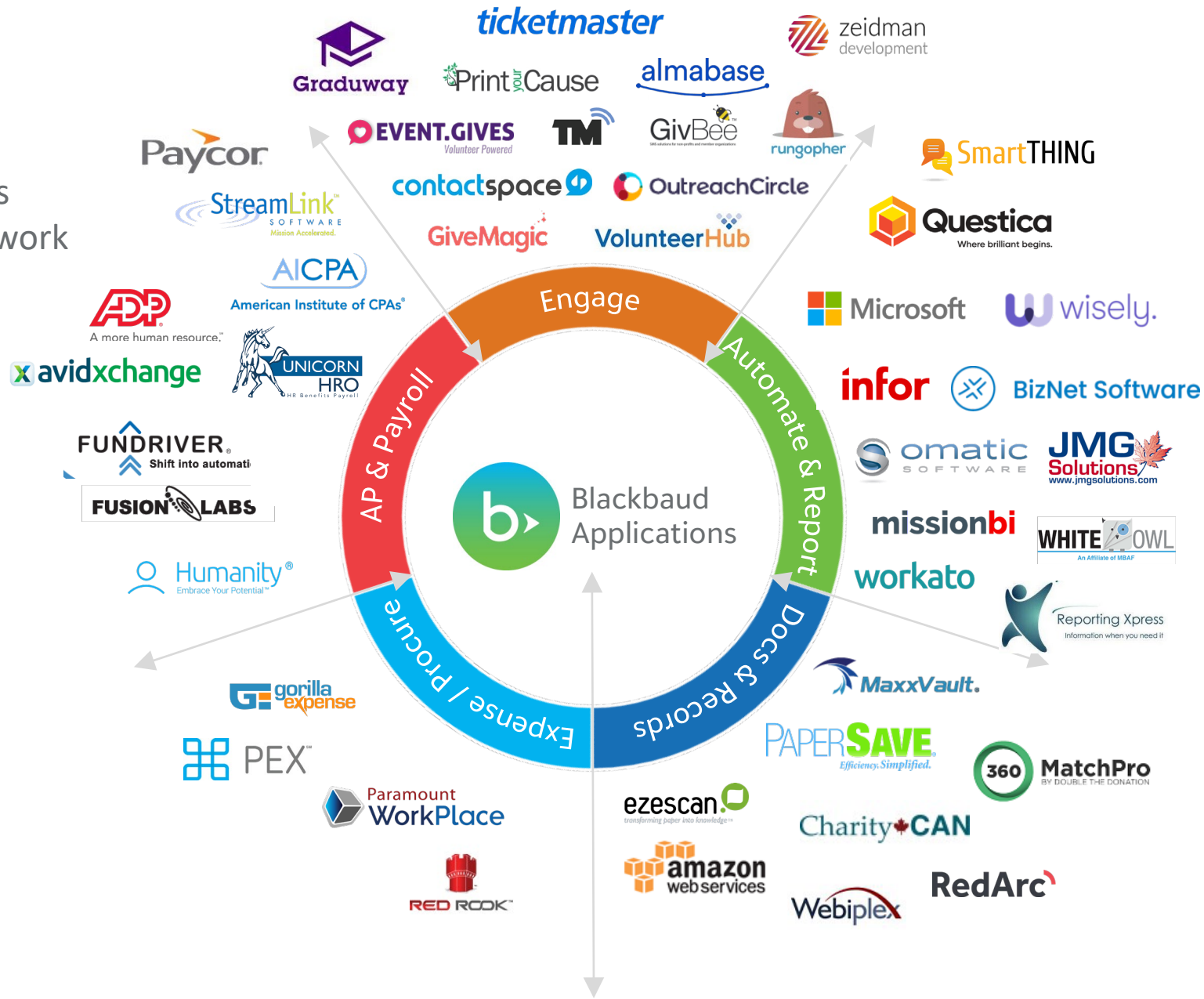
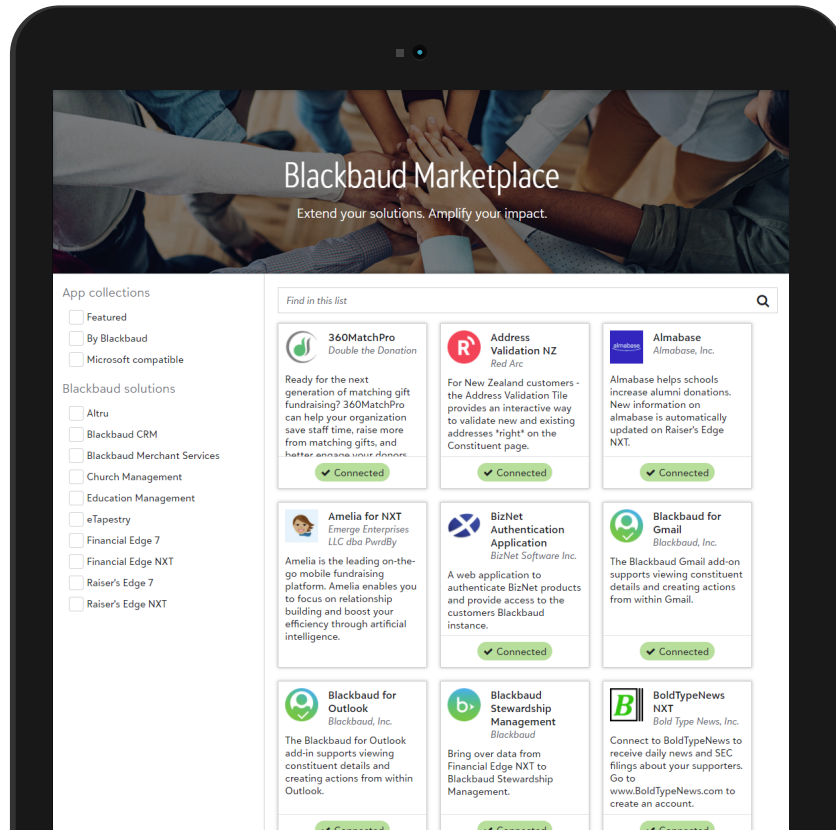


3<sup>rd</sup> party SKY applications enabled by customers



# Extensible Solutions

Build a tech-stack best suited to your needs through Blackbaud's extensive partner network and Blackbaud SKY API.



# Blackbaud Marketplace Growth

150%

Growth in the number of apps listed since the launch in 2020.

85+

Number of apps listed in the Blackbaud Marketplace

6000+

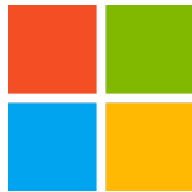
Number of organizations with active apps connected from the Marketplace



RedArc



dataro



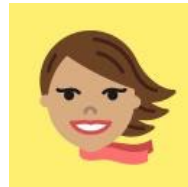
PairSoft  
PAPER SAVE  
Paramount WorkPlace



Charity CAN

Zobrio

Paycor  
blackbaud ISV Partner



PRIMEPAY



MBI



Charity Automator

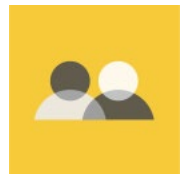
Work less. Achieve more.



visitu

GivBee

TM

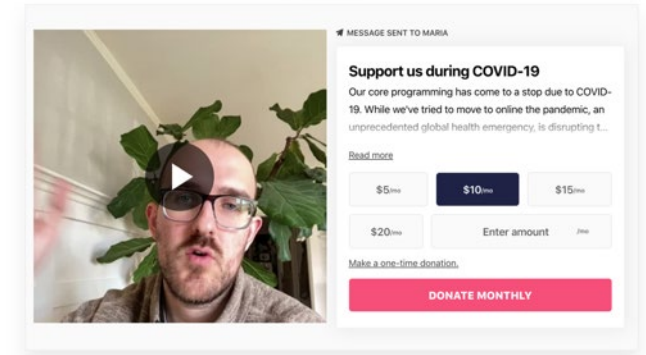


Available now  
in the App  
Marketplace

# Social Good Startups: Accelerating the Ecosystem of Good™

The Social Good Startup Program takes a cohort of exciting tech startups in the social good industry and provides them with the mentorship and resources needed to succeed.

Contact [sgsp@blackbaud.com](mailto:sgsp@blackbaud.com) to apply for the July 2021 cohort.



Kind Donations

See Matches

Items Approved	Pending Requests	Pending Offers	Value Received
2	0	0	\$30,162

Item	Qty	Status
spany	1	Approved, Pending Pickup
am Dinners Del Mar-Solana Beach	1	Approved, Certificate Downloaded
onlight Stage Productions/City of Vista	3	Approved, Pending Shipment
orado Bath Company	1	Pending Request
rid Curry	1	Request Declined
i Diego Mission Bay Resort	1	Pending Request
to	225	Approved, Pending Certificate Downl
ilon Laser		

# SKY API

Enables customizations and integrations



# Common scenarios with SKY API

Who uses it?

Customers

Consultants

Partners

SKY API

What is it used for?

