UiPath 2021.4 FTS Release Partner Technical Mastermind India & APAC

Session 1 of 6: Desktop Products

The webinar will start soon!

27 Apr 2021

UiPath™

Key Themes in the 21.4 FTS release

01 Enterprise-scale management and governance of your automation program

02 AI-powered discovery, prioritization and integrated development of the most impactful automations

03 Upgrades for all user experiences from everyday business users to professional developers

04 Rapid expansion of Automation Cloud capabilities

21.4 Partner Enablement Plan

Here's a quick look at our schedule

Desktop Products
Explore the latest features of the Studio family, Robots and the UiPath Assistant

April 27, 2021
11:30am IST / 2:00pm SGT

Register Now →

AI/ML
Enhance your automations with AI

April 29, 2021
11:30am IST / 2:00pm SGT

Register Now →

Test Suite
Find out about the latest features on RPA and Software testing

May 4, 2021
11:30am IST / 2:00pm SGT

Register Now →

Apps, Activities, Connectors
Start deliver engaging experience using UiPath's low code-app builder

May 6, 2021
11:30am IST / 2:00pm SGT

Register Now →

Process Understanding
AI-powered discovery and prioritization of the most impactful automations

May 11, 2021
11:30am IST / 2:00pm SGT

Register Now →

Cloud Services
Rapid expansion of the UiPath Automation Cloud(™) capabilities

May 12, 2021
11:30am IST / 2:00pm SGT

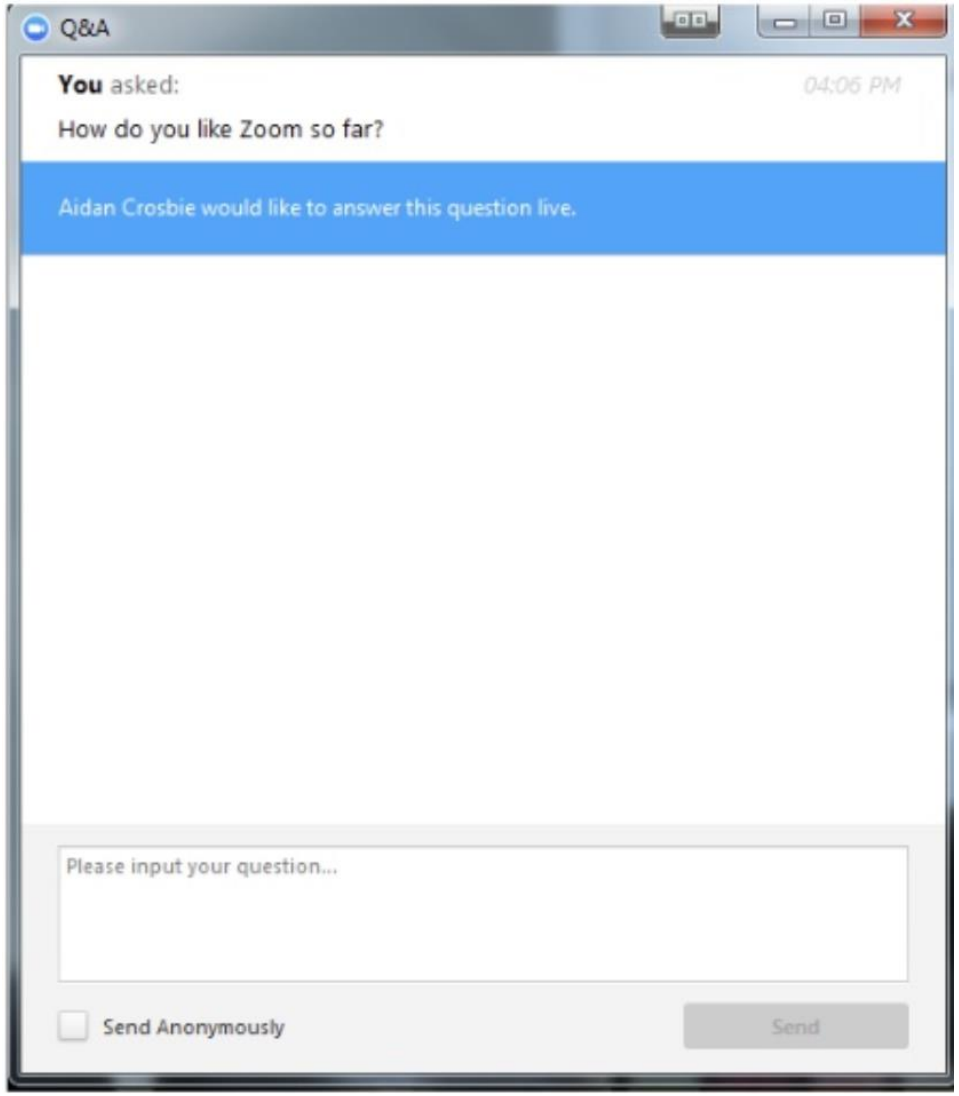
Register Now →

Quick Housekeeping notes

- Please enter your question in the Q&A box.
- We will address the questions along the way, at the end of the presentation or by follow up email.

FAQ: Is this webinar recorded?

Yes, this session is recorded and will be posted on the same page where you registered for attending.

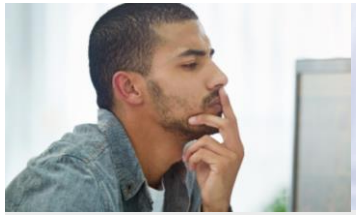


The UiPath Platform enables the fully automated enterprise

End-Users

Process Analysts

Automation & Citizen Developers



IT Operations

Business Users

Business Analysts

UiPath Automation Platform

Discover

Discover automation opportunities powered by AI and your people

Build

Build automations quickly, from the simple to the advanced

Manage

Manage, deploy and optimize automation at enterprise scale

Run

Run automations through robots that work with your applications and data

Engage

Engage people and robots as one team for seamless process collaboration

Measure

Measure operations and performance to align with business outcomes

Existing Applications

Example Systems of Record: On-premises and SaaS applications

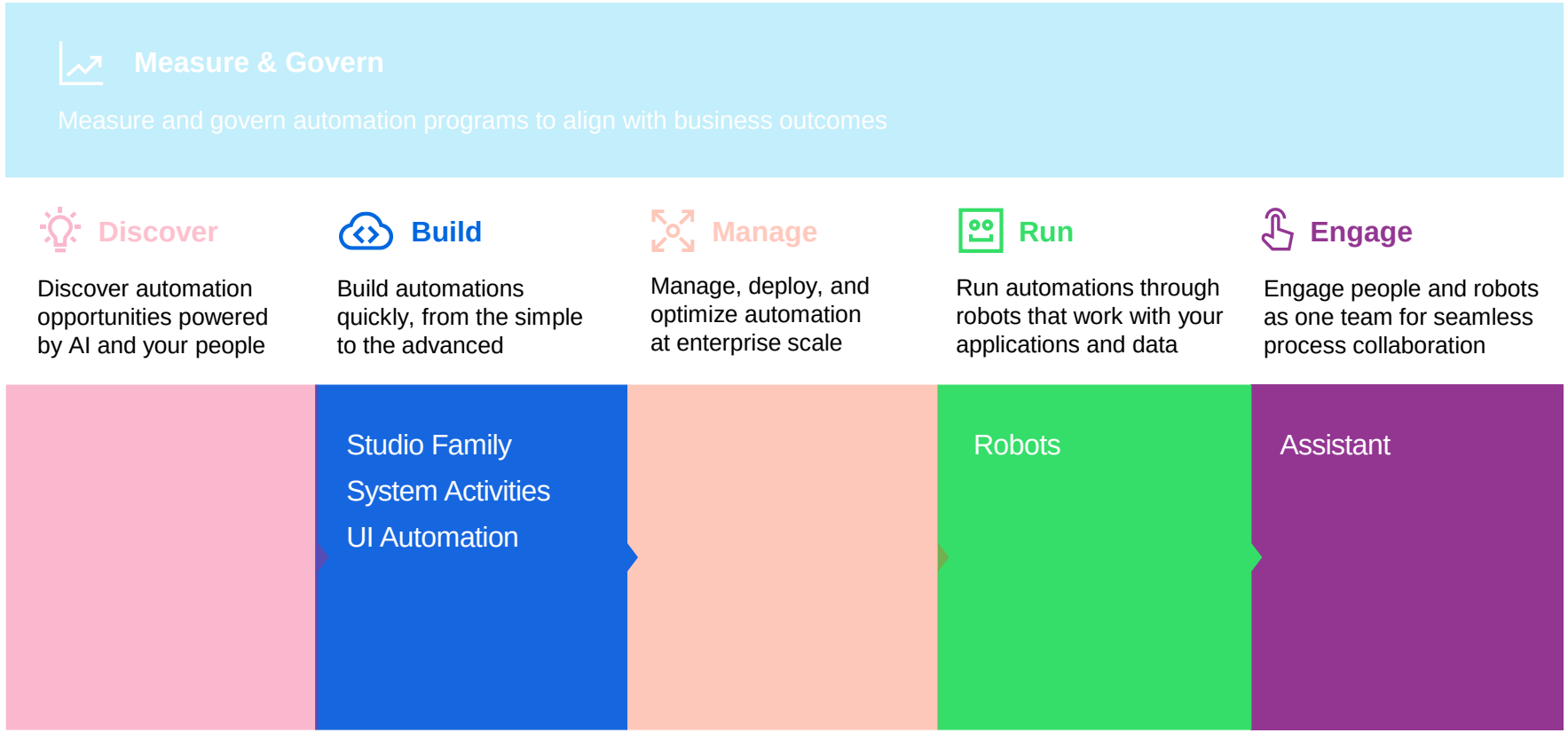
DocuSign, slack, alteryx, SIEBEL, salesforce, workday, Office 365, servicenow, ORACLE, coupa, SAP, Epic

Mainframe applications

Homegrown applications

UiPath Platform

Expedite automation time-to-value and ongoing ROI across the entire lifecycle



Studio 2021.4

Technical Enablement Session

UiPath Reboot Work.™

Disclaimer

The following information is meant only for internal presentations. Please checkout the Highspot Enablement page for external materials.

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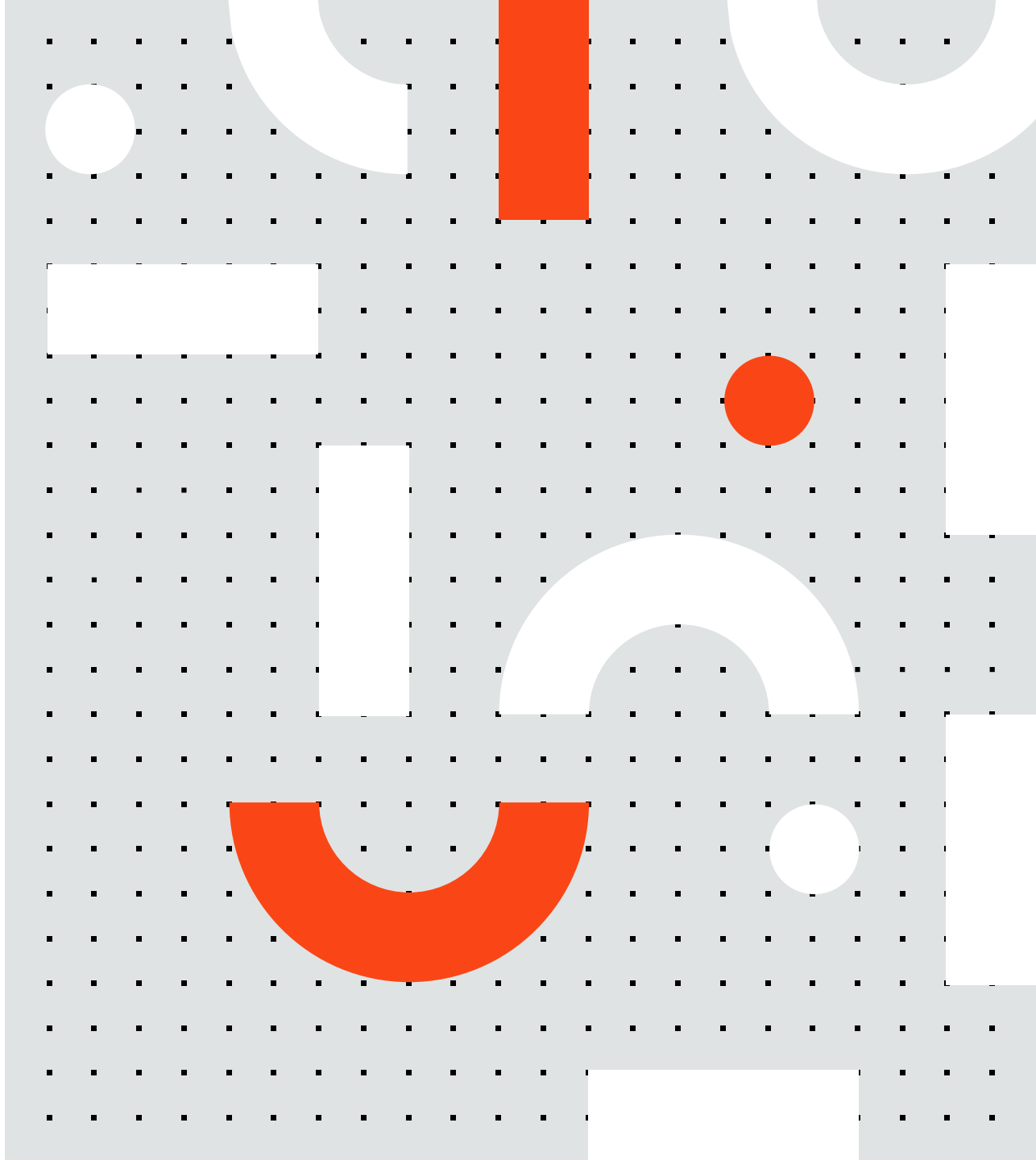
Assign Process Icon

What's new



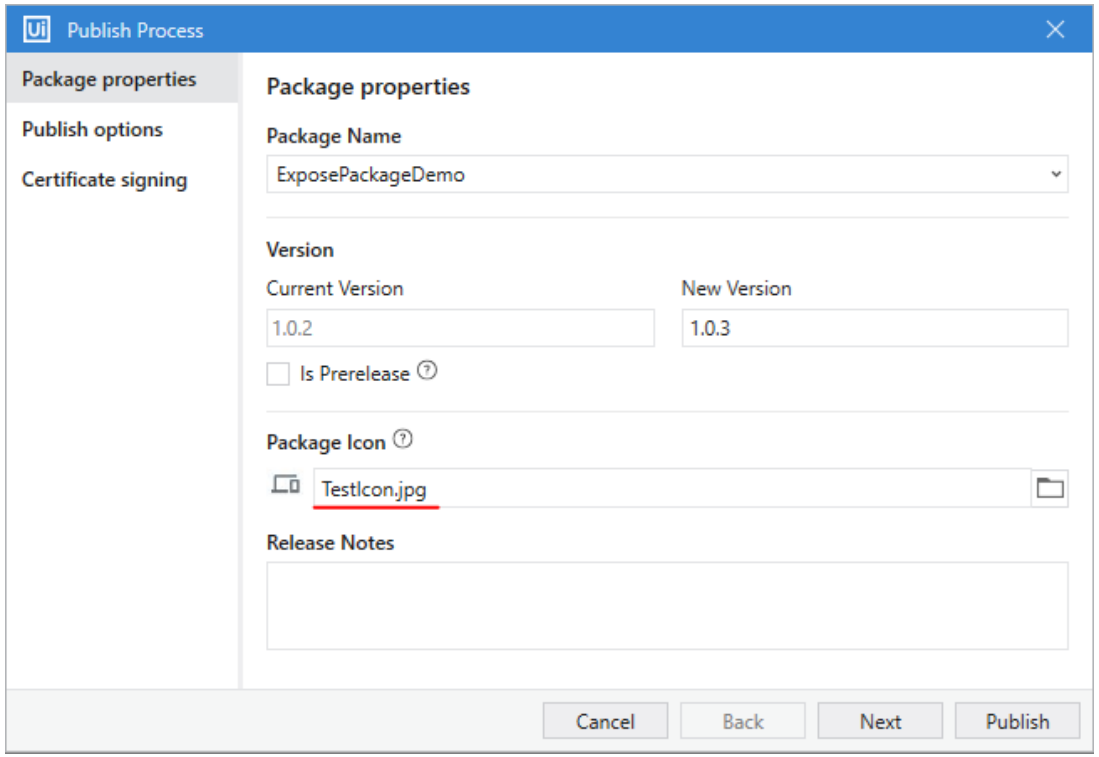
What's New | Assign Process Icon

Updates

This feature addresses the lack of visual impact of identifying processes as previously the only option to differentiate the processes one from the other was just text.