Integrations

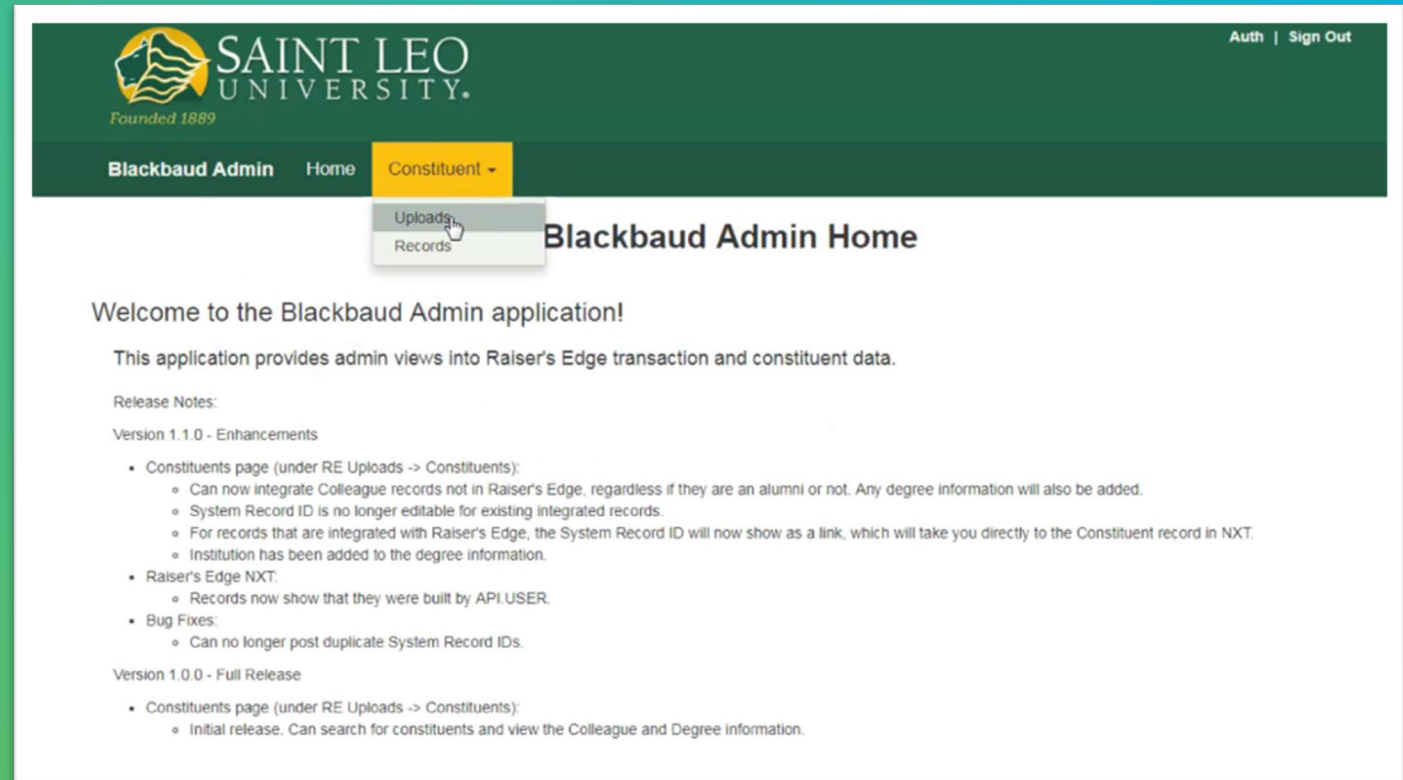
Workflow Enhancements

Business Intelligence



# Saint Leo University

“The SKY API integration is a huge time saver. It used to take half a full-time person to ensure the data is clean and in sync”



**SAINT LEO UNIVERSITY**  
Founded 1889

Auth | Sign Out

Blackbaud Admin Home

Home Constituent -

Uploads  
Records

## Blackbaud Admin Home

Welcome to the Blackbaud Admin application!

This application provides admin views into Raiser's Edge transaction and constituent data.

Release Notes:

Version 1.1.0 - Enhancements

- Constituents page (under RE Uploads -> Constituents):
  - Can now integrate Colleague records not in Raiser's Edge, regardless if they are an alumni or not. Any degree information will also be added.
  - System Record ID is no longer editable for existing integrated records.
  - For records that are integrated with Raiser's Edge, the System Record ID will now show as a link, which will take you directly to the Constituent record in NXT.
  - Institution has been added to the degree information.
- Raiser's Edge NXT:
  - Records now show that they were built by APLUSER.
- Bug Fixes:
  - Can no longer post duplicate System Record IDs.

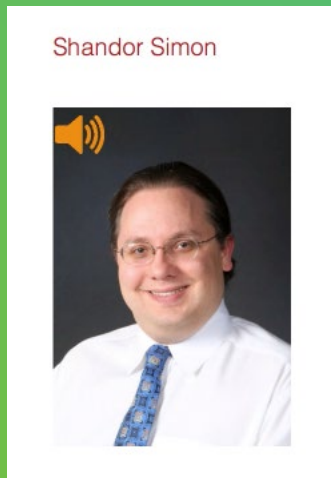
Version 1.0.0 - Full Release

- Constituents page (under RE Uploads -> Constituents):
  - Initial release. Can search for constituents and view the Colleague and Degree information.

# Latin School of Chicago

Created a “Pronunciation app” to help faculty and staff pronounce names correctly.

“Our name is part of our identity, knowing how to pronounce each other’s names, helps strengthen our community, our connections, and shows respect.” – Shandor Simon, IT Director



**Phonetic spelling of your name**

  
**My Pronouns** [\(What's this?\)](#)  

Please audio record the pronunciation of your full name.



You can record your name by having the NameCoach system call you, or by using the Web recorder

[Having trouble recording?](#)

Web Recorder  
 Phone

**Record your name using our web audio recorder**

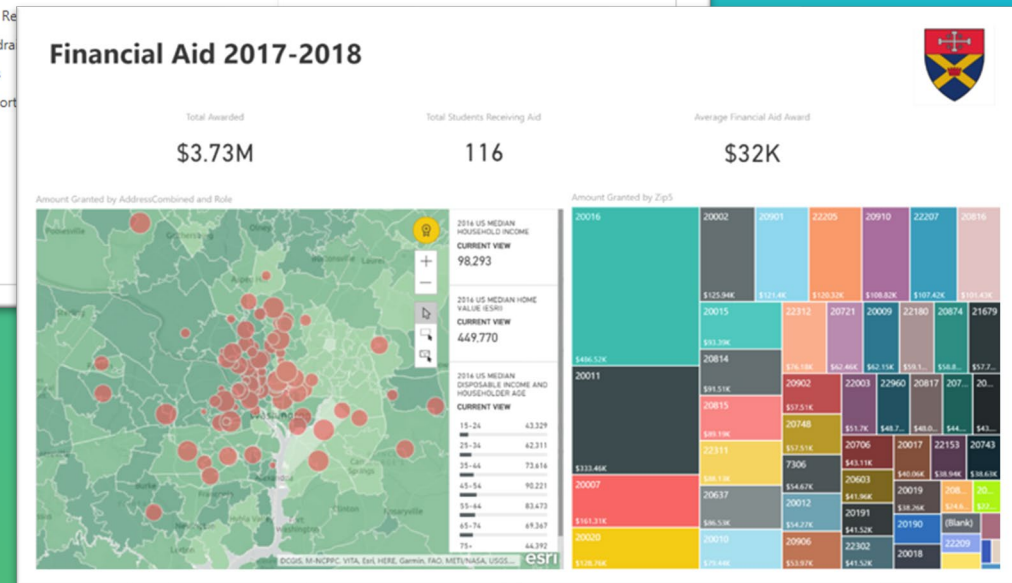
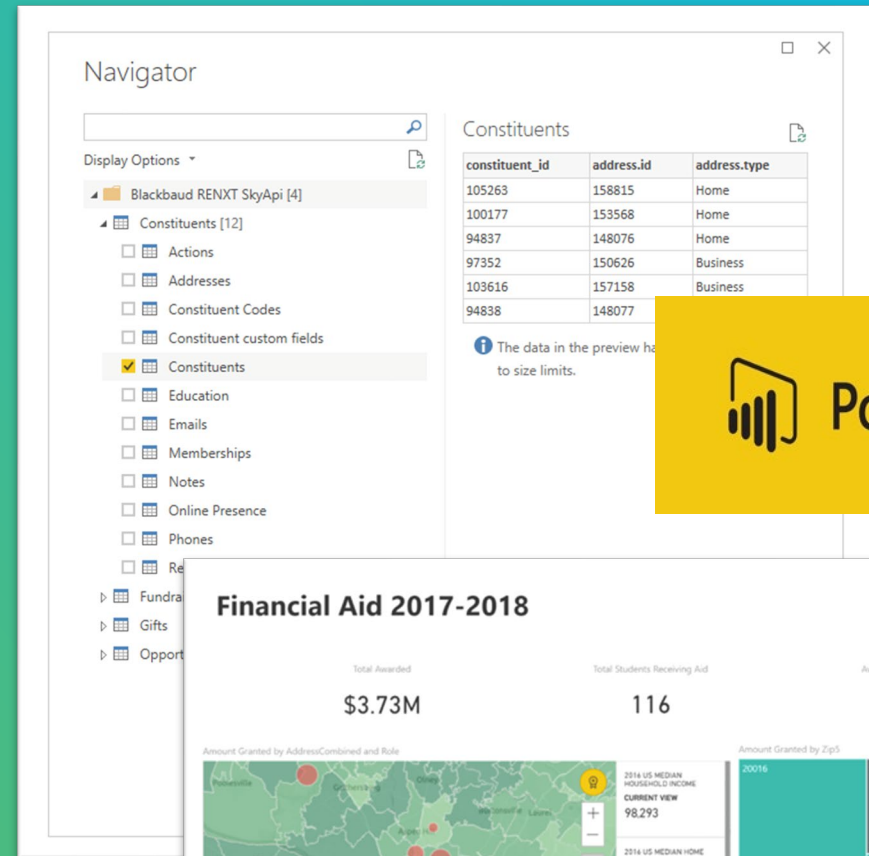
The prompt under the Record button will read 'Ready', then 'Set' and finally, 'Record' - wait for the 'Record' prompt before speaking.