Now there are multiple ways of adding an icon to your process:

- From the project settings
- When publishing the package to the orchestrator
- When publishing from CMD



Object Repository

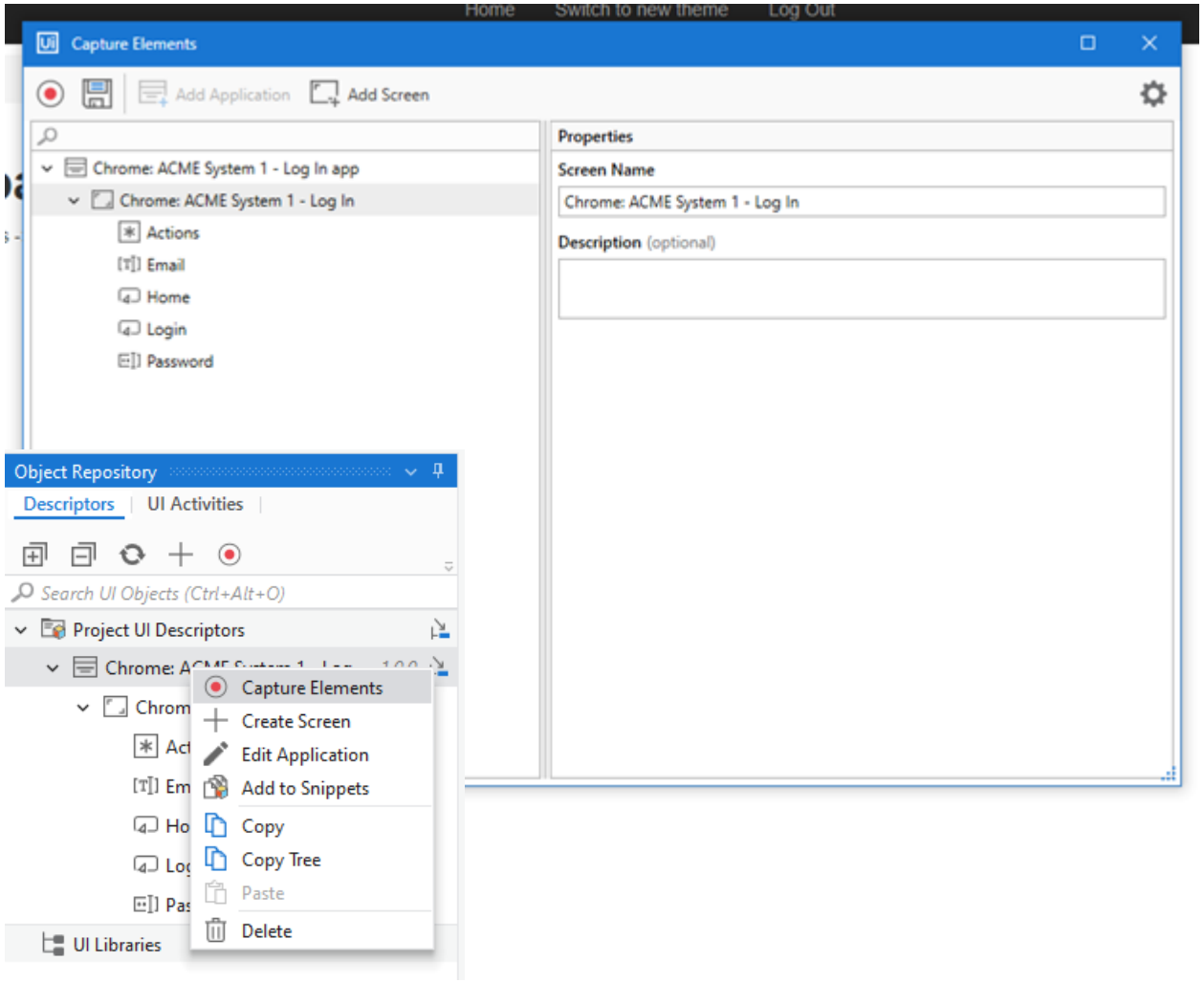
Improvements
What's new

UiPath™

Improvements | Object Repository

Capture Elements

In this update, while using Capture Elements on a pre-existing Ui Descriptor/Application **the previously created elements are now also visible** and can be seen inside the Capture Elements Window

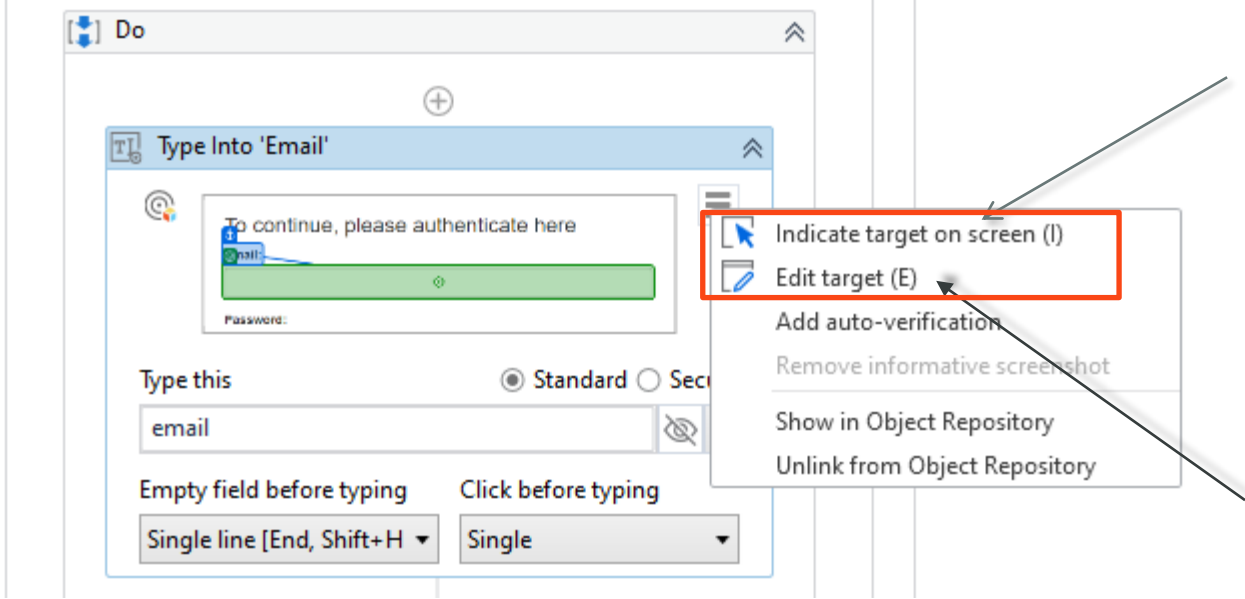


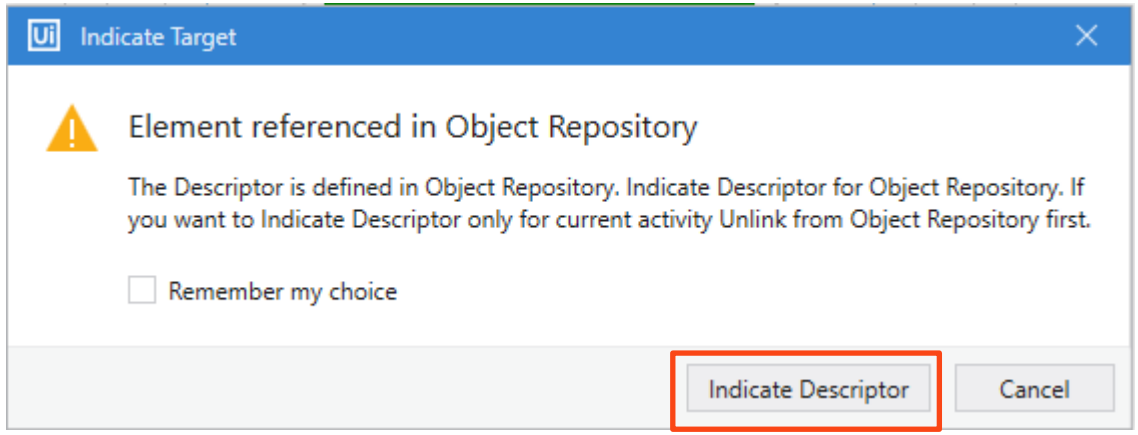
Improvements | Object Repository

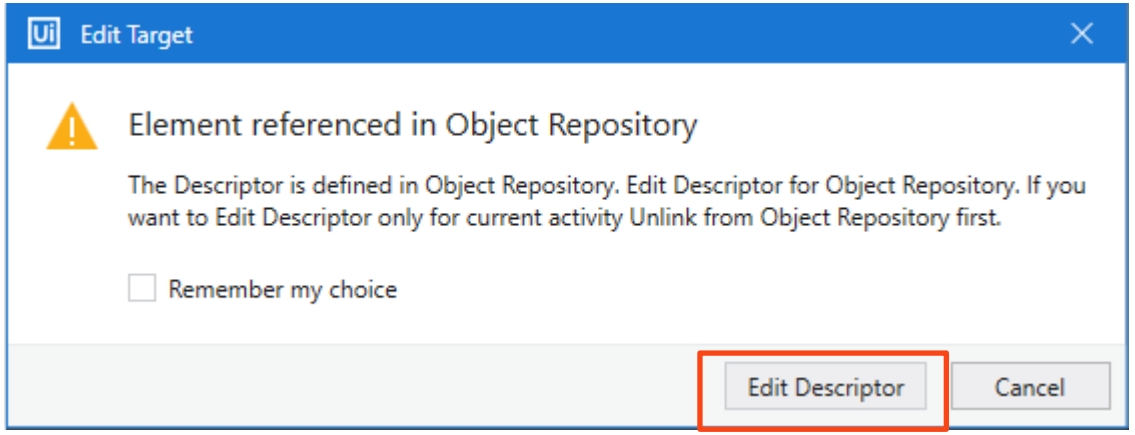
Simplified Edit/Indicate

Now it is easier to indicate a new element for the Ui Descriptor.

By simply opening the options of the activity we can select to indicate a new descriptor or edit one.







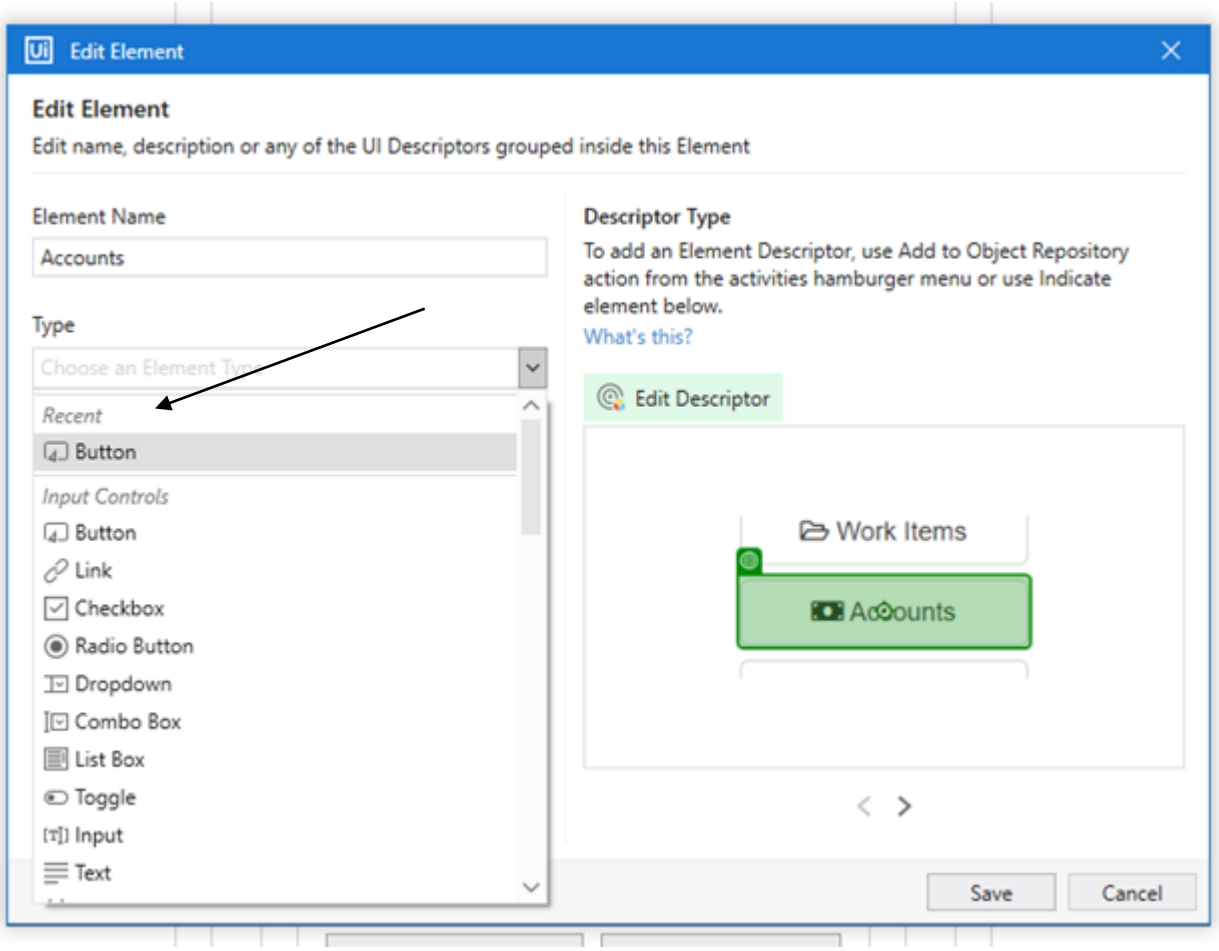
What's New | Object Repository

New Elements Type

- Column Name
- Text
- Cell
- Row Name

Recent Elements

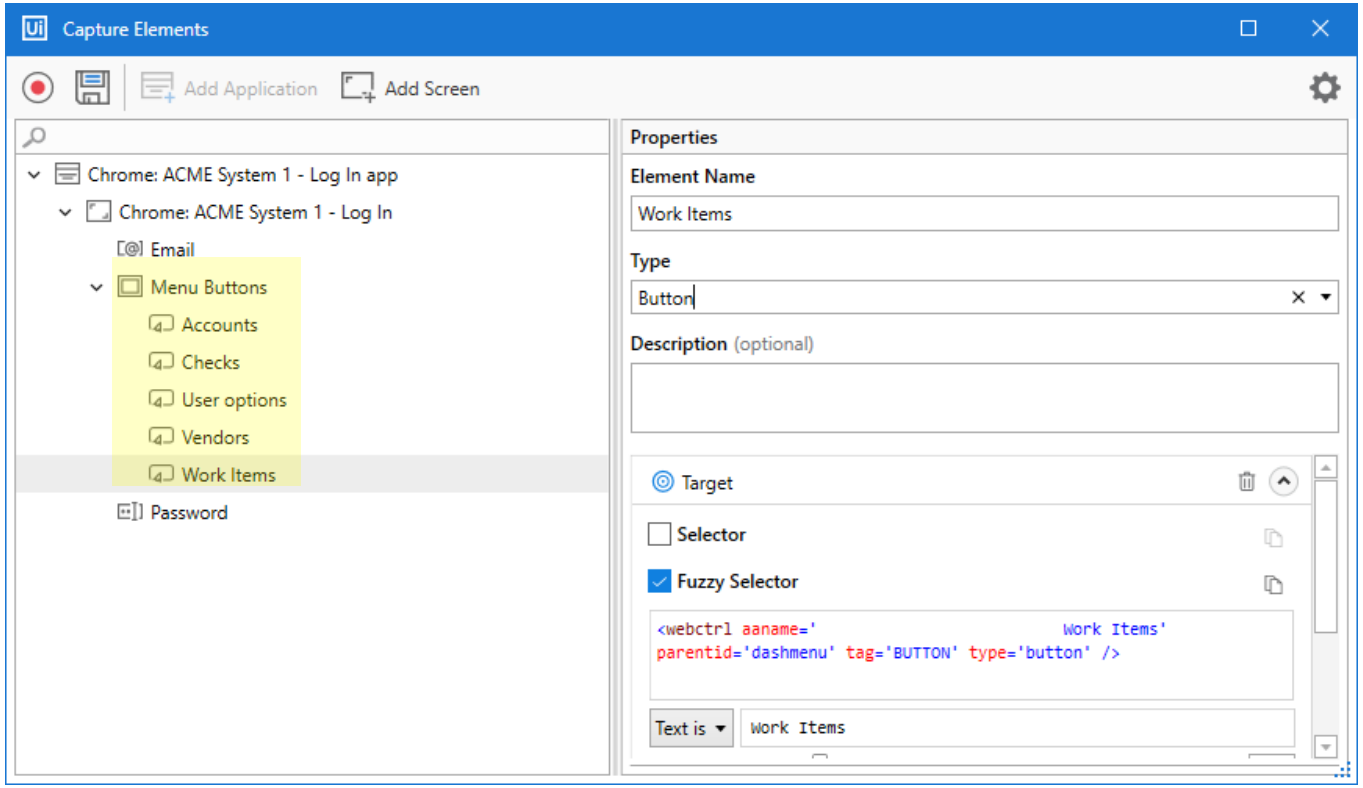
When picking an element type now we can also see the recently used elements.



What's New | Object Repository

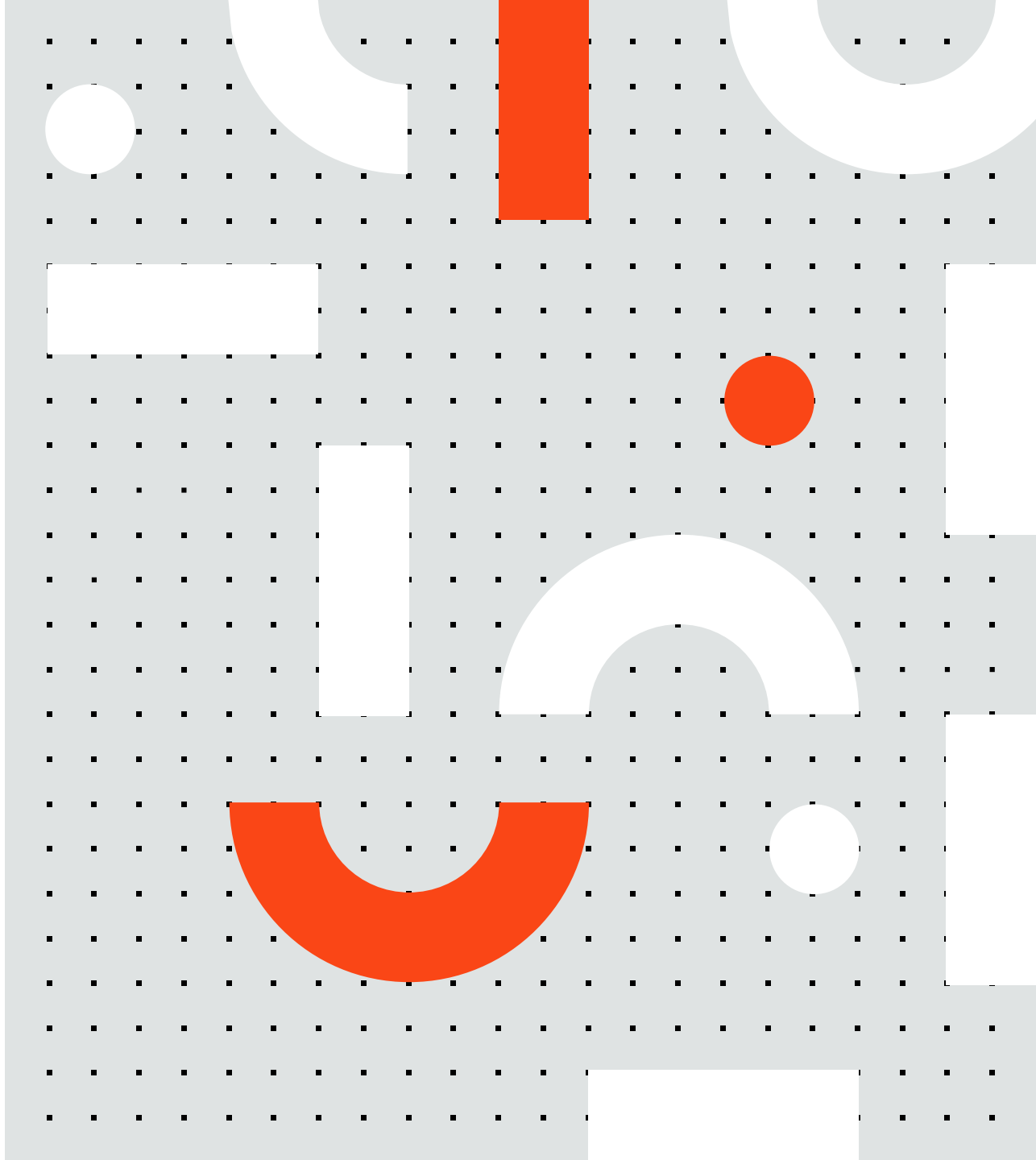
Grouping of elements

- Using drag and drop you can create groups
- Easily organize your elements



Source Control

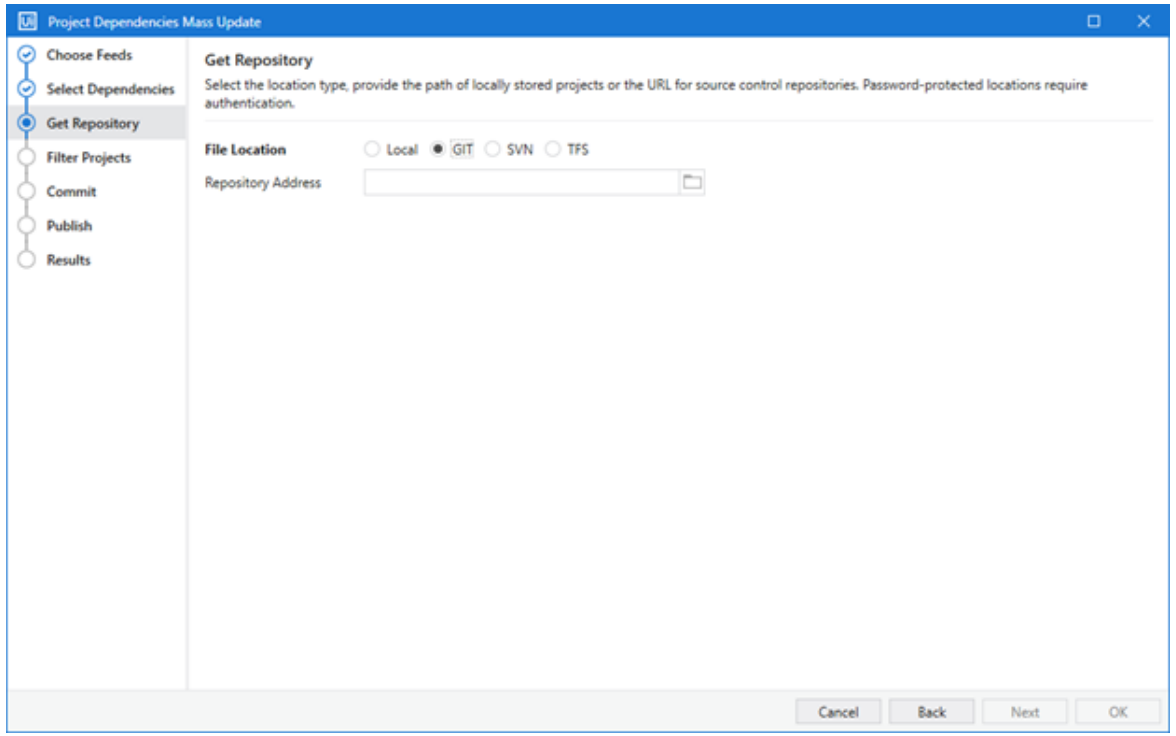
Improvements



Improvements | Source Control

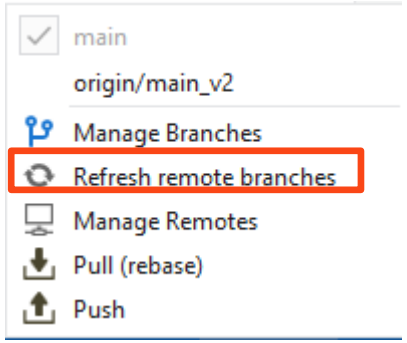
GIT in Mass Update Tool

Now it is possible to select a GIT repository when using the Project Dependencies Mass Update Tool