# Power BI Connector

“We have just skimmed the surface of creating dashboards in Power BI for some of our executives, and NXT data was always a bit of a question mark for us. This connector is super helpful for our requirements!”  
– Andrew Ohoski, Ridley College



# Webhook API

SKY applications can receive near real-time events that happen in Blackbaud solutions.

For example, when constituent contact information is changed.



3<sup>rd</sup> party application

Contact information

Edit ▾

- Addresses
- Email addresses
- Online presence
- Phone numbers

No email addresses found

Edit email addresses for Jim Bob

Email type \*  
Email ▾  Primary

Email address \*  
jimbob@jb.com  Do not email  Inactive

Done Cancel

Save Cancel

```
Constituent email changed
Received      May 28, 2021 4:18 PM
Record ID    28847
Constituent ID 48184

{
  "type": "com.blackbaud.constituent.emailaddress.change.v",
  "specversion": "1.0",
  "source": "0AWVIVCLINWGMTCQJNVTEYK7NZNFSR3I0SEGIQI",
  "subject": "/environments/p-TTKCLfLpKk2a_nZYGhwHdA",
  "id": "4c831ff9-4e37-4edf-a0ee-2230e1be51d7",
  "time": "2021-05-28T20:18:13.892470Z",
  "data": {
    "id": "28847",
    "constituent_id": "48184"
  }
}
```

Email addresses updated

# Mount Sinai Health System

Created an application to improve the workflow for creating new actions *when the constituent prospect status changes*.

### Change prospect status

Current status	Time in current status
Cultivation	55 days
Status *	Start date *
Solicited	06/11/2021

Comments

Made an ask for \$1000

Save Cancel

### Constituent email changed

Received May 28, 2021 4:18 PM  
Record ID 28847  
Constituent ID 48184

```
{
  "type": "com.blackbaud.constituent.emailaddress.change.v",
  "specversion": "1.0",
  "source": "OAWVIVCLINWGMTCQJNVTEYK7NZNF3I05EGIQI",
  "subject": "/environments/p-TTKClfLPk2a_nZYGhwHdA",
  "id": "4c831ff9-4e37-4edf-a0ee-2230e1be51d7",
  "time": "2021-05-28T20:18:13.8924702Z",
  "data": {
    "id": "28847",
    "constituent_id": "48184"
  }
}
```

GET Prospect status  
GET Constituent action list  
POST Action  
PATCH Action

# Gratavid

Sends a personalized Thank You video *when the new gifts are added.*

Add gift

Gift details

Fundraiser credits

Constituent \*  
Robert C. Hernandez

Amount \*  
\$1,000.00

Receipt amount: \$1,000.00

Gift type \*  
One-time gift

Payment method \*  
Cash

Gift splits

Appeal  
Search for an appeal

Campaign  
Search for a campaign

Split this gift

Soft credits

Constituent \*  
Wendy Hernandez

Add a soft credit

Acknowledgement status Acknowledgement letter

```
{  
  "type": "contribution"  
  "specversion": "1.0"  
  "source": "Gratavid"  
  "subject": "Thank you for your gift"  
  "id": "23871234567890"  
  "time": "2023-10-27T10:00:00Z"  
  "data": {  
    "id": "7345678901234567890"  
    "constituent": "Wendy Hernandez"  
  }  
}
```

Rule: 1

IF Select Condition  
It's a constituents first gift

AND IF Select Condition  
The gift amount is greater than or equal to

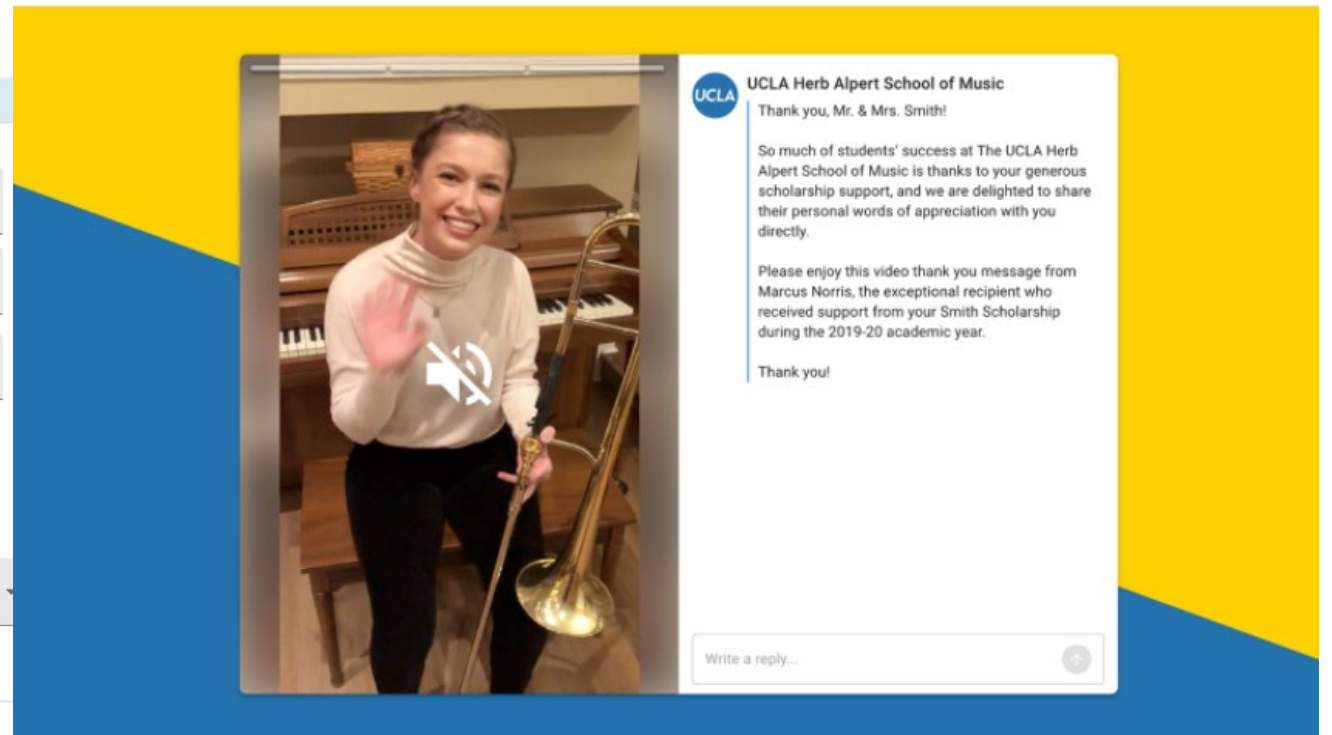
AND IF Select Condition  
The gift is from any of these campaigns

+ Add Condition

↓ ↓ ↓

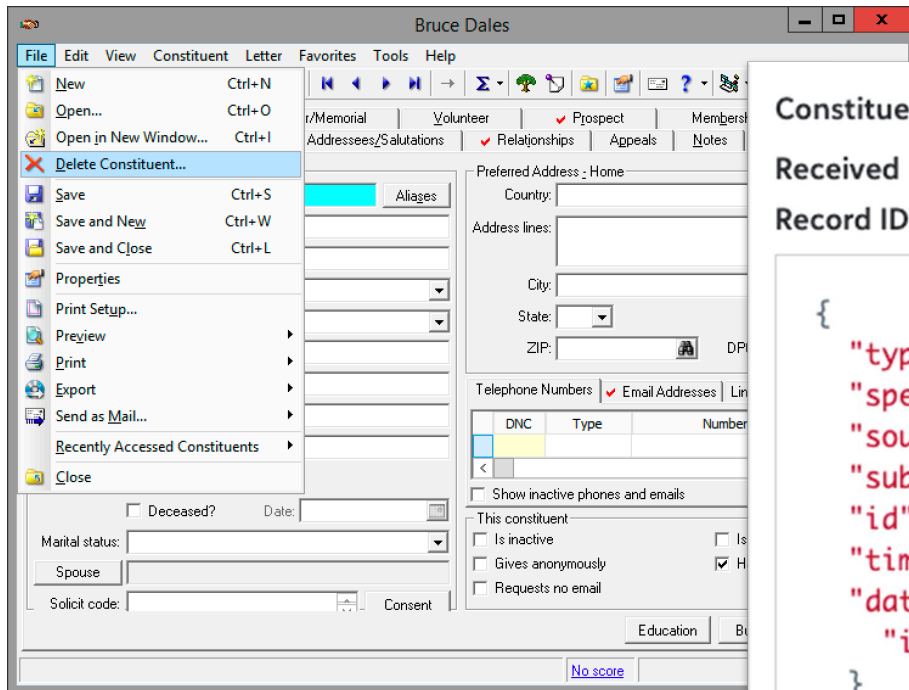
THEN Select Action  
Create Task

Select Assignee  
will@gratavid.com



# Mennonite Mission Network

Uses MSFT Power Automate to keep track of when constituents are deleted to keep their data warehouse in sync.



## Constituent record deleted

Received June 11, 2021 5:02 PM  
Record ID 49392


```
{
  "type": "com.blackbaud.constituent.delete.v1",
  "specversion": "1.0",
  "source": "OAWWIVCLINWGMTQJNVTEYK7NZNFSR3IO5EGIQI",
  "subject": "/environments/p-TTKClfLPk2a_nZYGhwHdA",
  "id": "a272a643-30f2-41b9-a360-377e1257754e",
  "time": "2021-06-11T21:02:29.163414Z",
  "data": {
    "id": "49392"
  }
}
```



# Audit Trail Cloud

Audit Trail Cloud from Zeidman Development listens to all webhook events to record an audit trail of changes in RE NXT and Church Management.

## Audit Trail View



Action Type

**Solicit code** - *Solicit code* May 17, 2021, 3:00:59 PM ^

Before	After
Summer mailing only	Spring mailing only

*Change not tracked*

---

**Solicit code** - *Solicit code* May 17, 2021, 2:39:57 PM v

---

**Start date** - *Solicit code* May 17, 2021, 2:39:57 PM v

---

**Acknowledgement status** - *Gift* May 16, 2021, 3:26:46 PM v

---

**Amount** - *Gift* May 16, 2021, 3:26:46 PM v

# Webhook Monitor app

The Webhook Event Viewer app gives you visibility of the events that are triggered from the environment.

- You can use the app to create webhook subscriptions to your environment
- Test the event triggers e.g. add a constituent record.
- See the webhook data payload

The screenshot shows the Webhook Monitor app interface. At the top, there is a 'Configure' button and two icons: a funnel and a refresh symbol. Below this, the interface displays a list of events. The first event is 'Constituent address added', which is expanded to show a JSON payload. The second event is 'Constituent record added', and the third is 'Constituent address changed'. Each event entry includes a 'Received' timestamp, a 'Record ID', and a 'Constituent ID'.

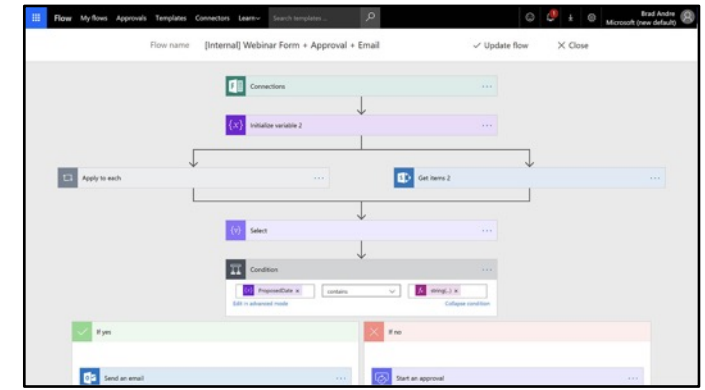
Event Type	Received	Record ID	Constituent ID
Constituent address added	May 28, 2021 3:31 PM	50303	49278
Constituent record added	May 28, 2021 3:31 PM	49278	
Constituent address changed	May 28, 2021 3:01 PM	1789	931

```
{
  "type": "com.blackbaud.constituent.address.add.v1",
  "specversion": "1.0",
  "source": "OAWVIVCLINWGMTQCQJNVTEYK7NZNFSR3I05EGIQI",
  "subject": "/environments/p-TTKClfLPk2a_nZYGhwHdA",
  "id": "e4a68553-0d55-4733-bac3-255d81971e96",
  "time": "2021-05-28T19:31:33.7982207Z",
  "data": {
    "id": "50303",
    "constituent_id": "49278"
  }
}
```

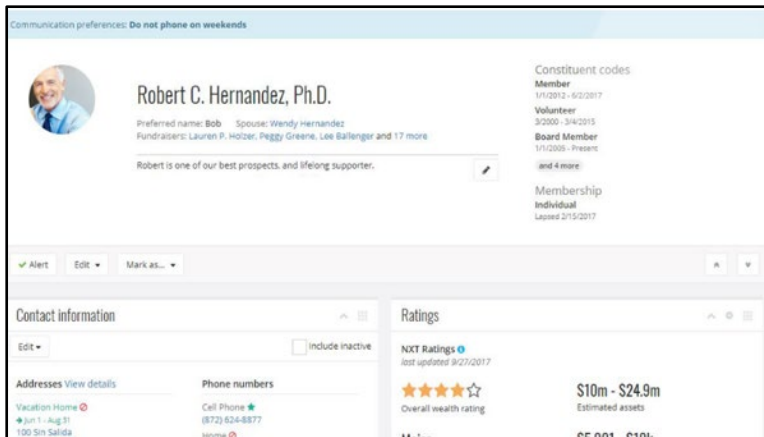
# Blackbaud Raiser's Edge NXT Connector for Microsoft Power Platform

Build time-saving workflows and applications that facilitate everything from individual tasks to large-scale systems with seamless integration using prebuilt connectors between Blackbaud Raiser's Edge NXT and Microsoft applications.

Power Automate  
Boost productivity to get more done. Give staff the ability to automate organizational processes.



Power Apps  
Turn ideas into solutions. Enable staff to build custom apps that solve organizational challenges.



\* Note: Microsoft license is required.



# Microsoft Power Platform Tutorials

The screenshot shows the Microsoft Power Platform documentation website. The navigation bar includes links for SKY API, Home, Documentation, API reference, Developer account, Partners, Support, and Status. The left sidebar lists various documentation topics, with 'Power Automate' selected. The main content area is titled 'Tutorials' and features three cards:

- Gift notifications**: Notify colleagues of incoming gifts.
- Volunteer sign-up**: Capture and add volunteer interest to constituent records.
- Birthday notifications**: Notify colleagues of upcoming constituent birthdays.

Below the tutorials is a 'Recorded webinars' section with one card:

- Create a workflow with Power Automate**: See how you can create gift notifications using Power Automate.

This zoomed-in view of the 'Tutorials' section shows two cards:

- Build a Power app**: Build a Power app for web or mobile.
- Power App add-ins**: Show a Power App as a SKY Add-in.

# Community Showcase

Get started by checking out the flows that have been shared by members of the Microsoft Connectors community.











## Blackbaud Community Power Platform Showcase

The Microsoft Power Platform samples are provided by the Blackbaud user community in the [Microsoft Connectors forum](#) and are intended to help you jump start your work in building custom apps and flows for your organization.

If you're interested in having your app or flow highlighted in the showcase, [follow the instructions](#) on how to post to the community and have your app or flow highlighted in the Community showcase.

Filter Sort Search the showcase

Difficulty level Any level Category Any category  Power Apps  Power Automate flows

 <b>Email handling</b> Flag constituent emails in your inbox.	 <b>Daily gift notification</b> Get notified when there are gifts over a specific size.	 <b>Proposal workflow</b> Create an approval workflow for a proposal.	 <b>GoToWebinar notification</b> Get notified when participants register for your GoToWebinar events.	 <b>Daily gift digest notification</b> Get a list of all gifts from the prior day via email.
 <b>Allow non-privileged users to submit</b> Let users without rights submit a record change for approval.	 <b>Show household opportunities</b> Find all opportunities for constituents and their spouses.	 <b>Upcoming opportunity notification</b> Sends a notification email monthly about upcoming opportunity ask dates.	 <b>Notify gift officer</b> Notify gift officer when someone in portfolio makes a gift.	 <b>Remove from mailings</b> This flow reads through an email inbox and searches for key words to identify if the sender is requesting to be removed from mailings.

# App Showcase

The App Showcase is a listing of samples apps and tools from the SKY Developer Community.


A new Financial Edge NXT Power Platform connector has been provided by npAutomate!

Home / Documentation / Showcase

## App showcase


These apps are created by Blackbaud and the community. We want to highlight any and all applications to help and inspire other developers.

Reach out to [Blackbaud SKY Developer team](#) if you're interested in having your application added.

 **Barkbaud (NodeJS)**


A full-stack NodeJS application that demonstrates how to access constituent data via SKY API, implements a front-end using SKY UX, and negotiates security using OAuth 2.0 Authorization Code Flow.

[View on GitHub](#) [View live](#)


 **Hey Google Android**

A native Java application for Android that demonstrates how to access constituent data via SKY API, implements Hey Google capabilities, displays a native SKY UX adaptation, and negotiates security using OAuth 2.0 Authorization Code Flow.

[View on GitHub](#)

 **Siri iOS Sample**

A native Swift application for iOS that demonstrates how to access constituent data via SKY API, experiments with Siri capabilities, displays a native SKY UX adaptation, and negotiates security using OAuth 2.0 Authorization Code Flow.


 **Financial Edge NXT® Custom Connector**

Code and instructions provided by npAutomate to create a custom connector for Blackbaud Financial Edge NXT to Microsoft Power Platform.

### Financial Edge NXT® Custom Connector


Code and instructions provided by npAutomate to create a custom connector for Blackbaud Financial Edge NXT to Microsoft Power Platform.

[View on GitHub](#) [Go to Partner website](#)


 **Headless Data Sync**

A SKY API Console application that demonstrates how to query for records that have been modified since the last command line accepts a date that will be used to obtain a record expiration.

to securely authenticate to the SKY API for development.

 **Webhooks Demo (NodeJS)**

A simple NodeJS application to highlight all the moving pieces for registering and receiving webhook subscriptions. A more thorough tutorial explaining all the mechanics is available in C#. This is a complimentary tutorial for anyone more familiar with JavaScript.

 **Webhooks Demo (PHP)**

A simple PHP application to highlight all the moving pieces for registering and receiving webhook subscriptions. A more thorough tutorial explaining all the mechanics is available in C#. This is a complimentary tutorial for anyone more familiar with PHP.