GIT Fetch

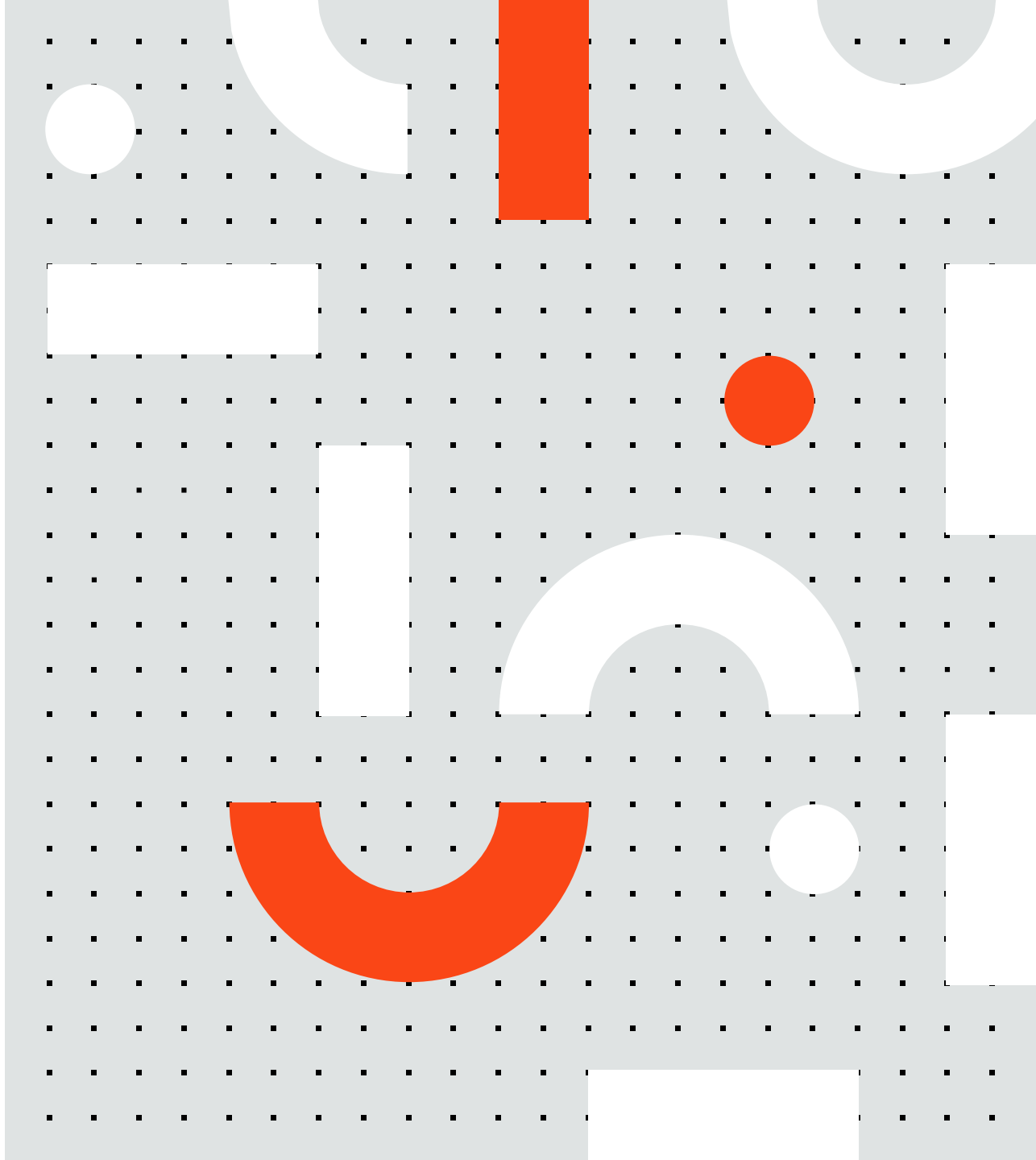
GIT Fetch is mainly the action that is done behind the scenes.



In Manage Branches we can refresh in case of any changes have been made.

UI for Library Activities

What's new

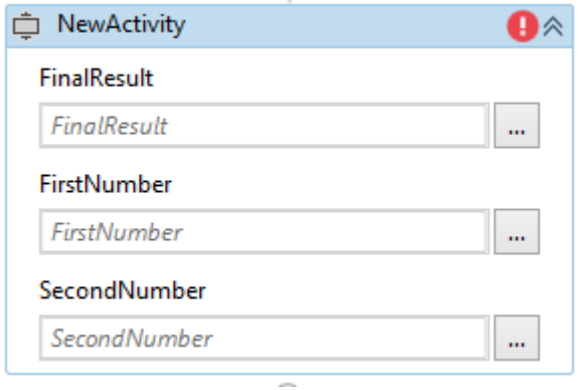


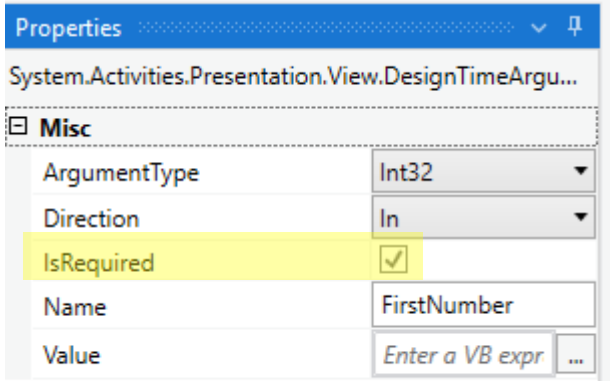
What's New | UI for Library Activities

Generate UI for Library activities based on arguments

Now publishing a library with arguments which have the "IsRequired" option checked will automatically generate UI

Ex.

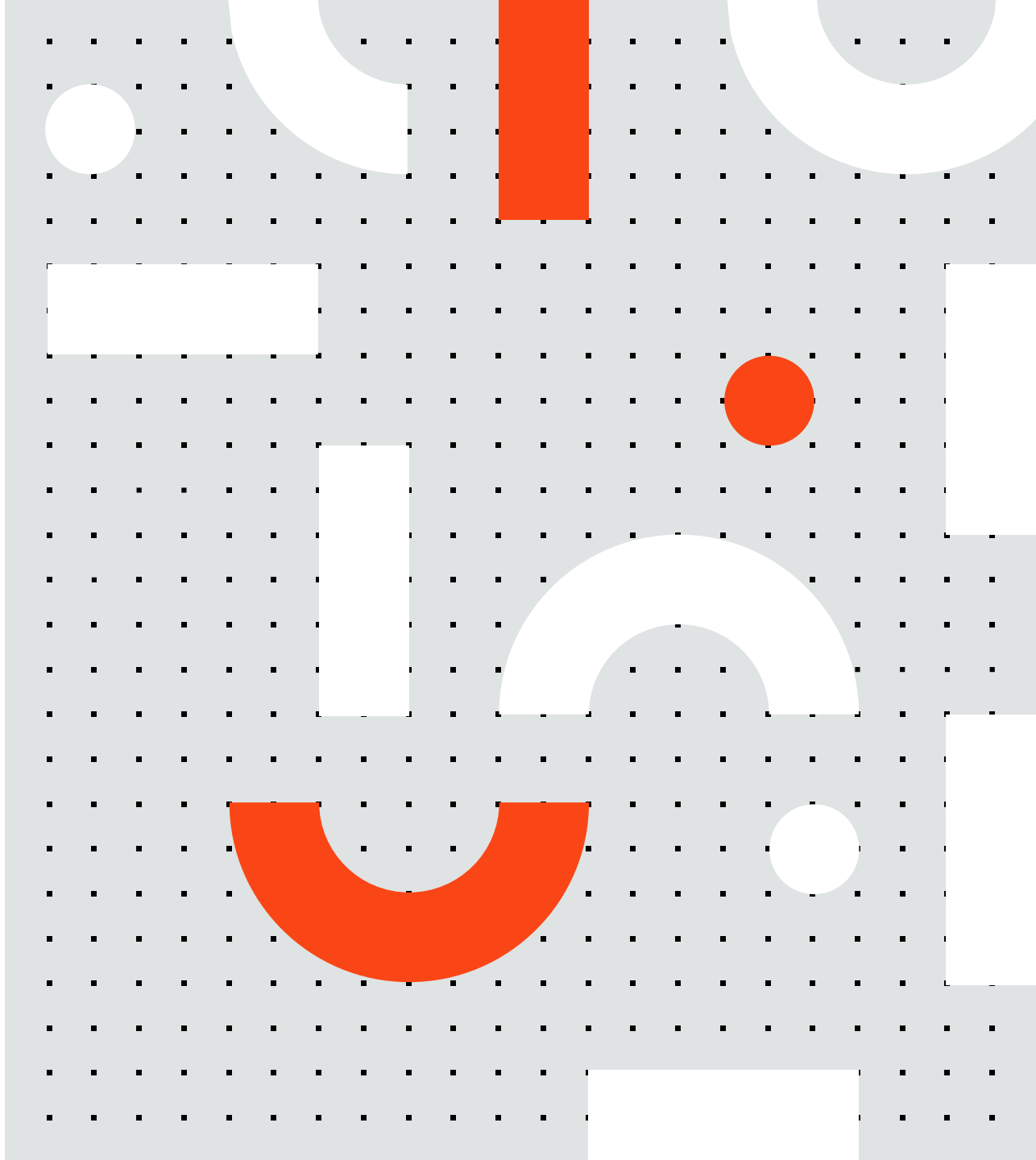




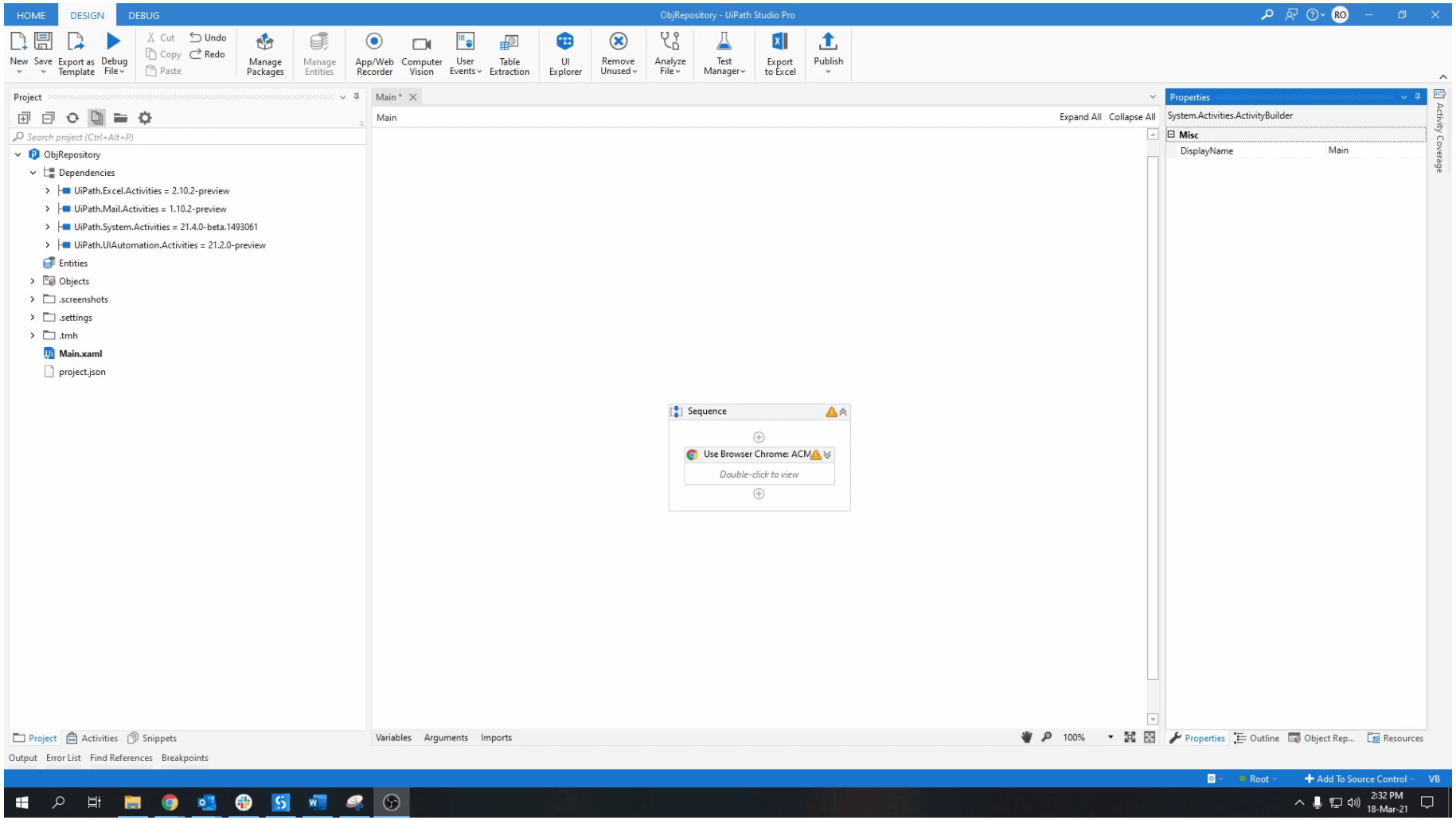
Name	Direction	Argument type	Default value
FirstNumber	In	Int32	*Enter a VB expression*
SecondNumber	In	Int32	*Enter a VB expression*
FinalResult	Out	Int32	*Default value not supported*
Create Argument			

Enhanced Error Display

What's new



What's New | Enhanced Error Display



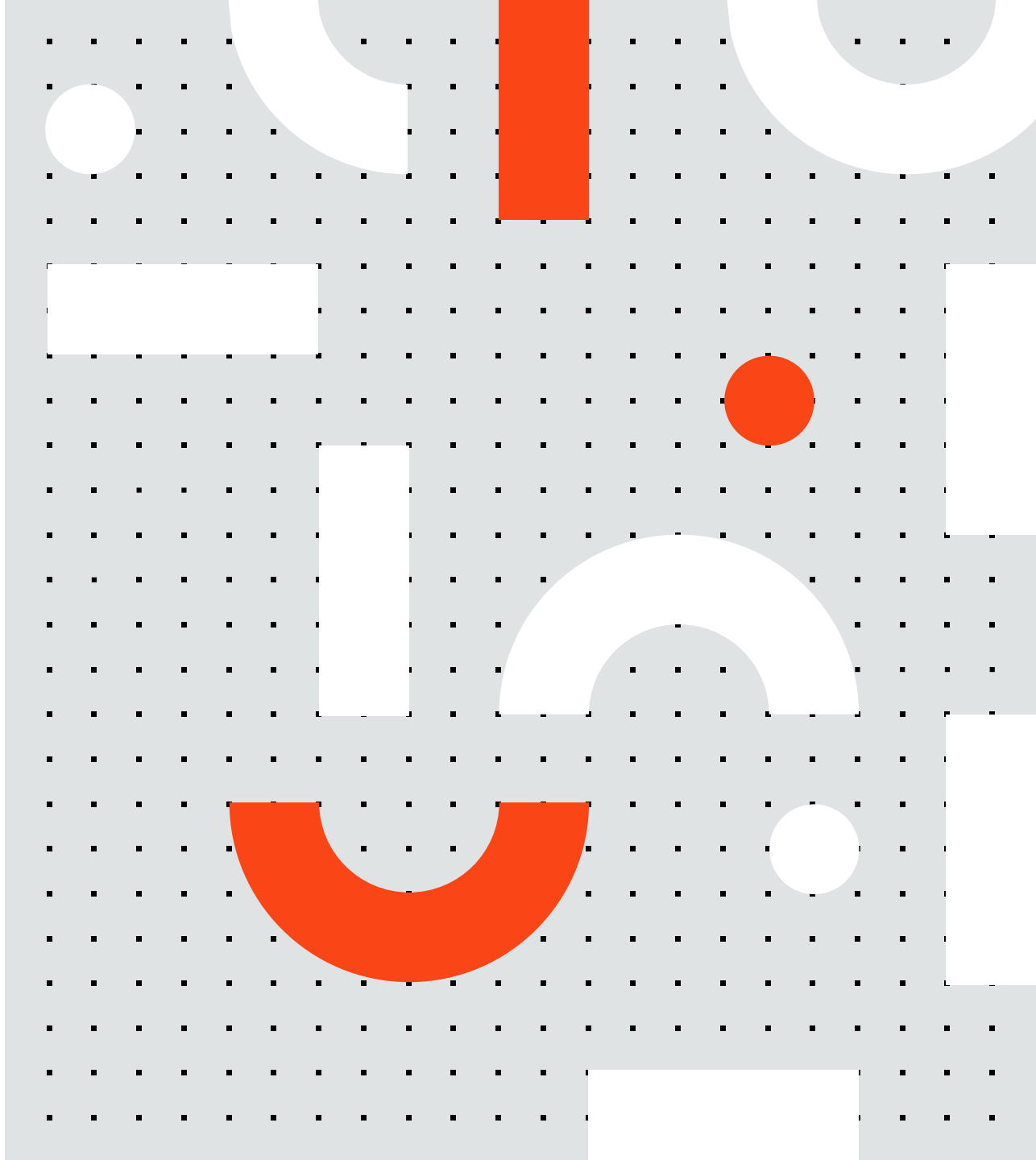
Improvements

Errors are also shown in activity property.