# NXT Data Integration API

An API optimized for large scale data integrations, built on new architecture to allow faster endpoint development

- POST Create a campaign
- POST Create a code table
- POST Create a constituent appeal
- POST Create a country
- POST Create a custom field cate...
- POST Create a fund
- POST Create a gift note
- POST Create a name format con...
- POST Create a name format con...
- POST Create a phone type
- POST Create a table entry
- POST Create an appeal
- DELETE Delete a campaign
- DELETE Delete a code table
- DELETE Delete a constituent
- DELETE Delete a constituent appeal
- DELETE Delete a country
- DELETE Delete a custom field categ...
- DELETE Delete a fund
- DELETE Delete a gift note
- DELETE Delete a name format confi...
- DELETE Delete a name format confi...
- DELETE Delete a phone type
- DELETE Delete a proposal
- DELETE Delete a table entry

[Home](#) / [API Reference](#) / [NXT Data Integration](#) / [Endpoint Reference](#)

## NXT Data Integration

[API definition](#)

[Comments](#)

This API supports an expanded set of endpoints optimized for data integration scenarios.

### POST Create a campaign

Creates a new campaign.

[Try it](#) **Please [sign in](#) to use the console.**

#### Request URL

**<https://api.sky.blackbaud.com/nxt-data-integration/v1/re/campaigns>**

#### Request headers

Header	Required	Type	Description
Content-Type		string	Media type of the body sent to the API.
Bb-API-Subscription-Key	✓	string	Subscription key which provides access to this API. Found in your <a href="#">Profile</a> .
Authorization	✓	string	OAuth 2.0 access token obtained from <i>Blackbaud OAuth 2.0 Service</i> . Supported grant types: <i>Authorization code, Implicit</i> .

#### Request body

The campaign to add.

A record from the dbo.CAMPAIGN table in Raiser's Edge.

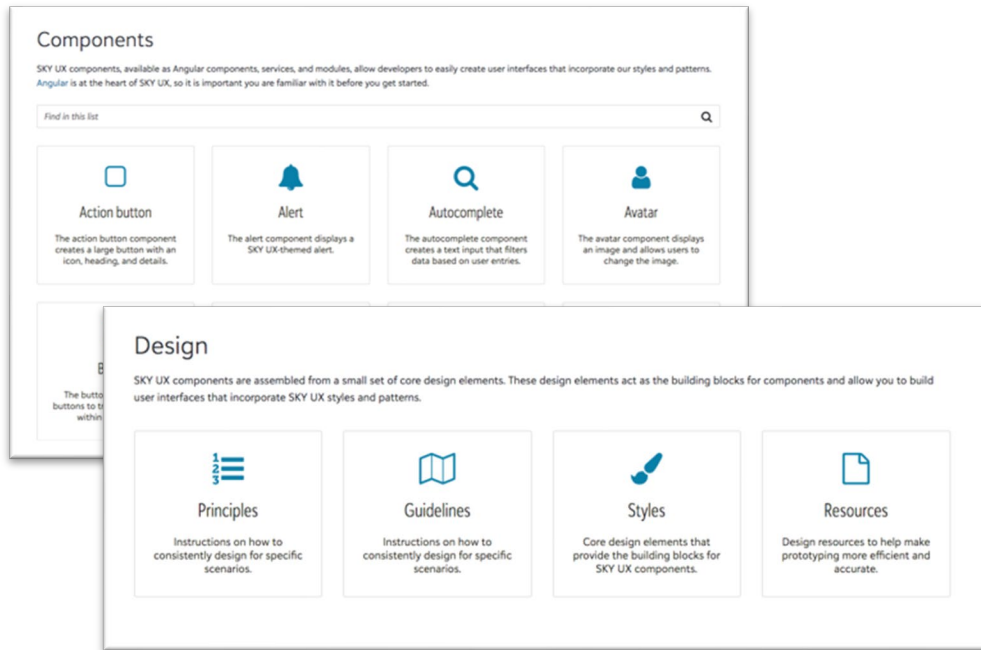
A woman with curly hair, wearing a blue denim shirt, is smiling and gesturing with her hands while presenting a laptop. A transparent, floating window displays a modern web application interface with various components like buttons, text, and charts. The background shows a blurred office or meeting room with other people.

# SKY UX<sup>®</sup>

Open-source UX Framework for  
modern and consistent design

# SKY UX<sup>®</sup>

Open source UX toolset to create applications that adhere to the SKY UX principles and patterns.



The image shows two overlapping cards from the SKY UX documentation. The top card, titled "Components", lists four UI elements: Action button, Alert, Autocomplete, and Avatar, each with a brief description. The bottom card, titled "Design", lists four design elements: Principles, Guidelines, Styles, and Resources, each with a brief description.

### Components

SKY UX components, available as Angular components, services, and modules, allow developers to easily create user interfaces that incorporate our styles and patterns. Angular is at the heart of SKY UX, so it is important you are familiar with it before you get started.

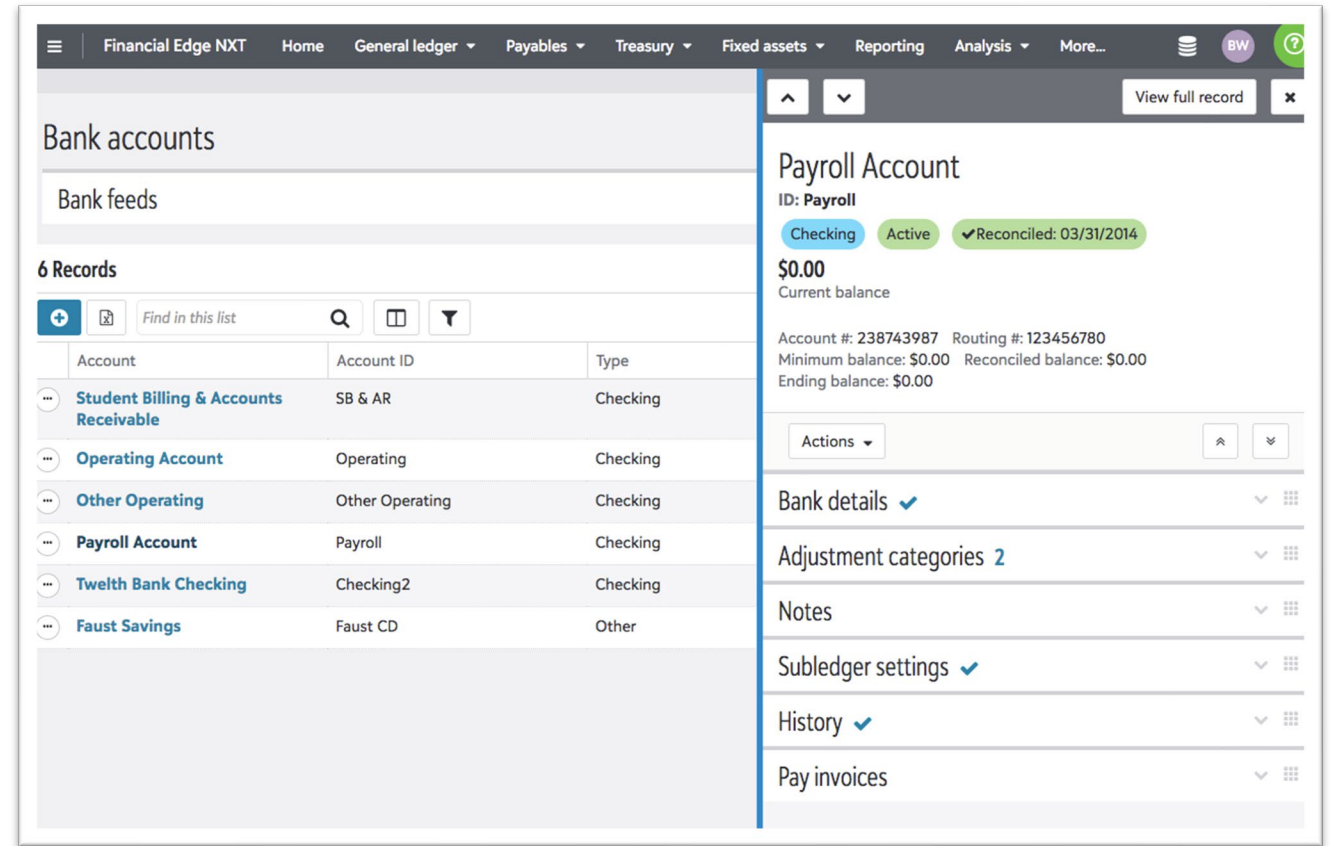
Find in this list

- Action button**  
The action button component creates a large button with an icon, heading, and details.
- Alert**  
The alert component displays a SKY UX-themed alert.
- Autocomplete**  
The autocomplete component creates a text input that filters data based on user entries.
- Avatar**  
The avatar component displays an image and allows users to change the image.

### Design

SKY UX components are assembled from a small set of core design elements. These design elements act as the building blocks for components and allow you to build user interfaces that incorporate SKY UX styles and patterns.

- Principles**  
Instructions on how to consistently design for specific scenarios.
- Guidelines**  
Instructions on how to consistently design for specific scenarios.
- Styles**  
Core design elements that provide the building blocks for SKY UX components.
- Resources**  
Design resources to help make prototyping more efficient and accurate.



The screenshot shows the "Payroll Account" page in the Financial Edge NXT application. The page includes a table of bank accounts and a sidebar with account details and actions.