Clicking the error icon will bring you to the first activity which has an error.

Buttons

What’s new



What's New | Buttons

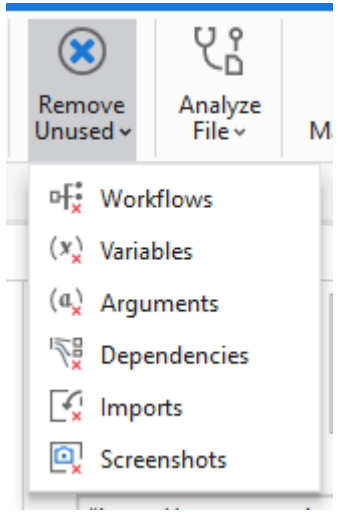
Remove Unused Button

Old Buttons are removed

Unified Button

You can remove unused:

- Workflows
- Dependencies
- Screenshots

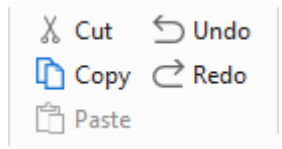


From the **current project** and

- Variables
- Arguments
- Imports

From the **current file**

Undo/Redo Buttons



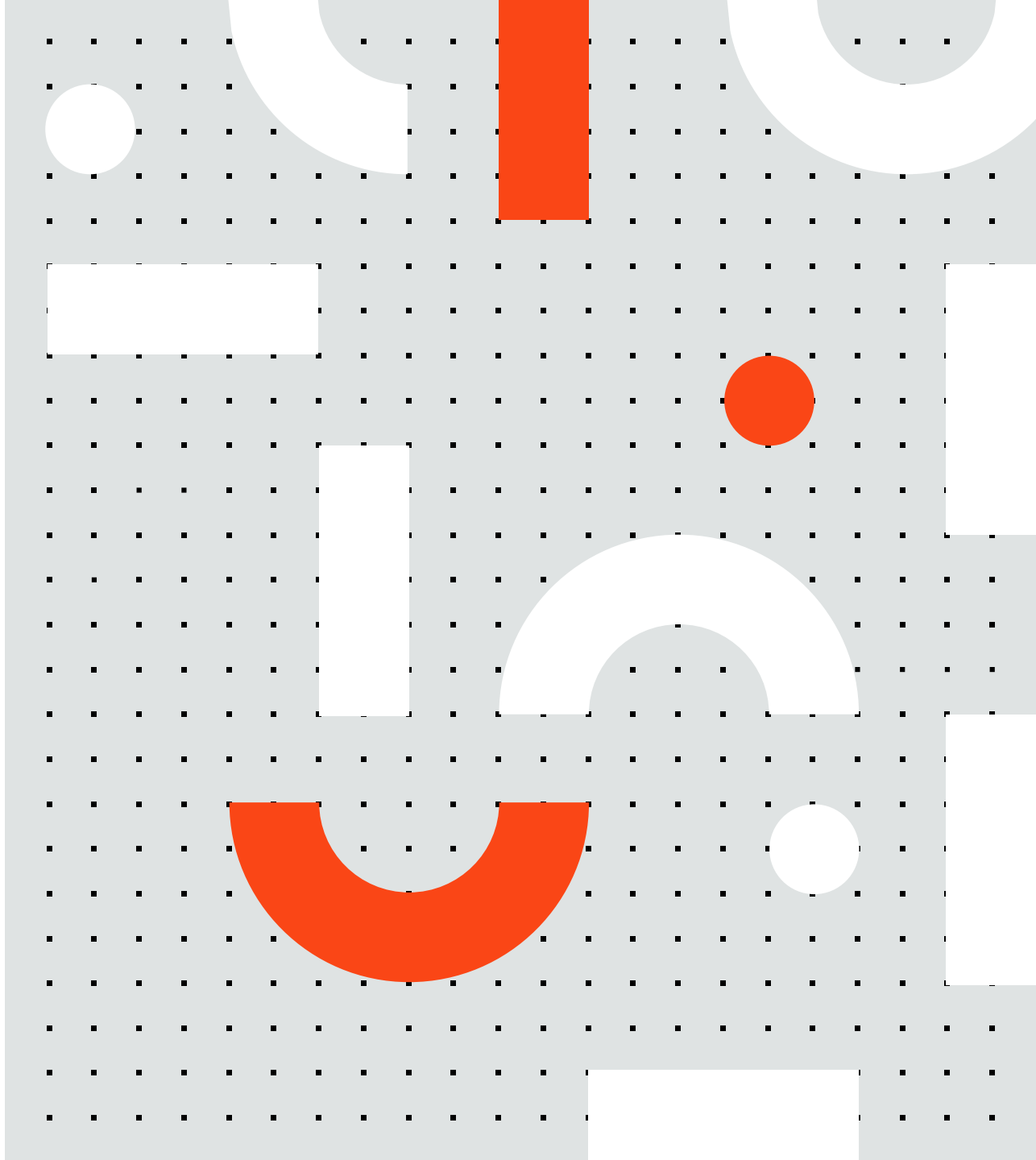
The Undo/Redo buttons have been added with their specific keyboard shortcuts:

Undo – CTRL + Z

Redo – CTRL + Y

Test & Run From This Activity

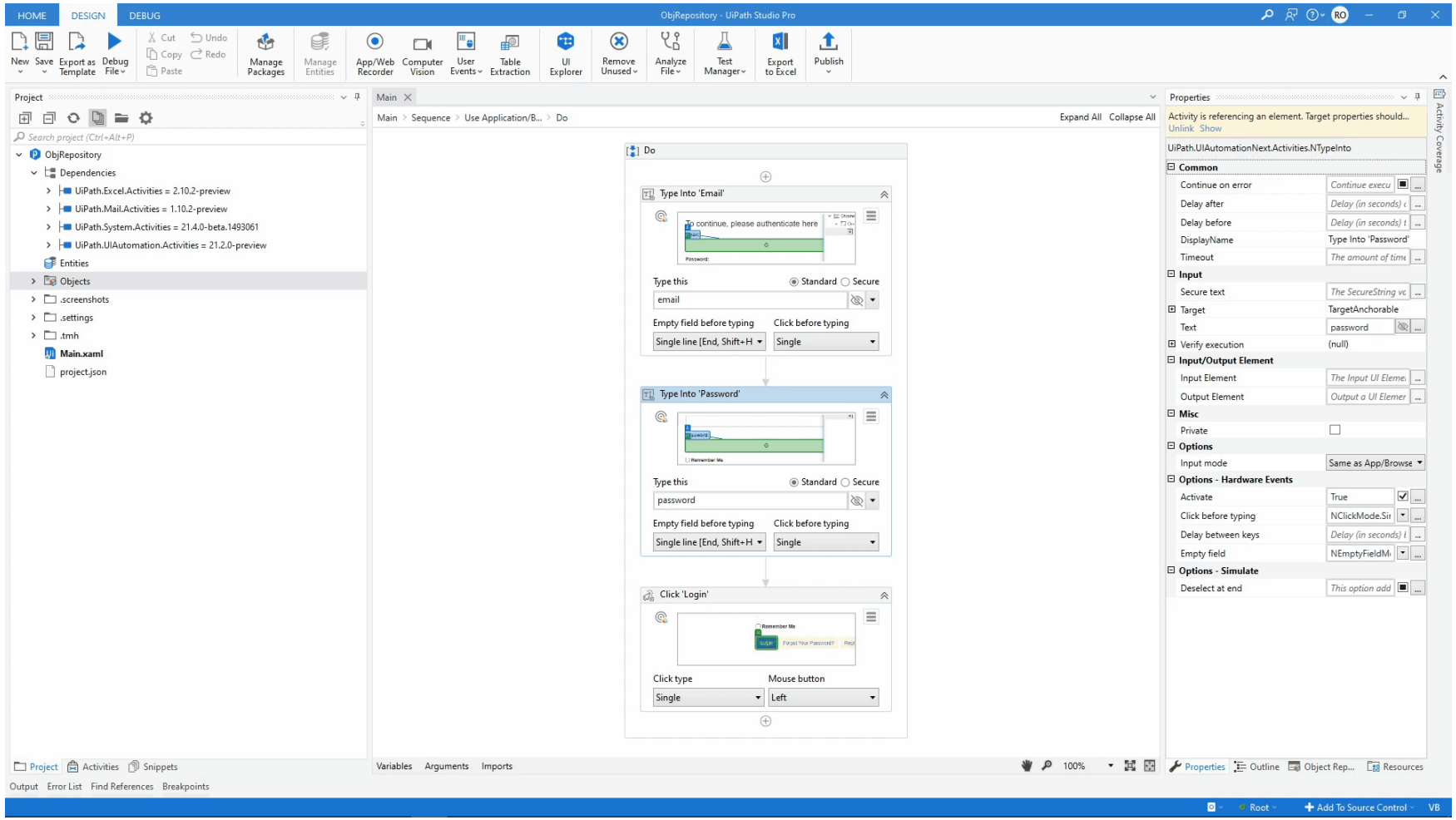
Improvements



Improvements | Test & Run From This Activity

Improvements

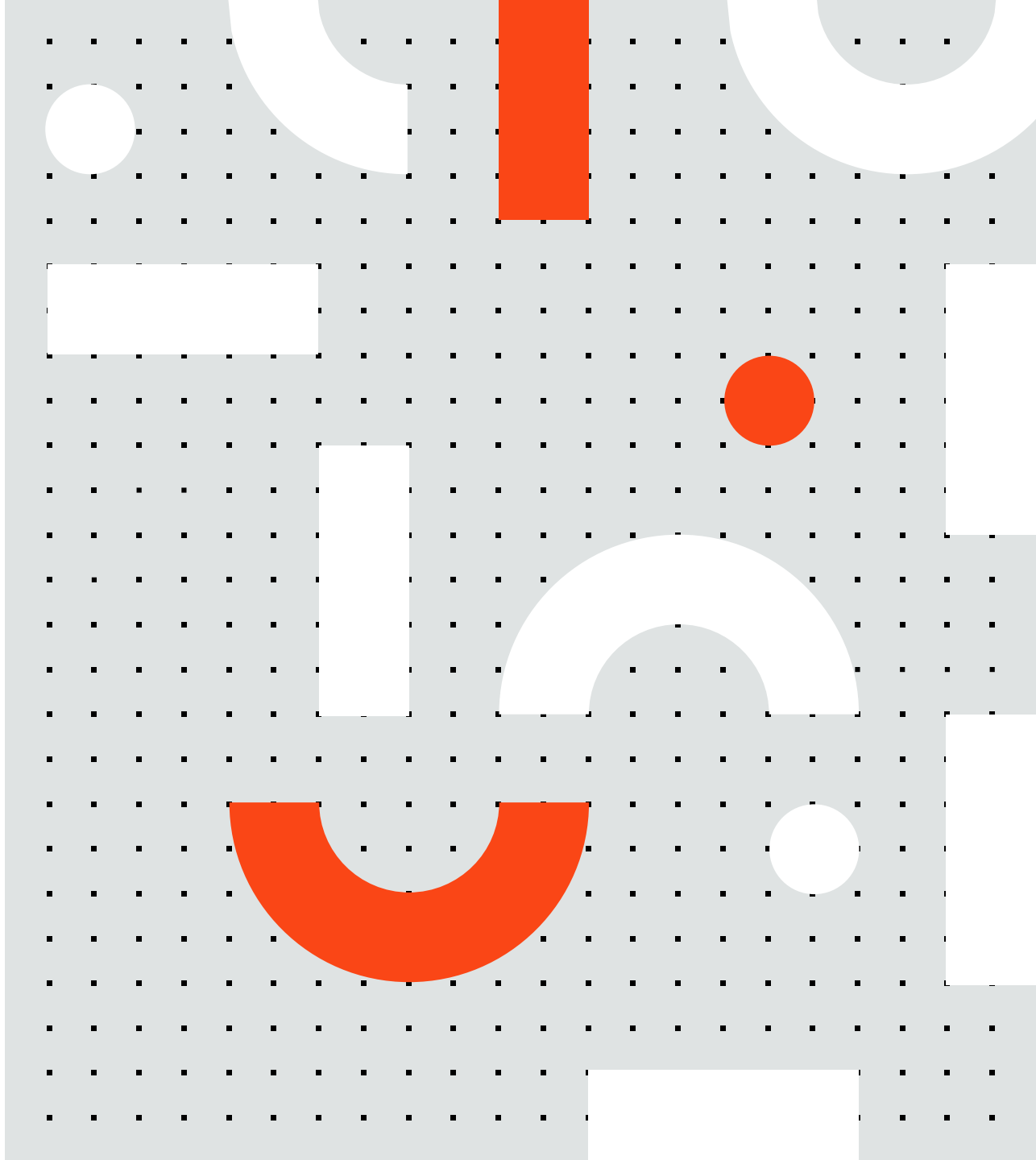
Test Activity and Run From This Activity will automatically open the container/scope for the activity.



Run From This Example

System.Activities

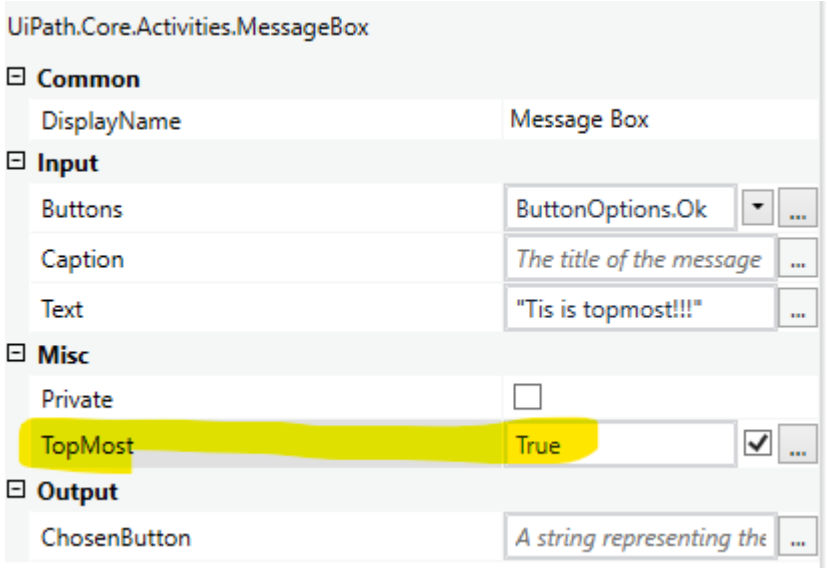
Improvements



Improvements | System.Activities

TopMost for notification window

Select File, Select Folder, Input Dialog will now have the **TopMost** priority **always enabled**.

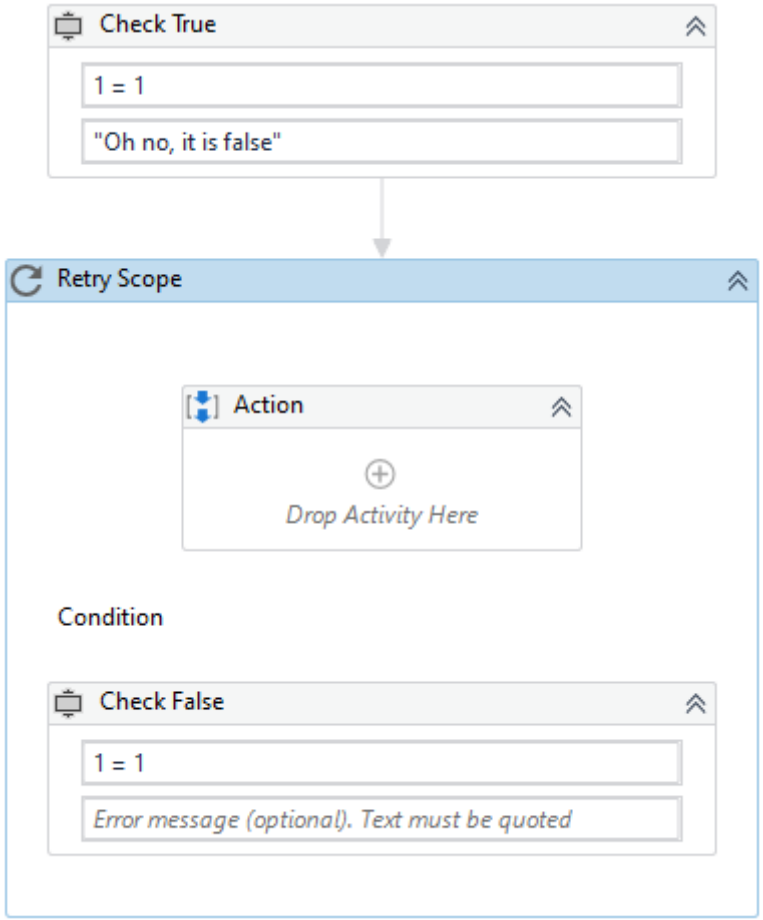


Message Box now has the TopMost property available.

Improvements | System.Activities

Check True / Check False activities for Retry Scope activity

Check True and Check False can now be used as conditional activities, as part of the System.Activities package.