### Bank accounts

Bank feeds

6 Records

Account	Account ID	Type
Student Billing & Accounts Receivable	SB & AR	Checking
Operating Account	Operating	Checking
Other Operating	Other Operating	Checking
Payroll Account	Payroll	Checking
Twelfth Bank Checking	Checking2	Checking
Faust Savings	Faust CD	Other

### Payroll Account

ID: Payroll

Checking Active Reconciled: 03/31/2014

**\$0.00**  
Current balance

Account #: 238743987 Routing #: 123456780  
Minimum balance: \$0.00 Reconciled balance: \$0.00  
Ending balance: \$0.00

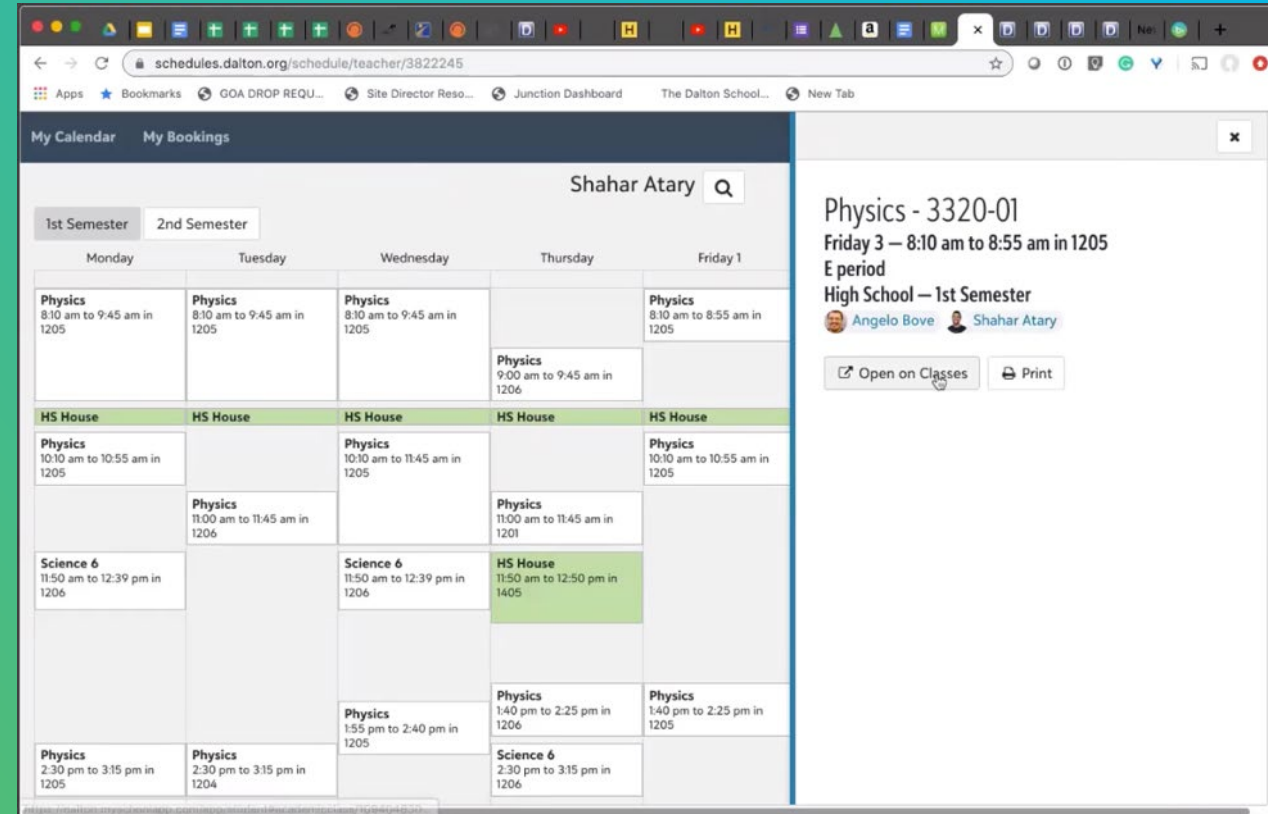
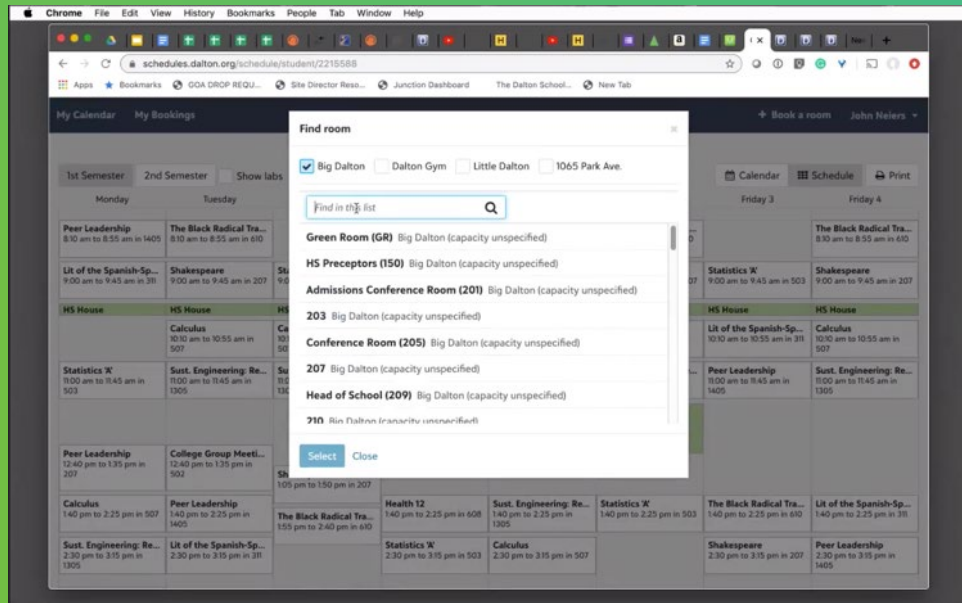
Actions

- Bank details ✓
- Adjustment categories 2
- Notes
- Subledger settings ✓
- History ✓
- Pay invoices



# Dalton School

Created a Scheduling application with to enable users to view and manage schedules for staff, students, and rooms.



# Red Arc - Quick Gift Entry add-in

The screenshot displays the Raiser's Edge NXT dashboard for Red Arc International Pty Ltd. The top navigation bar includes a hamburger menu, the text 'Raiser's Edge NXT', and several menu items: Home, Fundraising, Marketing, Events, Lists, Analysis, Tools, and Control panel. On the right side of the navigation bar are icons for search, a database symbol, a user profile 'LZ', and a help icon. The main content area is divided into three sections: 'Updates', 'Tasks', and 'Recently accessed'. The 'Updates' section on the left contains four news items with dates and links to view features. The 'Tasks' section on the right lists three actions: 'Add constituent', 'Add gift', and 'Quick Gift Entry', with the latter highlighted by a red rectangular box. The 'Recently accessed' section on the right lists names of individuals and organizations, such as Jordan F. Mentel, Red Arc, and others.

Updates

What's new - 01/09/2020  
[View the latest features](#)

Blackbaud Marketplace - 26/08/2020  
[Learn about new apps for donor engagement, volunteer management, and Mailchimp](#)

What's recent - 18/08/2020  
[Check out the features from August 18th](#)

What's recent - 11/08/2020  
[See the features from August 11th](#)

What's recent - 04/08/2020  
[View the features from August 4th](#)

Tasks

- Add constituent
- Add gift
- Quick Gift Entry**

Recently accessed

Jordan F. Mentel	Red Arc
Girl Scouts of America	Cearra A. Fabroquez
Lukas Zimmerman	Luke E. Slaymaker
Red Arches Foundation	Yang Yang He




# Red Arc - Quick Gift Entry SKY UX page

Quick Gift Entry Logout

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**Donor**

 **CID: 171315**    Melbourne  
**Mr. test test**    MELBOURNE VIC 3046 [Open](#)  
test.test@test.com ✓

**Gift Type**                      **Payment Method**                      **Gift Subtype**

One-time Gift ✓                       Credit Card ✓                     

Recurring Gift                       EFTPOS                     

Cash                     

**Gift Details** [Add](#)

Campaign	Fund	Country	Quantity / Amount	
<input type="text" value="Water"/>	<input type="text" value="Build a water well"/>	<input type="text" value="Bangladesh"/>	<input type="text" value="2"/>	<input type="text" value="\$1,000.00"/>
<input type="text" value="Community Care"/>	<input type="text" value="Medical equipment for B-L Hospital-050"/>	<input type="text" value="Australia"/>	<input type="text" value="1"/>	<input type="text" value="\$50.00"/>

**Total Amount**                      **\$ 1,050.00**

On behalf of:                       Comment:

Well in the name of:

# Red Arc – Blackbaud Grantmaking to Raiser’s Edge NXT Integration

Sync Setup Logout

## Setup your BBGM Sync to RE NXT

Status  Sync Inactive

### Step 1 - Enter your credentials

BBGM User Id:\* **userid**

BBGM Private Key:\* **myKey**

[Save Settings](#)