Improvements | System.Activities

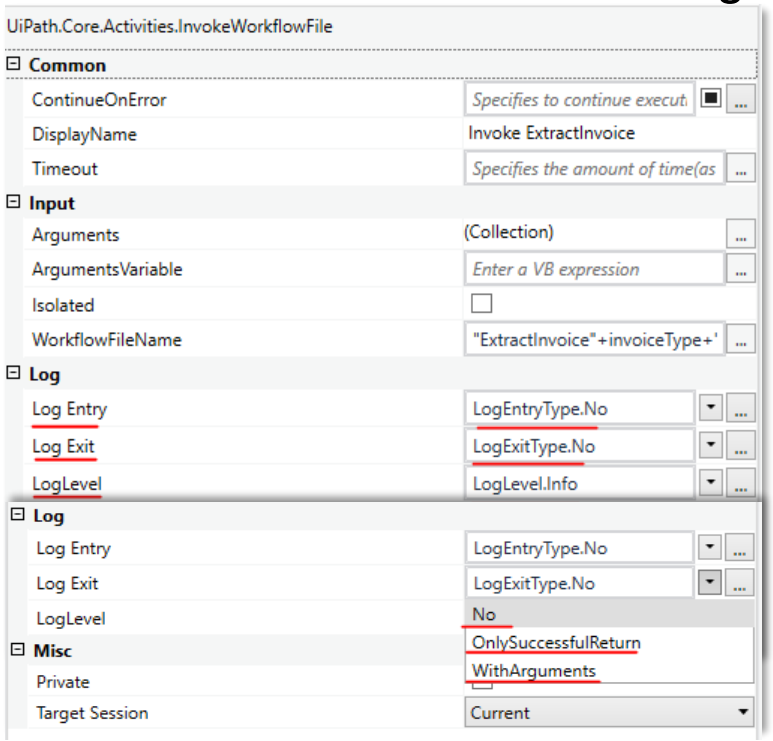
Dynamic arguments list for Invoke Workflow & Invoke Process

You can now provide a custom and dynamic generated argument Dictionary to an invoked workflow/process

Invoke Workflow & Invoke Process automatic logging

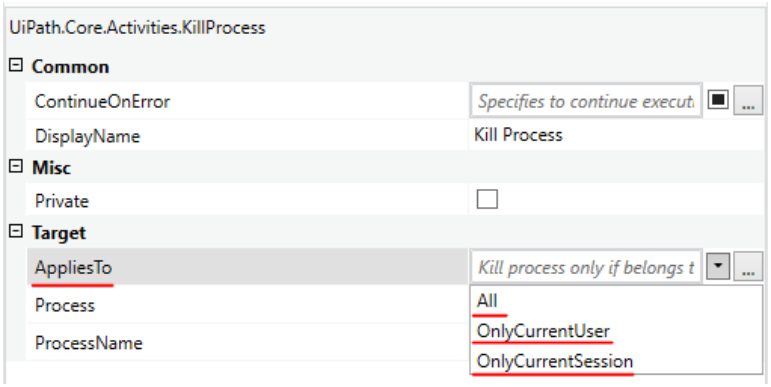
Three new properties: **Log Entry**,**Log Exit**, **Log Level**

Used for logging entry/exit from an Invoke Workflow/Process and to set the log level



Improvements | System.Activities

Kill Process activity filtering



Useful in high density/PIP

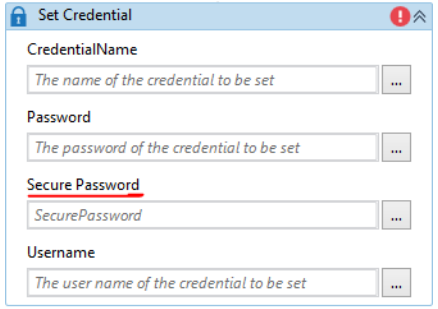
This filtering option applies to

- All processes matching the search criteria

- Processes on current user – (**Useful in high density**)

- Processes started in current login session (**Useful In PIP**)

SecureString argument for Set Credential

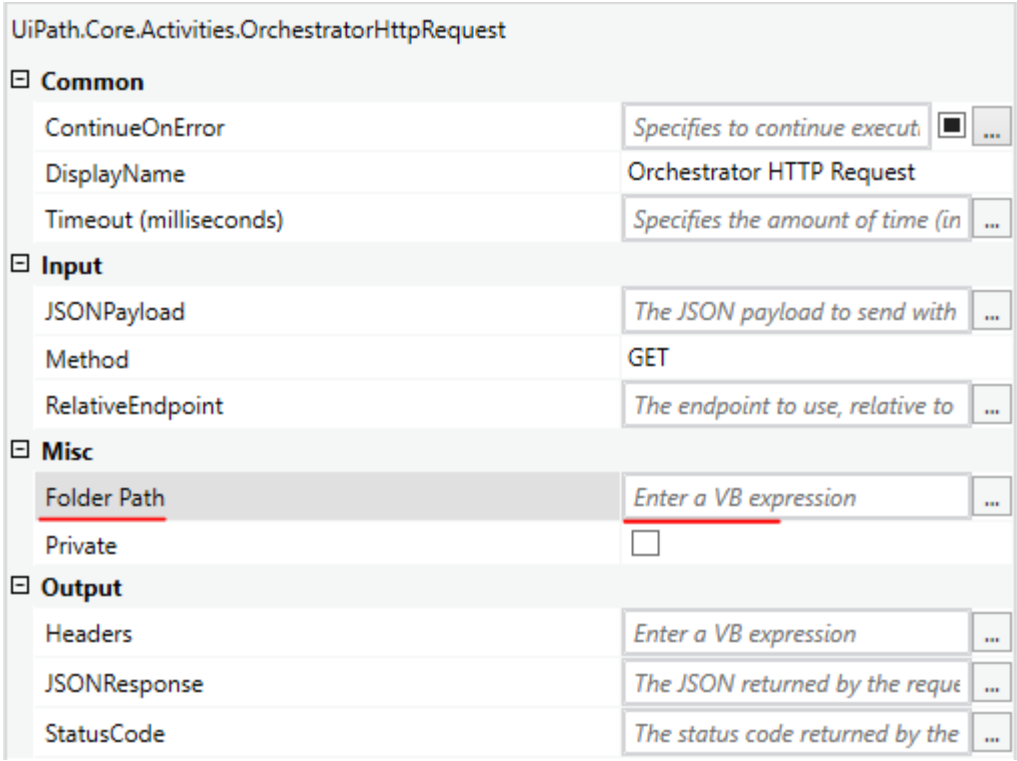


You can now provide a String or SecureString as password inside Set Credential Activity.

Improvements | System.Activities

Folder path support for Orchestrator HTTP Request

You can now specify a different Orchestrator folder than the currently connected one when running an Orchestrator HTTP Request.



Demo

UiPath Reboot Work.™

Thank you!

UiPath Reboot Work.™

StudioX 21.4

Product Enablement Session

UiPath Reboot Work.™

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Agenda

1. Highly Requested
2. Excel
3. Mail
4. PowerPoint
5. GSuite
6. Mix&Match Studio/StudioX
7. Data Tables
8. Governance

Highly requested

- Create Excel charts and insert into Word and PowerPoint
- Open files from SharePoint using URL
- Format Cells – adds support for Alignment, Font, and Fill color
- HTML Editor for creating rich emails without Word
- Shared Mailbox support
- GSuite Integration

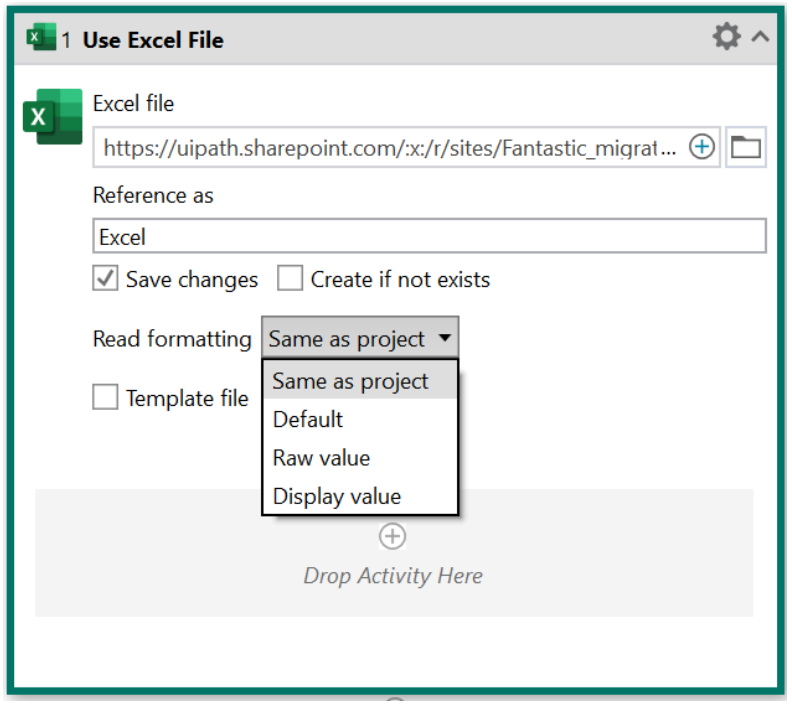
Let’s See It

What’s new

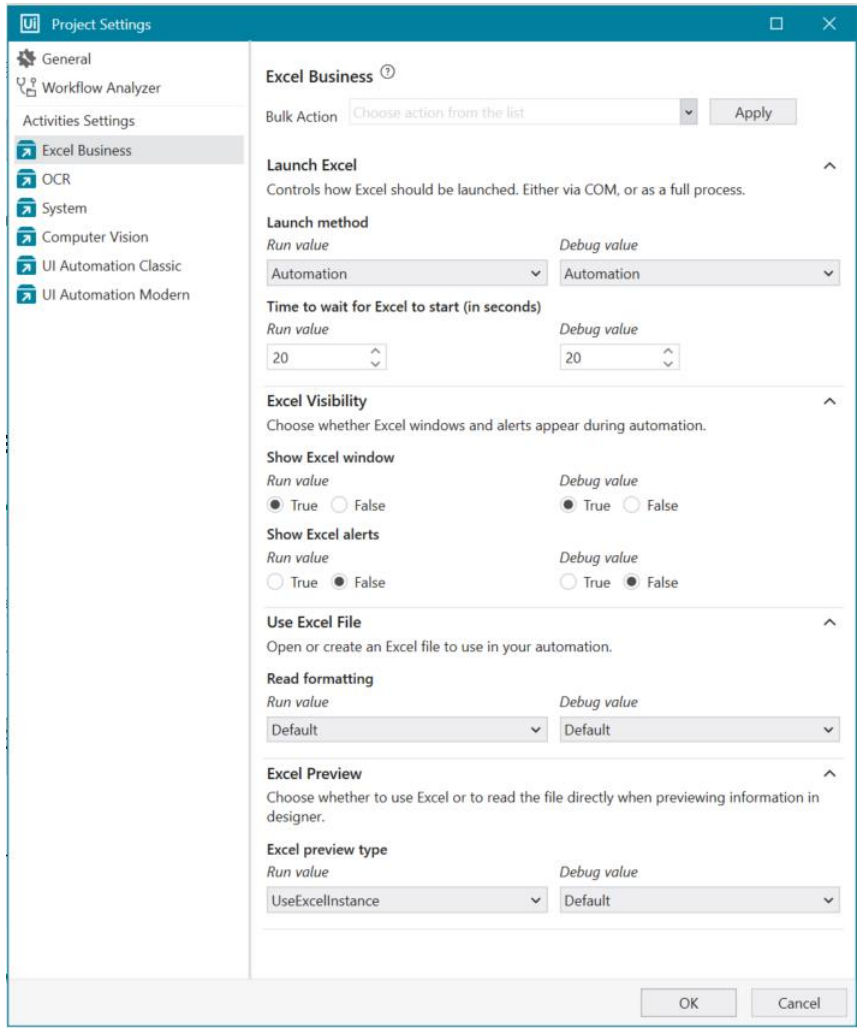
UiPath Reboot Work.™

What's new | Excel

- Open files from **SharePoint** using URL
  - Get **displayed formatting**



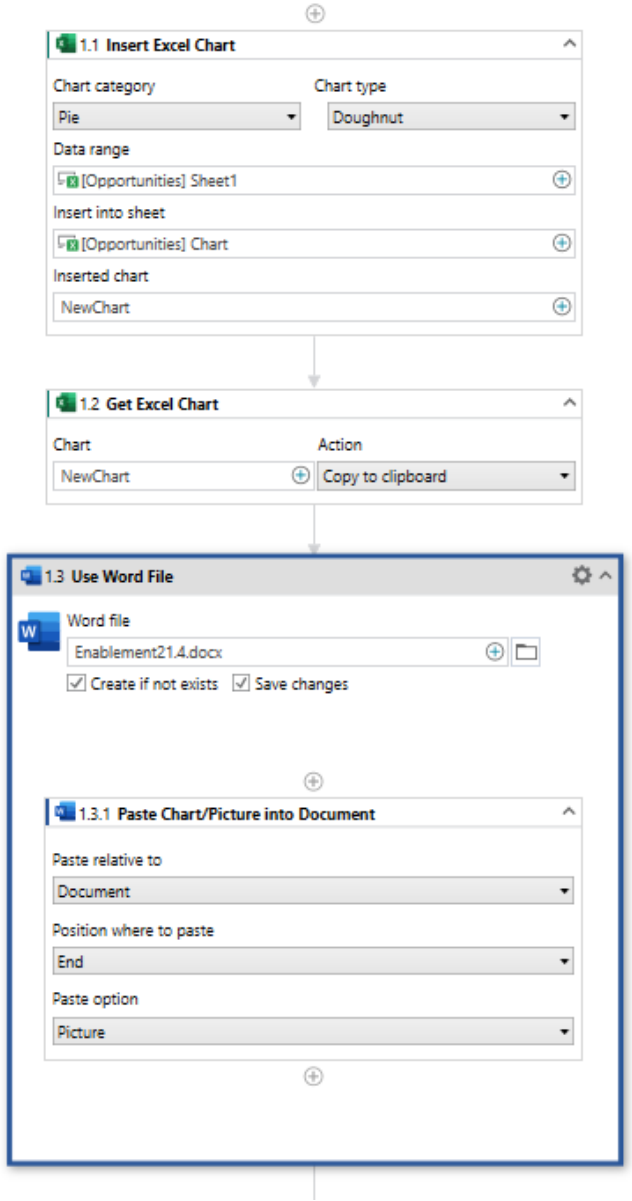
What's new | Excel



Excel Project Settings

- Launch Method
- Time to wait for Excel to start
- Excel Visibility
- Read Formatting
- Excel Preview

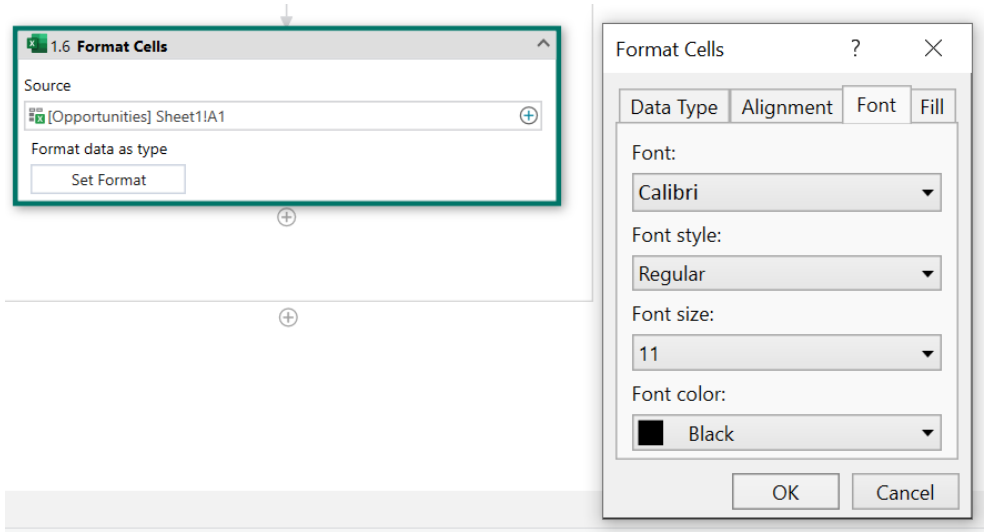
What's new | Excel

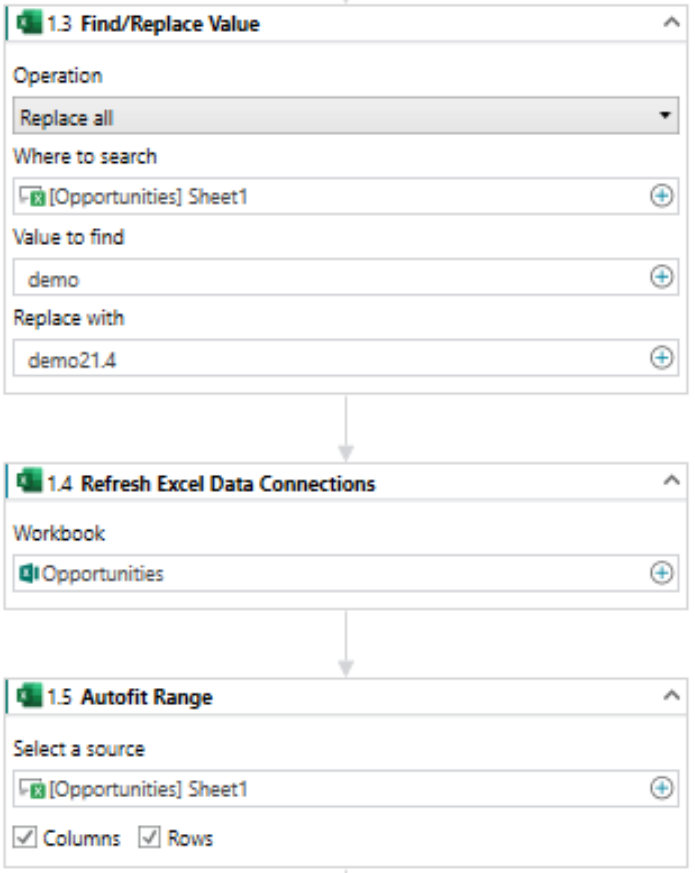


- Get, Create, Update **Excel charts** and insert into Word and PowerPoint

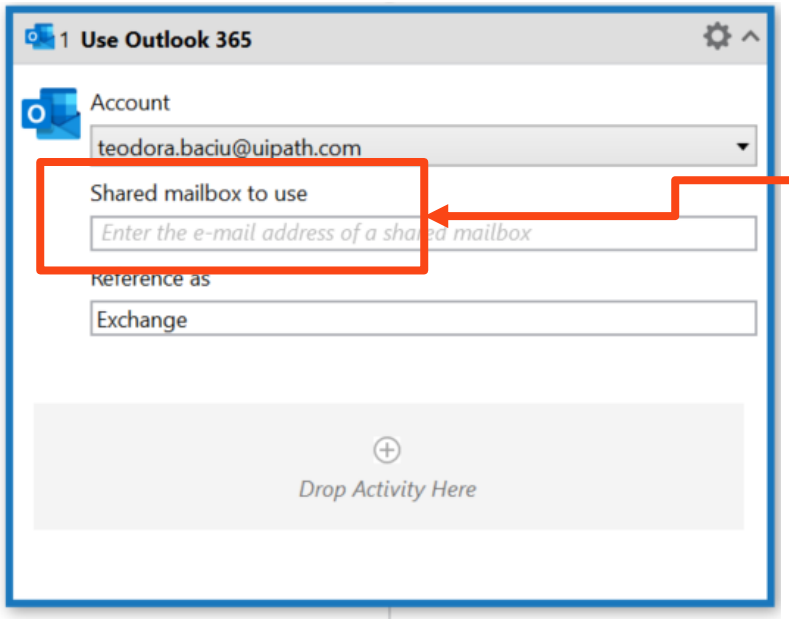
What's new | Excel

- **Find/Replace** Value
- **Refresh** Excel Data Connections
- **Autofit Range** – adds support for rows as well as columns
- **Format Cells** – adds support for Alignment, Font, and Fill color





What's new | Mail

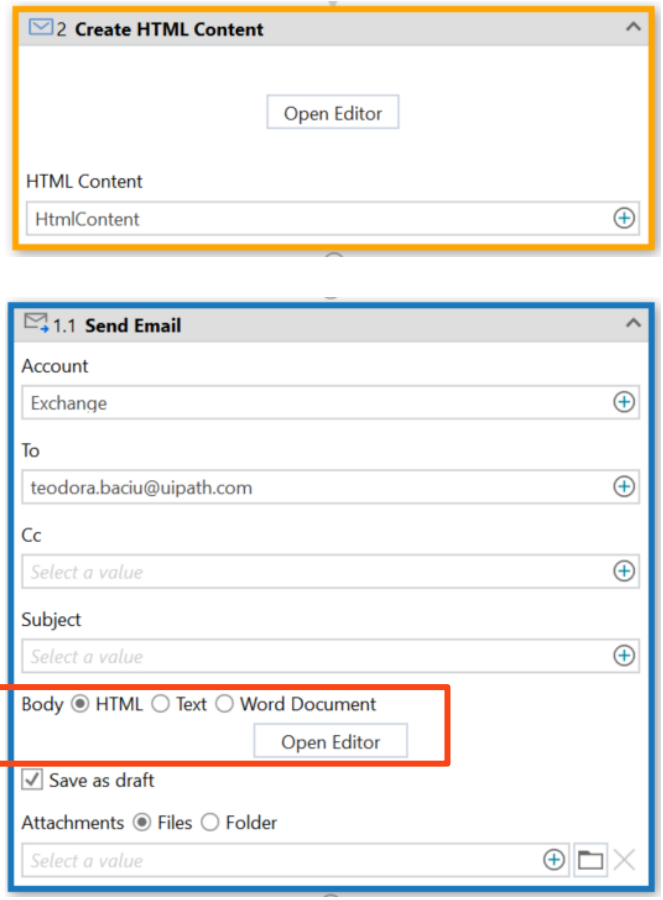


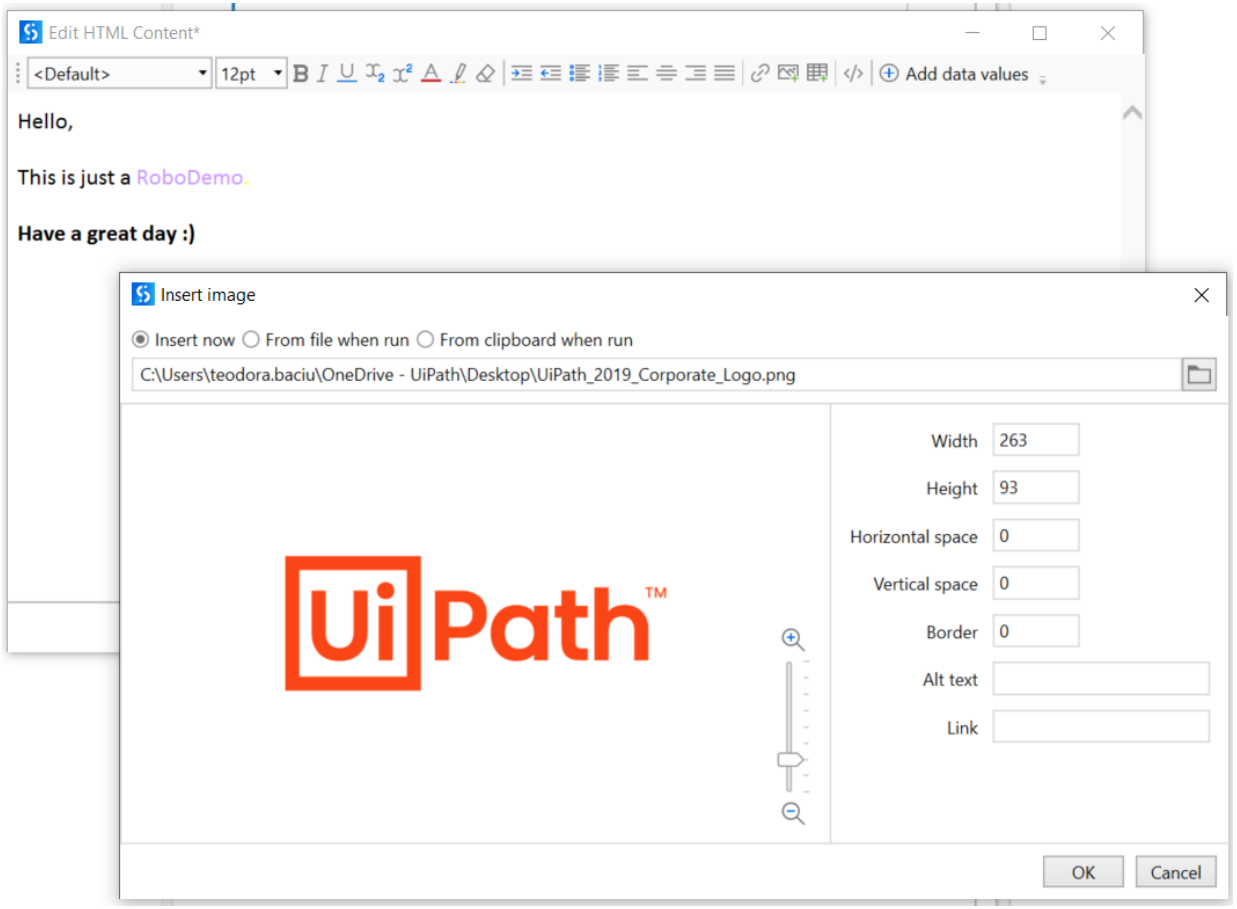
- **Simplified login** for Gmail and O365
- **Shared mailbox** support for Desktop Outlook
- Store **Application Credentials** for Outlook 365 and Gmail in Orchestrator

https://docs.uipath.com/activities/docs/adding-app-credentials-for-outlook-365-gmail-in-orchestrator

What's new | Mail

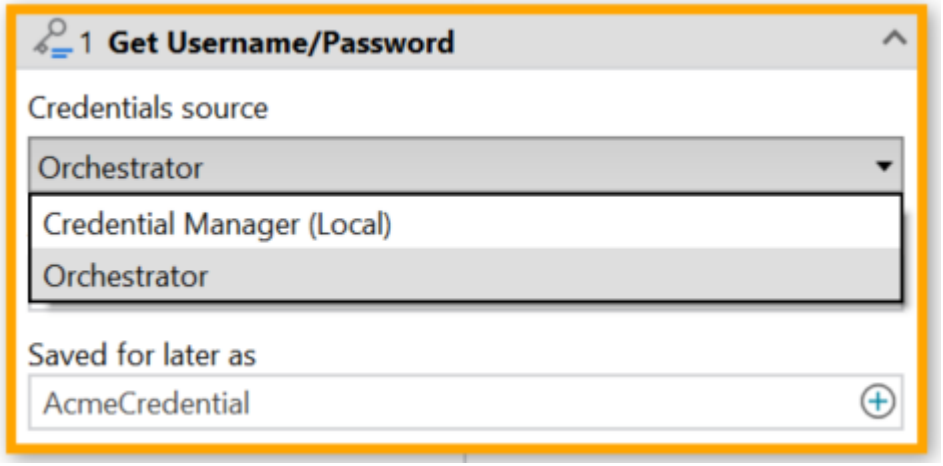
- **HTML Editor** for creating rich emails without Word

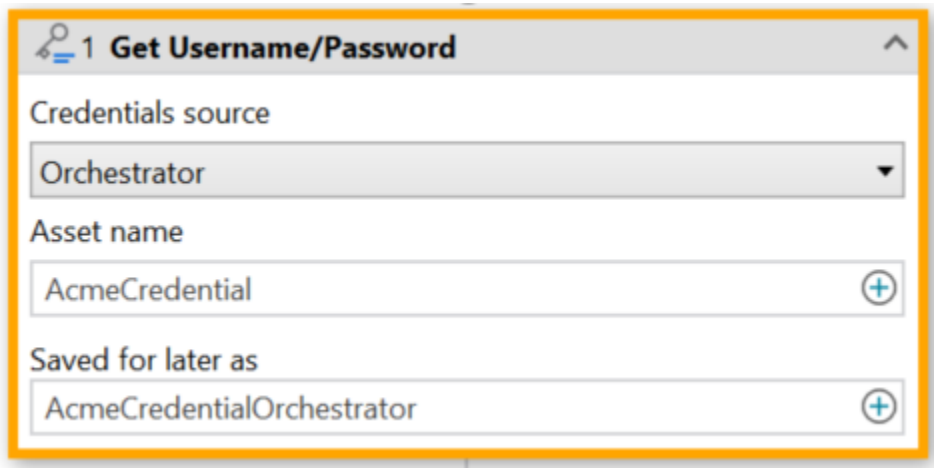




What's new | Credentials

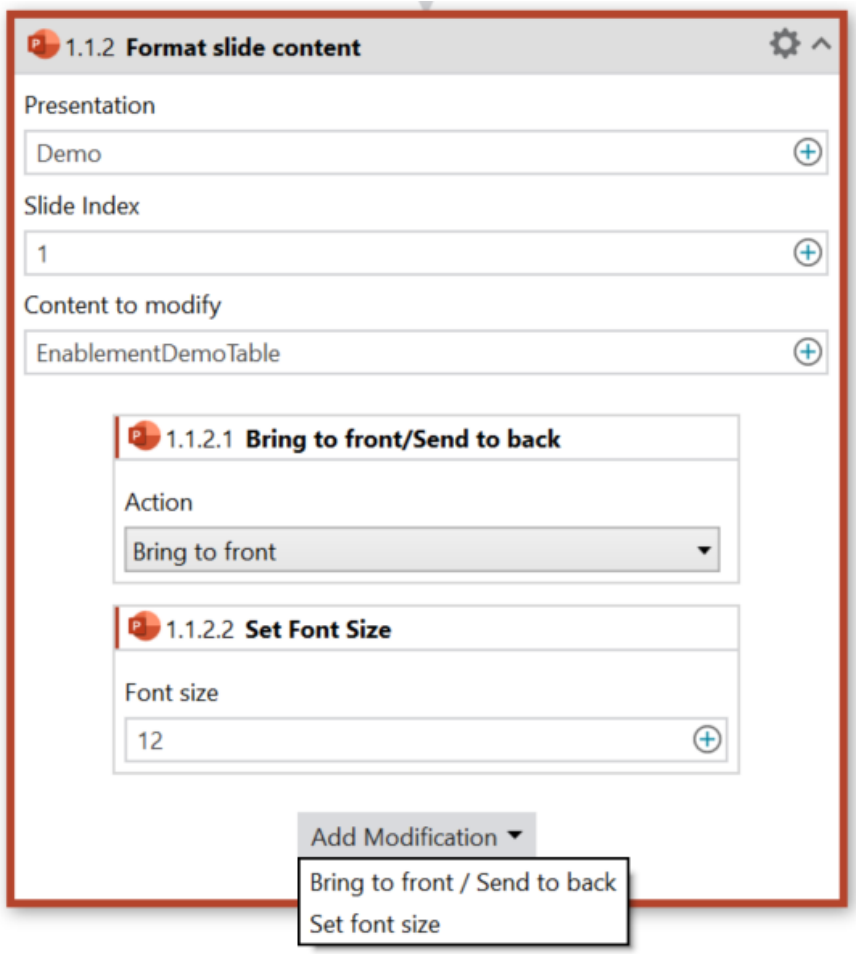
- **Get Credential Asset from Orchestrator**



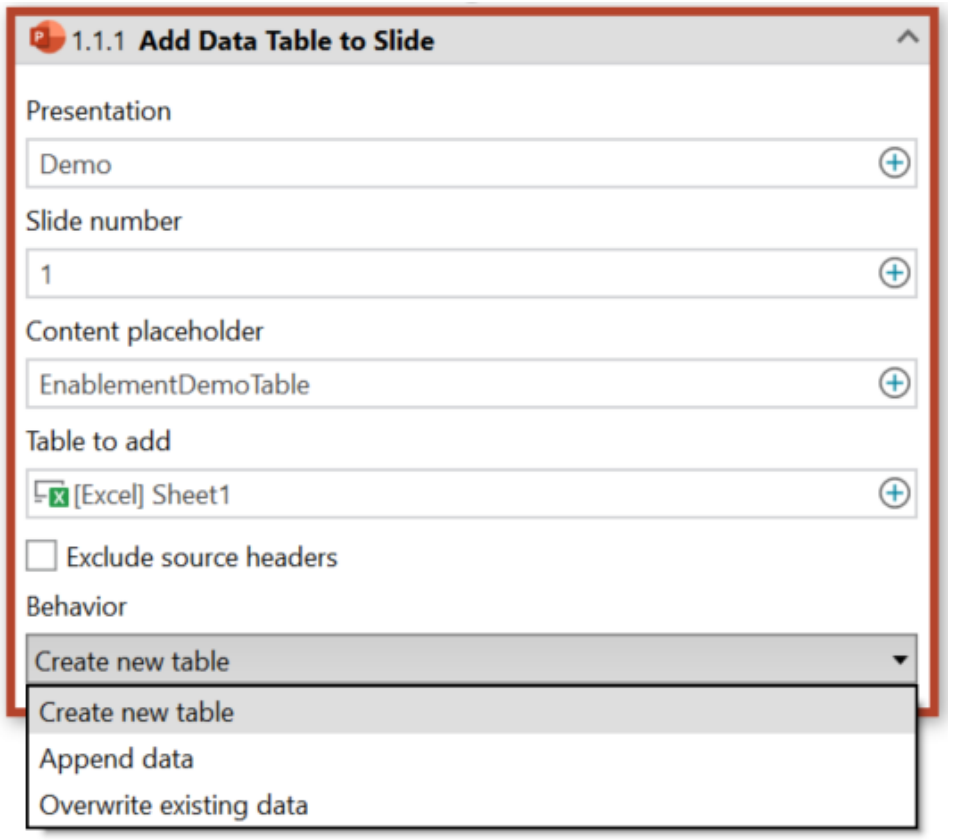


What's new | PowerPoint

- **Format** Slide Content

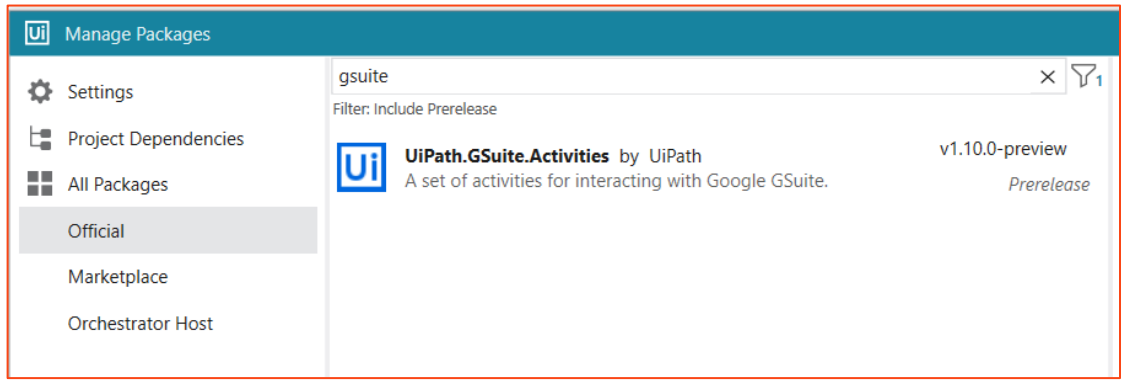


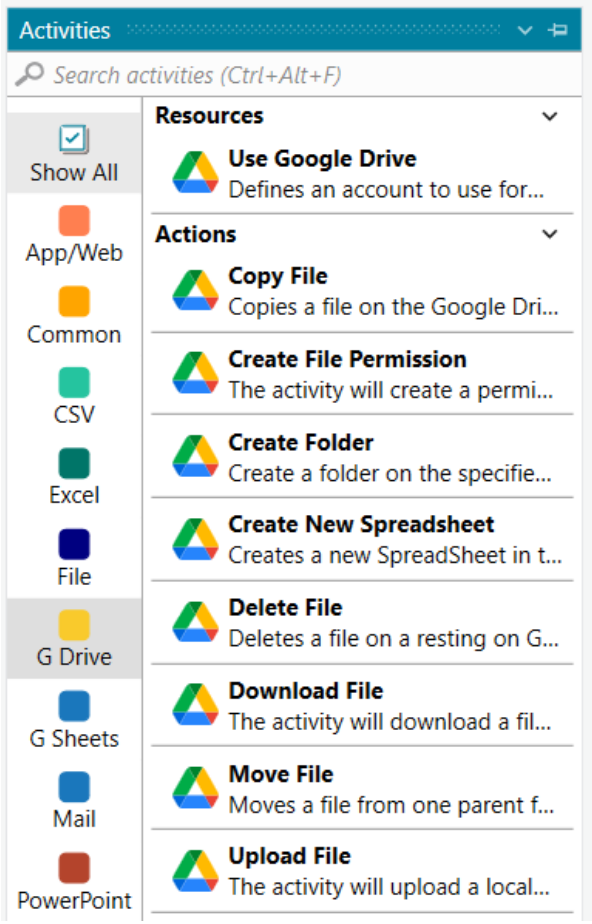
- **Add Data Table to Slide**: Adds support for overwriting existing table contents and appending

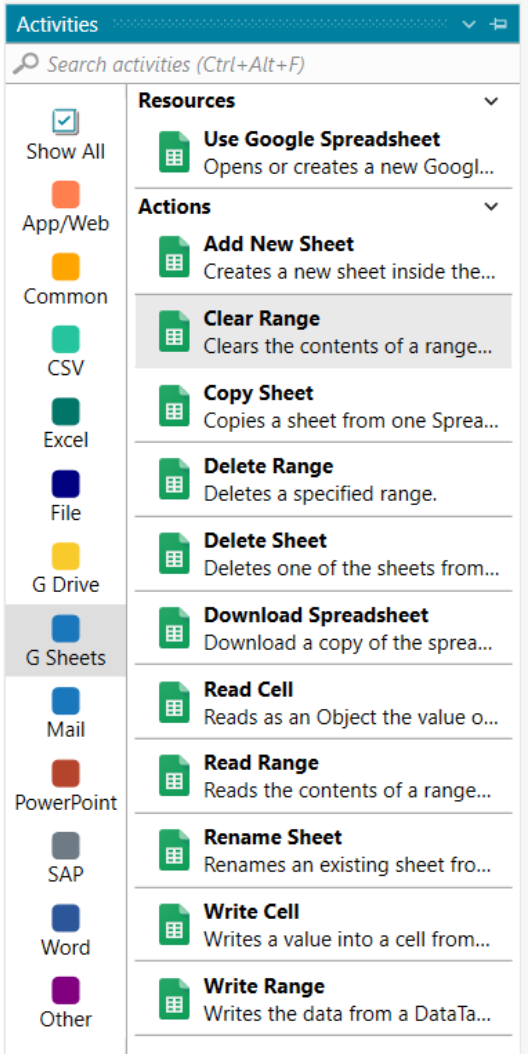


What's new | GSuite

- Install the **GSuite preview package** from the **Official feed**.