### Step 2 - RE NXT constituent settings

Default address type:\*

Default phone type:\*

Default email type:\*

### Step 3 - Select transfer settings

Choose transfer option:\*

**Contacts**

**Organisations**

**Contacts & Organisations**

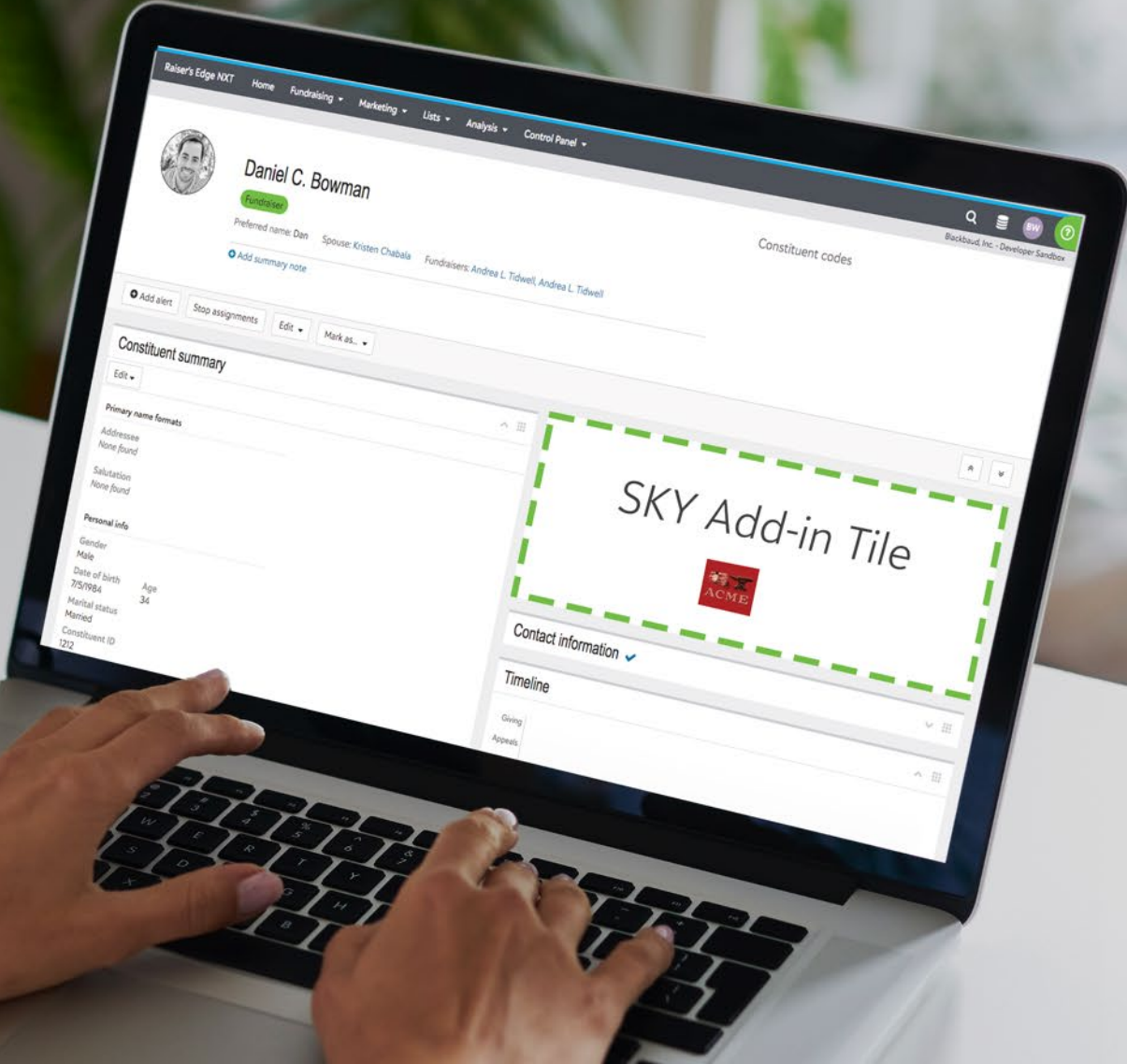
Select an NXT Alias Type (Optional)

**i** We will use your selected NXT Alias Type to store the Record ID of the transferred Contacts in RE NXT

[Save Settings](#)

# SKY Add-Ins™

New contextual experiences  
within Blackbaud solutions

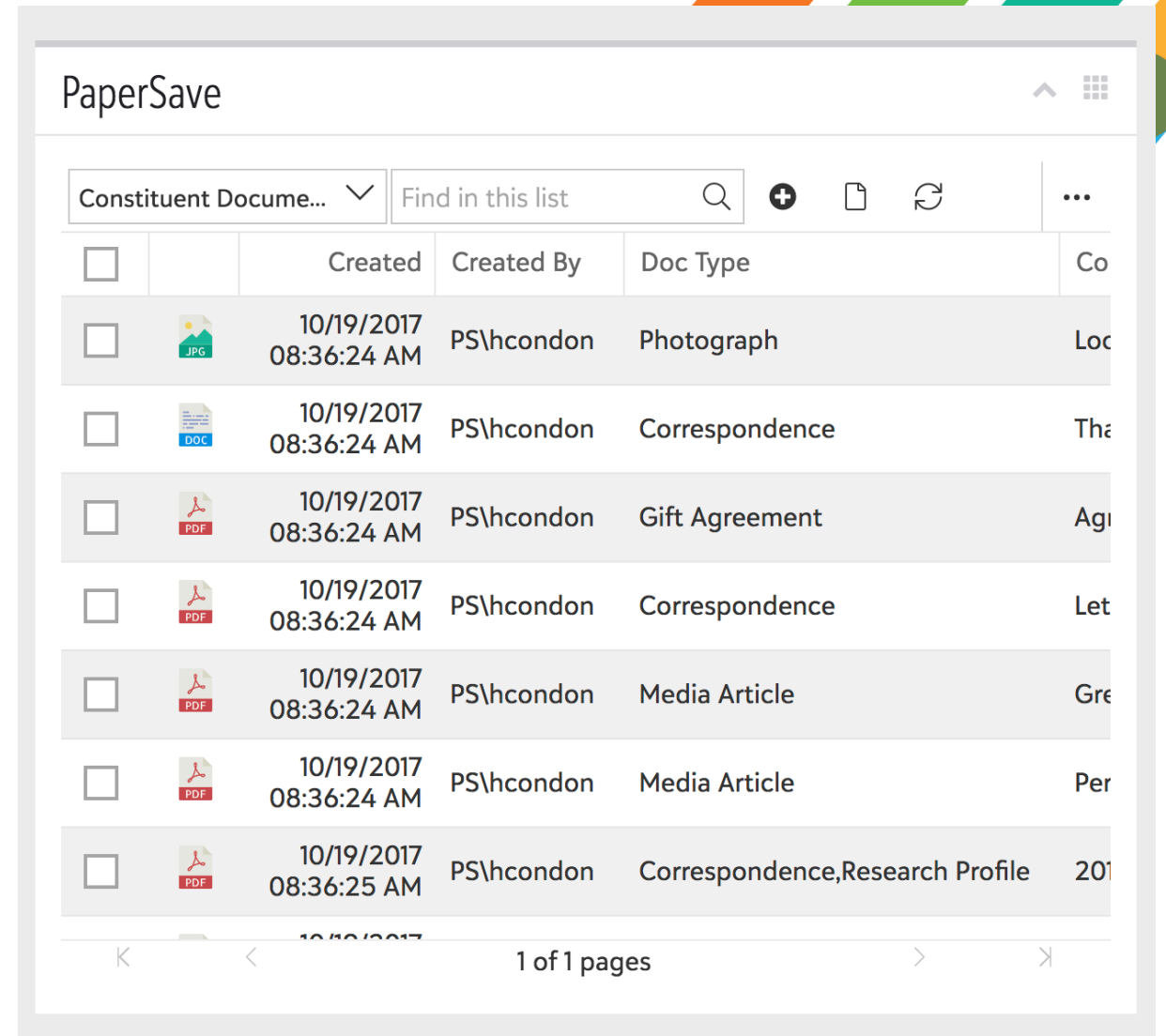




“The PaperSave tile has become an essential feature for how my organization accesses documents in PaperSave...allowing the user access to many of the document management features they are used to such as editing, downloading, viewing associated documents and more.

It’s one of those things that when you look back you think, how did we ever live without this!”

- Claire Williams, American Technion Society



# Gift Batch Entry Form SKY Add-in

Extend the data entry experience when adding a new gift to a batch within RE NXT

Batch #GFT-2020-4

Gift details

Fundraiser credits (18)

My Add-in

SKY UX Add-in Hello World

Welcome to the SKY UX Add-in template.

You've just taken your first step into a larger world.

Find in this list

Robert C. Hernandez	One-time gift	\$10.00	
---------------------	---------------	---------	--

Batch #GB-AB070421

Gift details

Fundraiser credits

PaperSave

Constituent \*  
Sean Davenport

Amount \*  
A\$30,000.00

Gift date \*  
07/04/2021

Receipt amount:  
\$30,000.00

Change receipt amount

Mark as anonymous

Gift type \*  
One-time gift

Gift subtype

Payment method \*  
Cash

Gift splits

Appeal  
Search for an app

Package  
Search for a pack

Campaign  
Search for a camp

Fund \*  
Library Fund

Split this gift

Save a

Find in this list

Sean Davenport	One-time gift	\$30,000.00	
John Doe	One-time gift	\$140.00	

Stackbaud

PaperSave Workflow

hvttest9stg.app.cloud.papersave.com/workflow

Batch #GB-AB070421

Find in this list

Sean Davenport	One-time gift	\$30,000.00	
John Doe	One-time gift	\$140.00	

0001

Sean Davenport  
100 Main Street  
Anywhere, USA

NOT A LEGAL CHECK FOR TEACHING USE ONLY

PAY TO THE ORDER OF: **Awesome Not for Profit** \$ 30,000

Thirty Thousand DOLLARS

FOR: **Donation**

012345678910 012345678910 0001

# Raiser's Edge NXT homepage tile

## Development Office Homepage Tile Dashboard

The screenshot displays a web interface for the SKY Developer Cohort. The top navigation bar includes links for Raiser's Edge NXT, Home, Fundraising, Marketing, Events, Lists, Analysis, Tools, and Control panel. The main content area is divided into several sections:

- Updates 20**: A section with a dropdown arrow and a grid icon.
- SKY Developer getting started**: A section with an upward arrow and a grid icon. It contains a blue warning box stating: "This environment is meant for testing purposes only and does not give full representation of the solution's functionality." Below this is a welcome message: "Welcome to the SKY Developer Cohort test environment. This is a shared environment for SKY developers to use as they're learning how to create SKY applications, including using SKY API and SKY Add-ins." A "Learn more" section includes a "View Quickstart for SKY Add-ins" button and a list of links: "View a constituent record", "View a gift record", and "View an action record". A "Developer resources" section includes links for "Developer portal" and "Developer community".
- Tasks**: A section with an upward arrow and a grid icon.
- Recently accessed**: A section with an upward arrow and a grid icon, listing "Robert C. Hernandez" and "Allison D. Goodson".