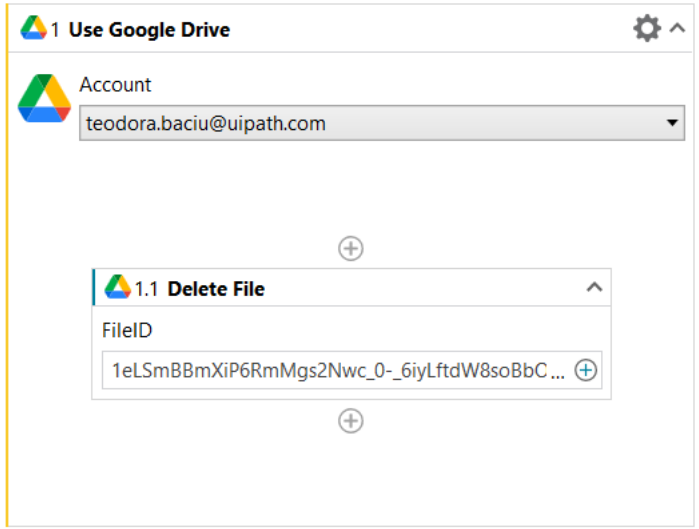




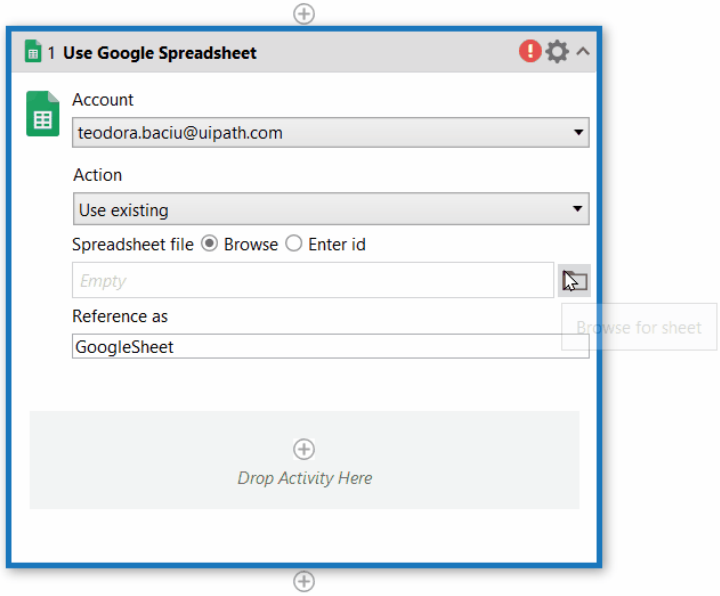


What's new | GSuite

- Use **IDs** for files (soon to be optimized)



- Browse and use **Google Spreadsheets**



What's new | DataTables

- Perform basic operations directly on Data Tables

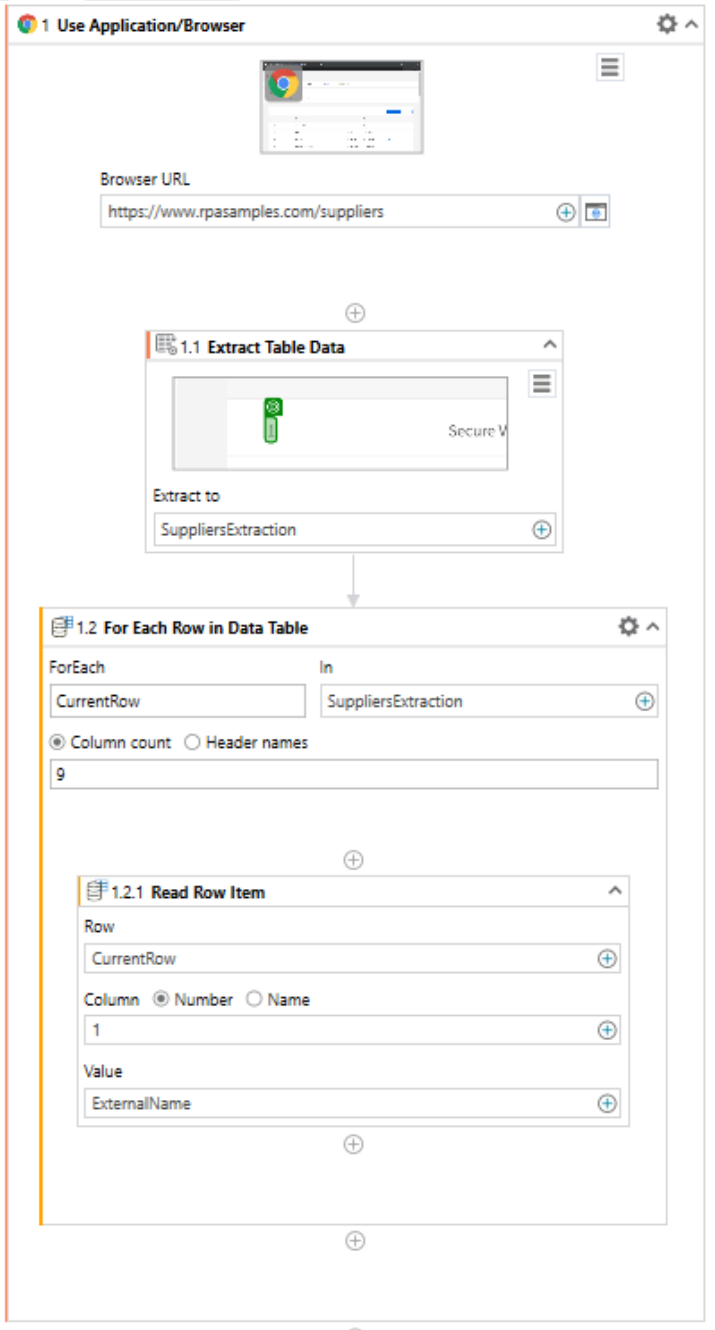
Filter Data Table
Filters a DataTable by specifying condition...

For Each Row in Data Table
Executes an action once for each row in th...

Generate Data Table From Text
Generates a DataTable from unstructured...

Update Row Item
Assigns the specified value into the indica...

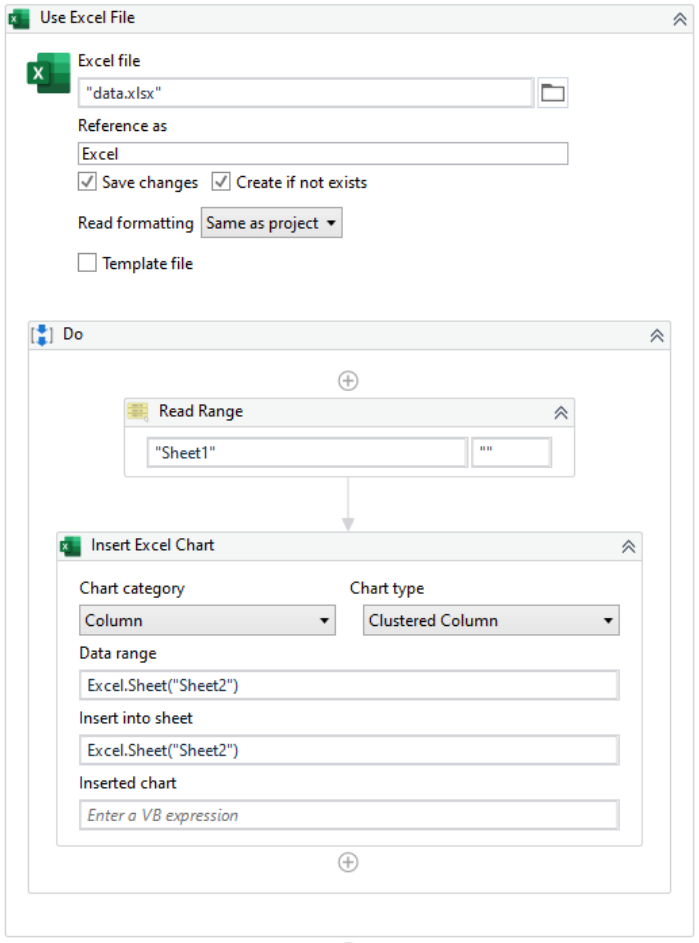
Read Row Item
Gets a value from a DataRow variable ac...



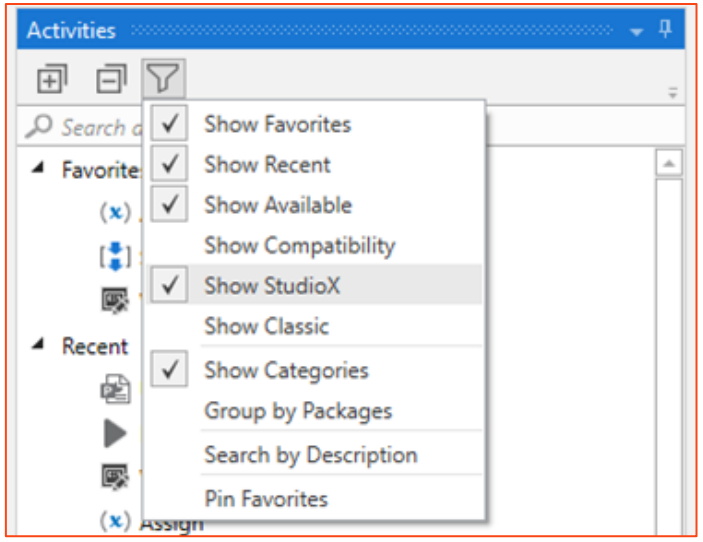
Reboot™ Work.

What's new | Mix & Match StudioX with Studio

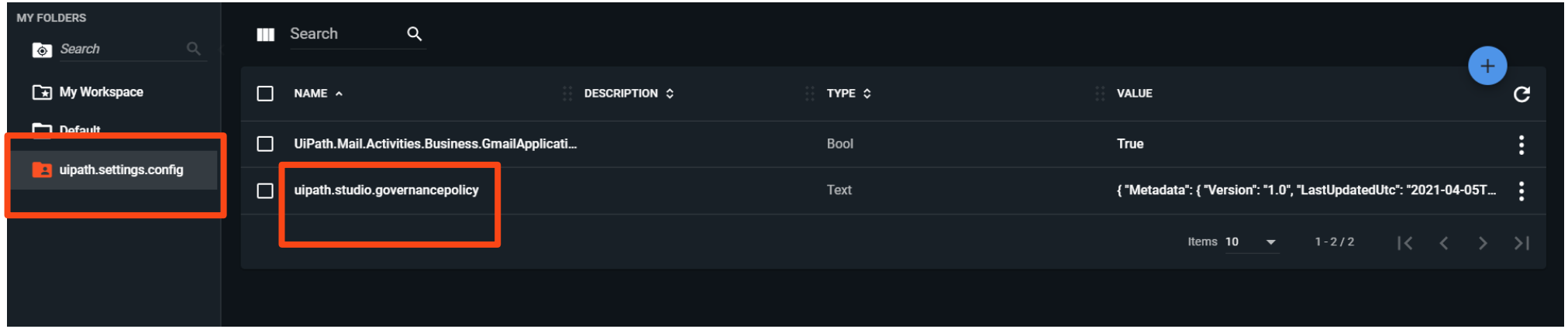
- You can mix and use the Studio Excel Activities in the "Use Excel File" Scope of StudioX.



* You can access the Excel activities used in StudioX (a discussed above) by turning on the "Show StudioX" filter in the "Activities" panel



Orchestrator Settings Governance



- Using a local file
- Using an external file
- Using an asset in Orchestrator (for On-Prem customers)

* Automation Cloud customers should use Automation Ops.

https://docs.uipath.com/studio/lang-en/v2021.4/docs/governance

Resources

- https://forum.uipath.com/t/uipath-community-2021-4-stable-release/302093
- https://www.youtube.com/watch?v=hBzqwfP7RHE&list=PLLZzoDIxZGaabMVIB7qIhL_SD3rnhzxfJ&index=10
- https://docs.uipath.com/studio/docs/governance#design-settings

Thank you!

teodora.baciu@uipath.com

UiPath Reboot Work.™

Desktop Platform 2021.4

Product Enablement Session

UiPath Reboot Work.™

Disclaimer

The following information is meant only for internal presentations.

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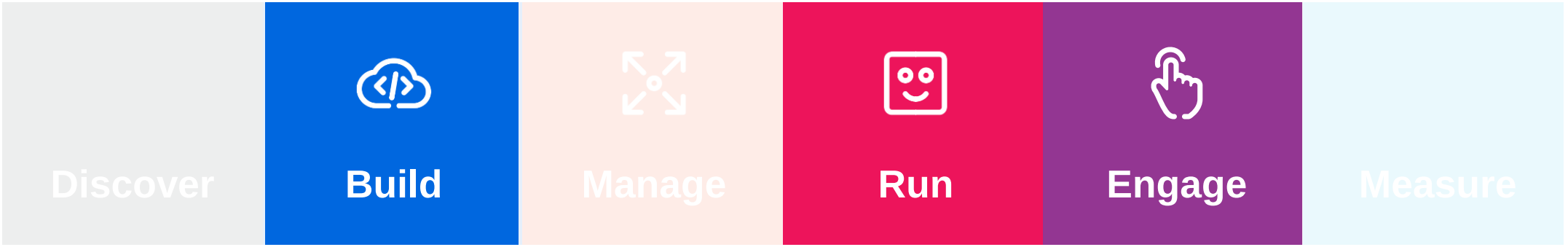
The UiPath Platform: Built for Hyperautomation

Introducing the UiPath 2021 FTS Release



Studio

StudioX

System Activities

UI Automation

Robot

Assistant

Agenda

01 **Build**

- UI Automation, CV, Driver
- Studio & System Activities
- StudioX

02 **Run & Engage**

- Robot & Assistant

03 **Licensing model & Pricing**

04 **2021 Roadmap**

05 **Additional Resources**

06 **Q&A**

What's new?

Framework migration to .NET5

2020.10

- **Studio & Robot services**
  - 32 bits
  - .NET Framework 4.6.1
- **Process execution**
  - 32 bits
  - .NET Framework 4.6.1
  - .XAMLs (not compiled)

2021.4

- **Studio & Robot services**
  - 64 bits
    - 32 bits only through specific MSI
  - .NET5
- **Process execution**
  - 32 bits
  - .NET Framework 4.6.1
  - .XAMLs (not compiled)

2021.10

- **Studio & Robot services**
  - 64 bits
    - 32 bits only through specific MSI
  - .NET5
- **Process execution + Designer (Studio)**
  - Classic
    - 32 bits
    - .NET Framework 4.6.1
    - .XAMLs (not compiled)
  - New
    - 64 bits
    - .NET5
    - Compiled workflows

You're hyperautomation-ready with the UiPath Platform

Discover	Build	Manage	Run	Engage	Measure
Discover what to automate with process mining powered by AI	Professional developers, citizen developers, and employees create automations	Securely deploy and manage automations from anywhere, at scale	Robots work with your applications and your people to carry out automations	People and robots work together to automate complete processes	Embedded analytics give you deep insights into business metrics, not just robot metrics

Driver & UI Automation

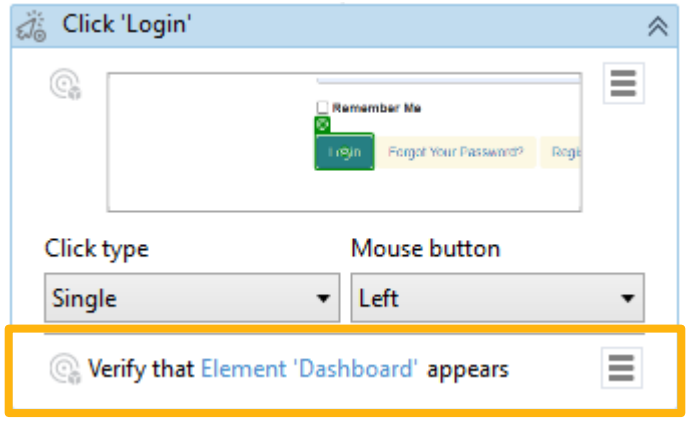
UiPath.UIAutomation.Activities 21.4

UiPath Reboot Work.™

What's new for Modern Design experience

Verify execution

Check if the action was performed, by verifying the desired effect: an element appears or disappears, text is set to the control.



Resize window

The App Card has a new property to enable automatic resizing of the application window to either maximize or to the **design-time size and position**.

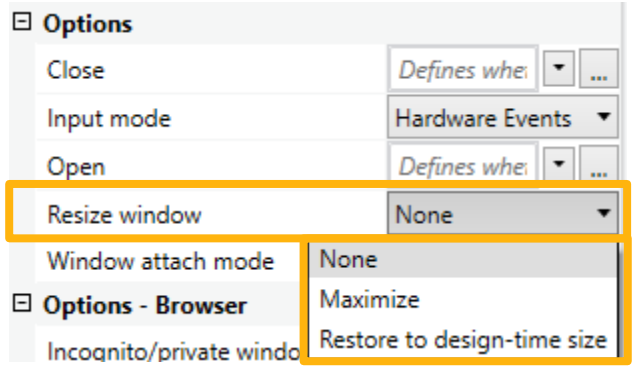
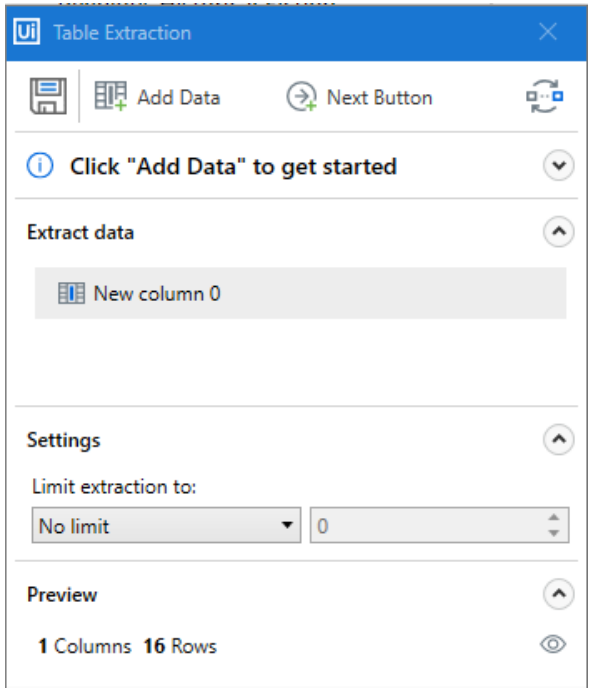


Table extraction

New data/web scraping experience available in the modern design:

- Element set is built with one click
- Refine the selection
- Column settings: Name, Type, Sort



What's new for Modern Design experience

Check text

Dedicated control for the check:text attribute of the fuzzy selector with support for variables and wildcards

Hover-only elements

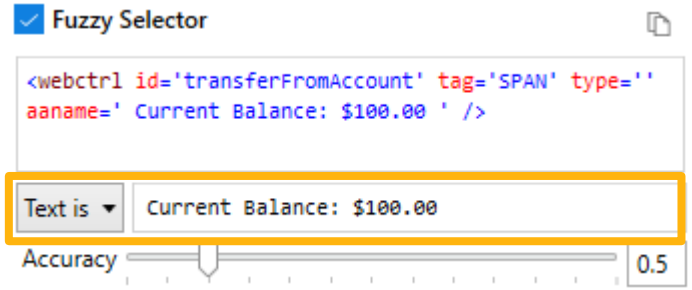
Now we can target elements visible only on hover, which disappear when they lose focus, from the selection screen.

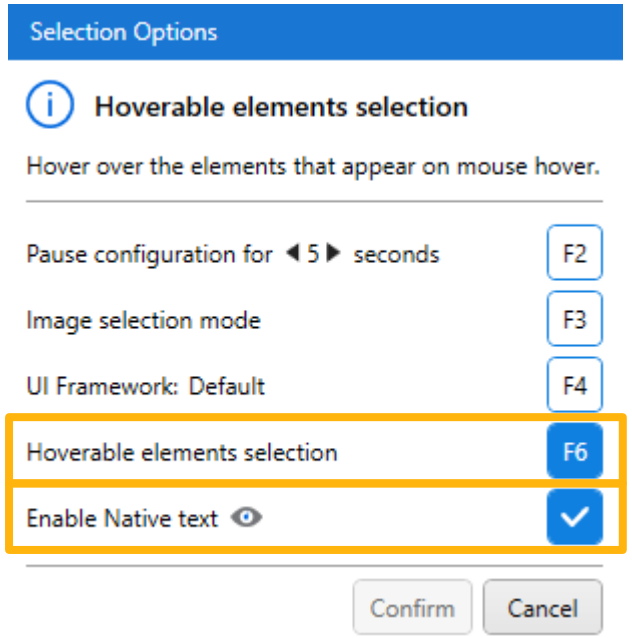
Native text

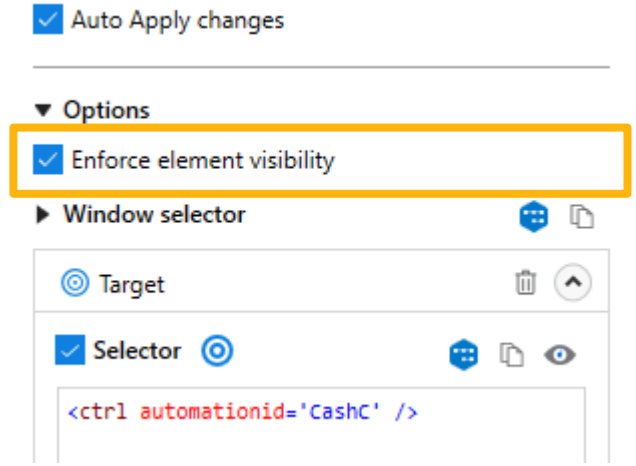
A new targeting method is available – TextNative. Usually, native text support is required for legacy applications, for example, SAP GUI.