# Event and Participant page extension points

New page action extension points for the Event and Participant pages

The screenshot shows the Blackbaud NXT interface for an event titled "Afternoon Tea". The event details are as follows:

Lookup ID	Category	Event goal	Capacity
AFTERNOON TEA	Social	\$5,000.00	100

The location is listed as "Cobblestone House, 65 Carriage Lane".

The participant statistics are:

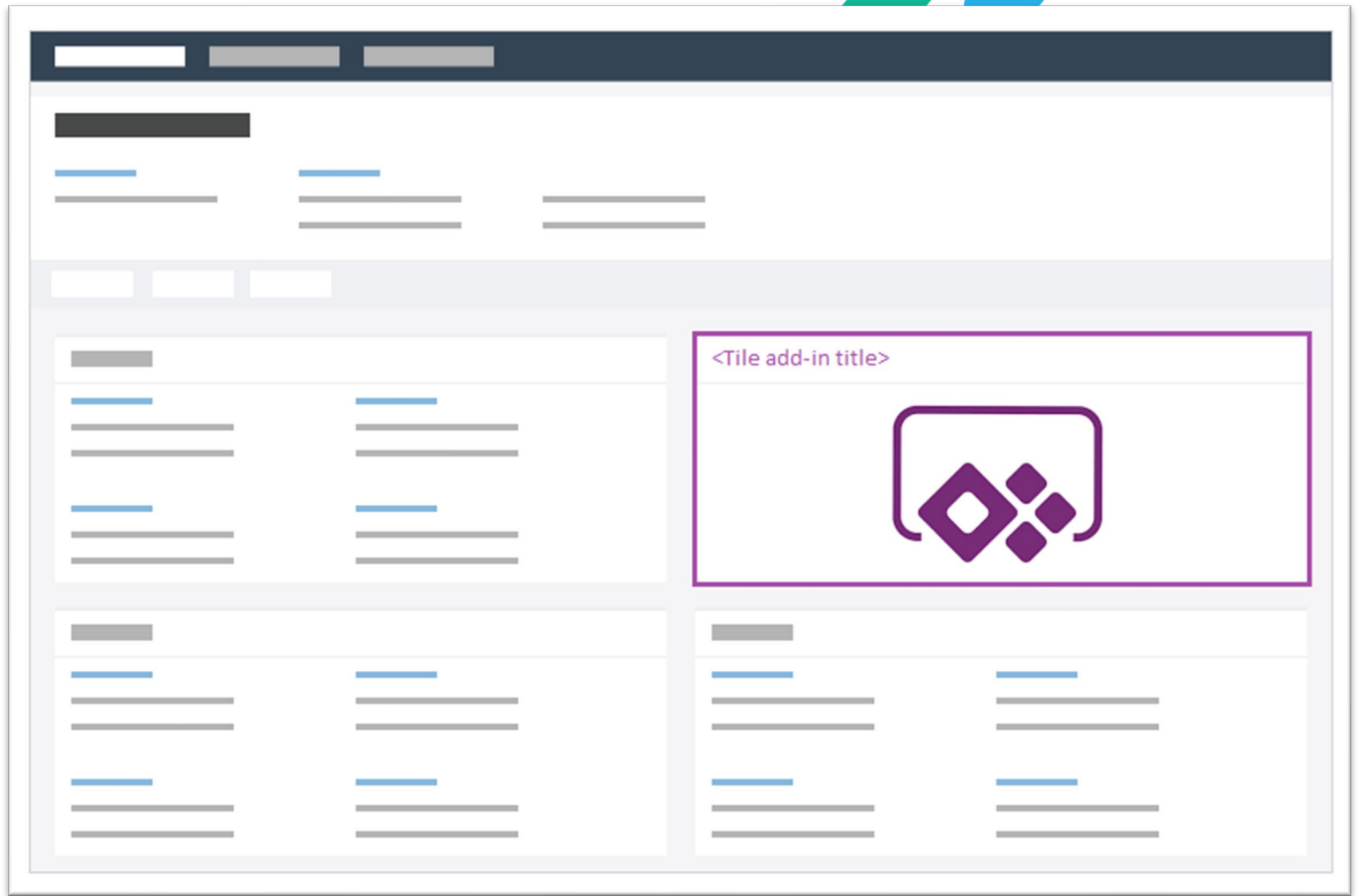
Pre-event	Invited	Attending	Not attending	Interested
	15	14	0	0

The "Add-ins" dropdown menu is highlighted in green, indicating a new extension point. The "Email event participants" panel is also visible, showing fields for "Subject" and "Email" with a "Send" button.

# Power Apps and SKY Add-ins

You can now combine the power of SKY Add-ins with Microsoft Power Apps without the need to for your own hosting provider.

Launch your Power App in a tile, button, modal or flyout within the Blackbaud user interface.





# Power Apps Host SPA

Instead of providing your own URL for your SKY Add-in, you can use the Power Apps Host SPA URL to load your Power App ID into an add-in type.

<https://app.blackbaud.com/addin-powerapp-host/add-in-type?appId=YOURPOWERAPPID>

**Power Apps Host SPA**      **Add-in type**      **App ID**



# Example: Email event participants

Power Apps can be used to create a simple email form.

The Power App can be displayed on an Event record in Raiser's Edge NXT as a tile.

The Power App will receive context values to retrieve the email addresses of the participants attending the event.

The screenshot displays the 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 shows an event record for 'Afternoon Tea' with the date and time '6/20/2009 2:00 PM to 5:00 PM'. Below the event title, there is a description: 'We will be meeting at the Playground Site for a brief meeting and introduction. We will then be taking the shuttle to Cobblestone House for tea and desserts.' The interface includes an 'Edit' button and an 'Add-ins' dropdown menu. The 'Details' section shows event information: 'Event details' with 'Lookup ID: AFTERNOON TEA', 'Category: Social', 'Event goal: \$5,000.00', and 'Capacity: 100'. The 'Location' is 'Cobblestone House, 65 Carriage Lane'. The 'Participants' section shows 'Work with participants' and a 'Pre-event' summary: 15 Invited, 14 Attending, 0 Not attending, and 0 Interested. A Power App tile titled 'Email event participants' is overlaid on the right side. It contains the text: 'This Power App will send an email to all participants for the event'. The 'Subject' field is 'The email subject'. The 'Email' field has a rich text editor with a toolbar. Below the email field, it states: 'These represent context values provided by the Blackbaud host application', 'Environment ID: p-TTKCifLPk2a\_nZYGhwHdA', and 'Context record ID: 8'. A 'Send' button is located at the bottom right of the Power App tile.

# Test Environment for SKY Developers

- Access to a shared test environment available for all SKY Developers
- Available for RE NXT, FE NXT, Church, K-12 and BBMS

The screenshot displays the Raiser's Edge NXT web application interface for the SKY Developer Cohort. The top navigation bar includes links for Home, Fundraising, Marketing, Events, Lists, Analysis, Tools, and Control panel. A search icon, notification bell, and user profile (BW) are also visible. The main content area is divided into several sections:

- Navigation Menu:** A dark sidebar on the left lists modules: Raiser's Edge NXT, Financial Edge NXT, Church Management, Education, and Marketplace.
- Tasks:** A section on the right with a plus icon and a list of actions: Add constituent, Add gift, and Open Webhook Monitor.
- Recently accessed:** A section on the right displaying a list of users: Robert C. Hernandez, Dan Bough, Joseph P. Diresta, Jr., Ben Wong, Doug Bough, and Allison D. Goodson.
- Webhook Monitor:** A section on the right with a plus icon and a table of webhooks. The table has columns for the webhook name and its status (Not provisioned).

Webhook Name	Status
com.blackbaud.constituent.add.v1	Not provisioned
com.blackbaud.constituent.change.v1	Not provisioned
com.blackbaud.constituent.delete.v1	Not provisioned
Constituent address added	Not provisioned

The main content area also features several news items and feature updates:

- Customer success - 6/11/2021:** Sign up for the latest Report Builder Bootcamp with Customer Success.
- What's recent - 6/1/2021:** Recent features include finding events based on ID and adding JustGiving gift and donor data into Raiser's Edge NXT.
- What's recent - 5/25/2021:** Recent features include viewing event attendance from a constituent's timeline, unlinking a payment for an event participant, and redirecting donors to a web page on your organization's website.
- What's recent - 5/18/2021:** Recent features include managing summary notes for event participants and adding environment admins.

# Resources

- [Blackbaud Marketplace](#)
- [SKY Developer Portal](#)
- [Blackbaud Community SKY Developer](#)
- [Social Good Startup Program](#) (*application for future cohorts*)





#bbdevdays

Thank you!