Enforce visibility

Filter out all the hidden elements so we are working with visible ones. It can be enabled from the Edit Target dialog.







What's new for Modern Design experience

Dynamic text target

Target an element regardless of its specific content, such as trying to click on the first element in a search list, without the need to fine-tune the targeting methods.

Record any app

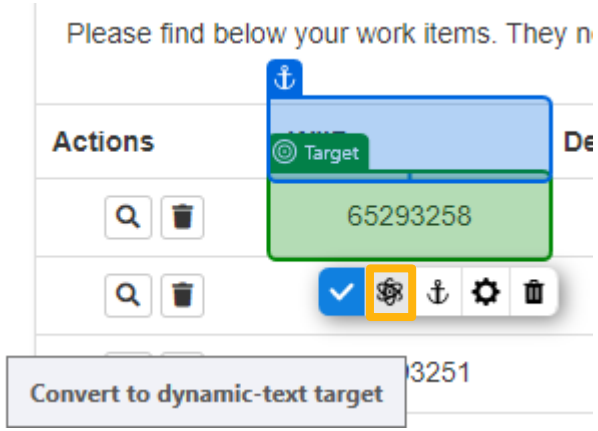
Now we can record multiple applications on the fly, without the need to click the "Change application" button, which was removed.

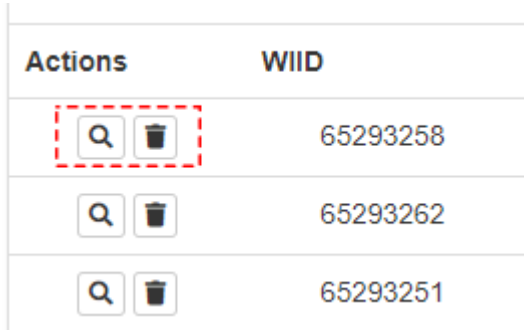
Image target on drag

Define image-only targets or anchors by dragging and selecting the area, instead of selecting an element. This works in the recorder and the Indicate on Screen wizards.

Check App State

This activity can now be used outside of an application card, enabling us to check if an application is opened or not.

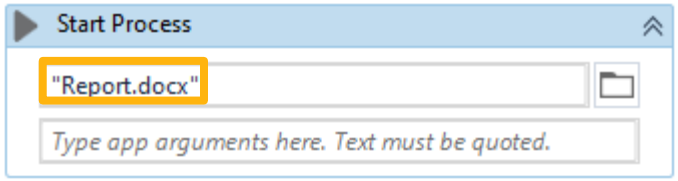




Other UIA improvements

Classic experience

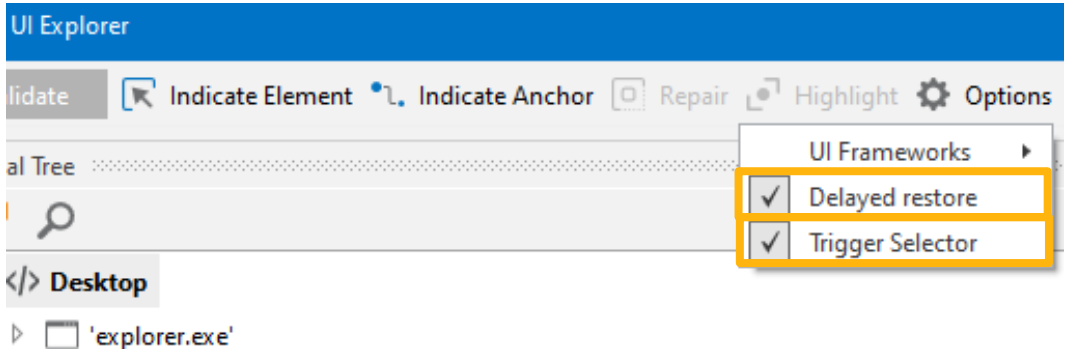
StartProcess activity now works with file paths, besides applications. The file is opened with the default application registered in Windows for the file extension.



UiExplorer

Delayed restore – use this option when indicating UI elements that auto-close when focus is lost, such as dropdowns or overlays. The restore of UiExplorer windows is delayed until after the selection data is loaded.

Trigger selector – ensures the uniqueness of an UI element within its parent while increasing its monitoring accuracy.



AI Computer Vision

CV Method – we can pick to use only OCR or Element Detection or both methods when working with CV activities.

Change Detection – smarter algorithm to detect when a refresh is required. At design-time, if significant changes are detected, a Refresh Warning will be shown in the selection wizard.

What's new for Driver

Custom Browser support

Allow automation of applications running in the chromium framework. Special configuration is required, please check the documentation.

Shadow DOM support

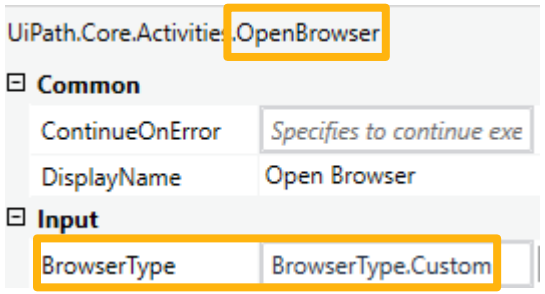
Shadow DOM is a web technology that allows a component to have its own "shadow" DOM tree. Now we can detect the elements inside the "shadow" DOM tree - under "#shadow-root" node.

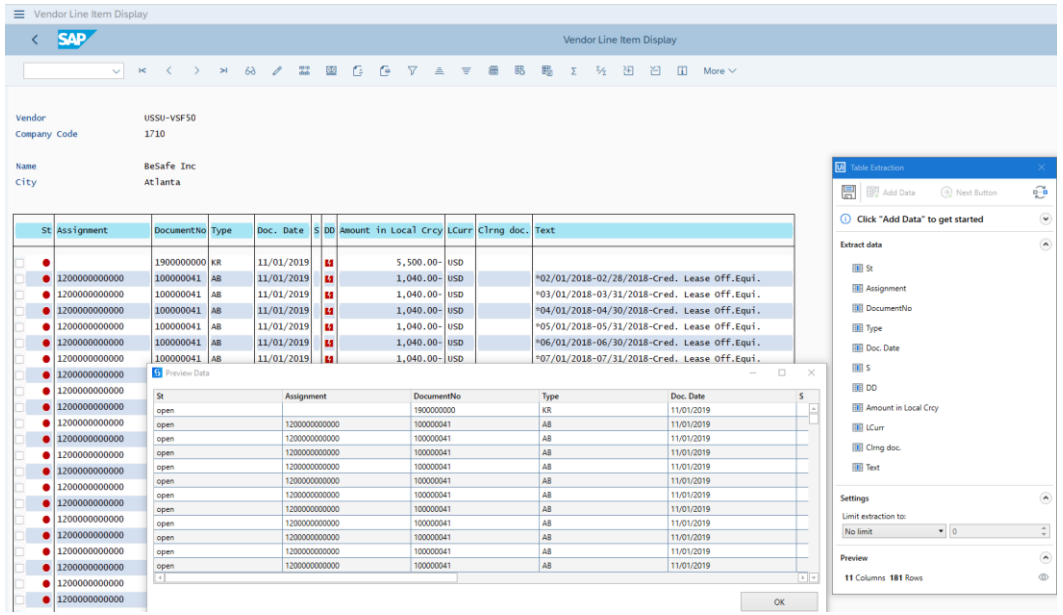
SAP ALV List support

Now we can easily extract data from SAP Multiple Labeled tables, aka ALV Table, using the Table Extraction wizard. This gives us a competitive advantage as it's difficult to automate in another way.

Smooth mouse motion

Required for some applications which are not working correctly when the mouse pointer is teleported to the target position. Instead, the mouse pointer can be moved smoothly from the current position to target position.





Studio

UiPath Reboot Work.™

System

UiPath.System.Activities 21.4

UiPath Reboot Work.™

StudioX

UiPath Reboot Work.™

You're hyperautomation-ready with the UiPath Platform

UiPath Reboot Work.™

Discover

Discover what to automate with process mining powered by AI

Build

Professional developers, citizen developers, and employees create automations

Manage

Securely deploy and manage automations from anywhere, at scale

Run

Robots work with your applications and your people to carry out automations

Engage

People and robots work together to automate complete processes

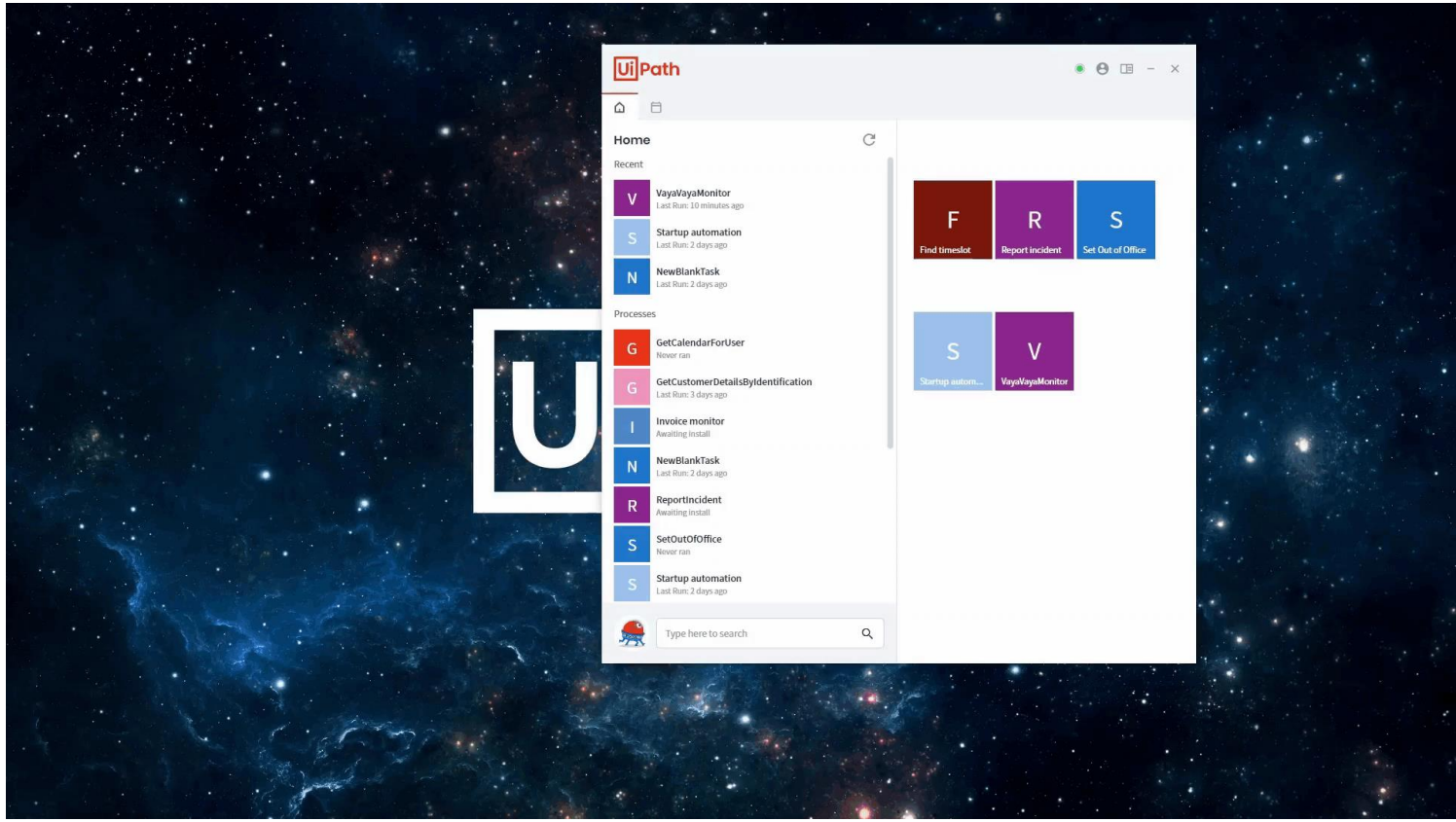
Measure

Embedded analytics give you deep insights into business metrics, not just robot metrics

What's new?

Robot & UiPath Assistant 2021.4 Hero Features

- Start Apps from Assistant
- Desktop shortcut for processes
- Define keyboard shortcut from process details
- Simply drag processes from the list to the left panel.
- Proxy enhancements
- Custom Widgets
- Govern Widgets

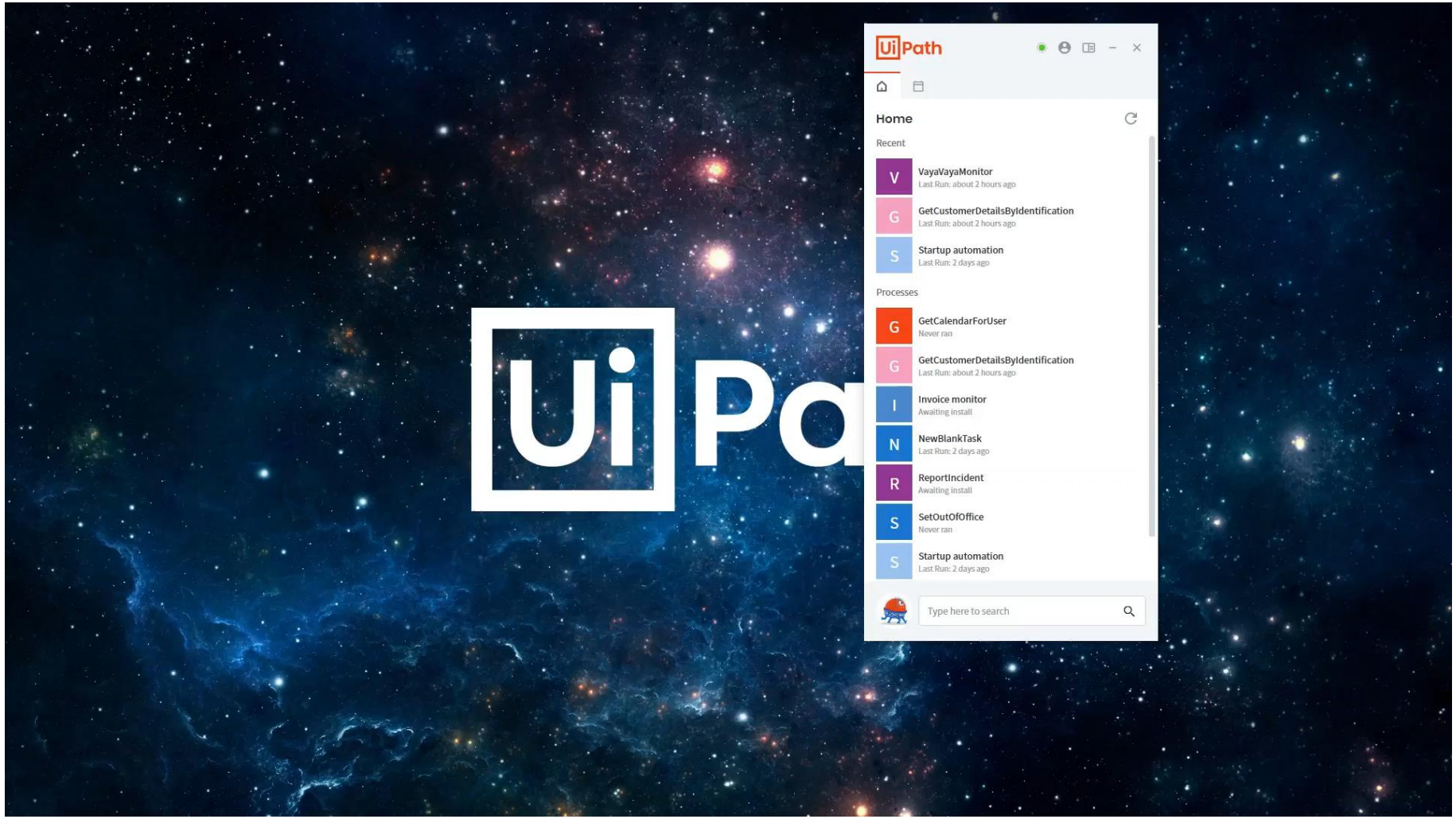


Competition

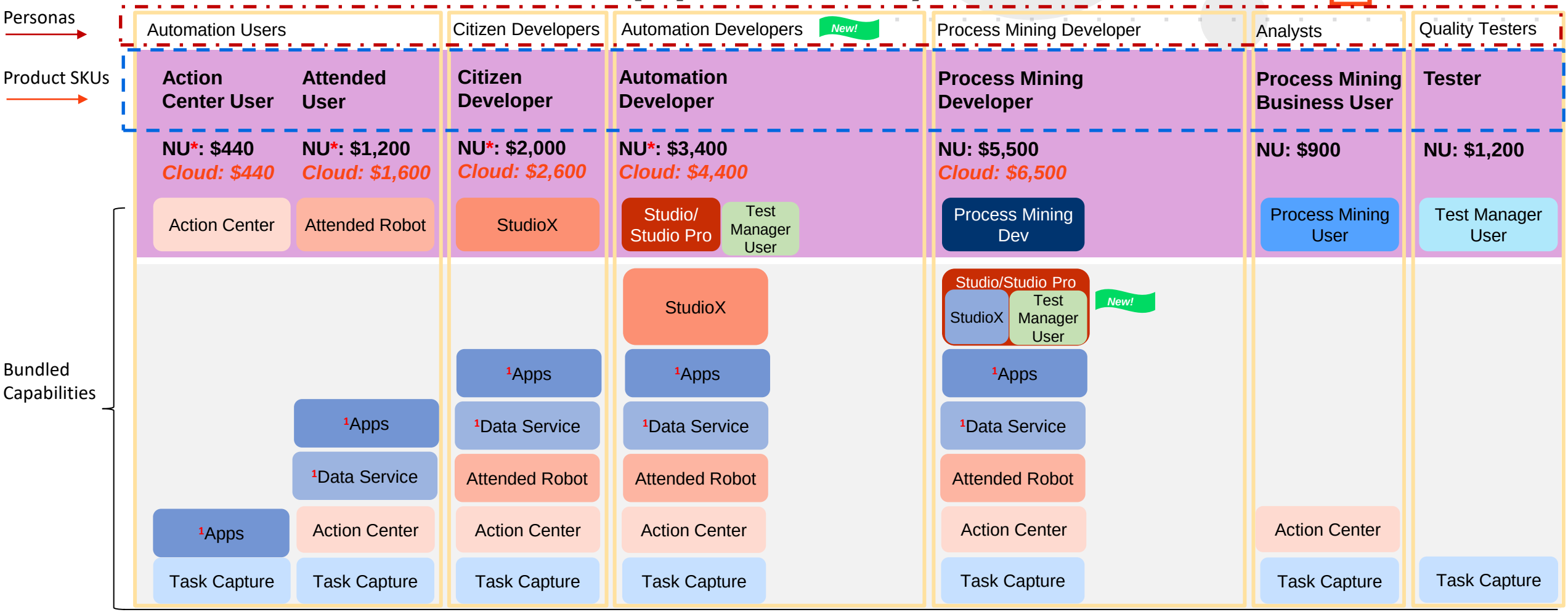
No UiPath competitors offer digital assistant capabilities that support both attended automations and low-code, robot-powered apps.

UiPath Assistant Widgets

Assistant and Apps integration enables desktop users to access their apps and attended automations side by side.



À-la Carte – User Roles (April Launch)

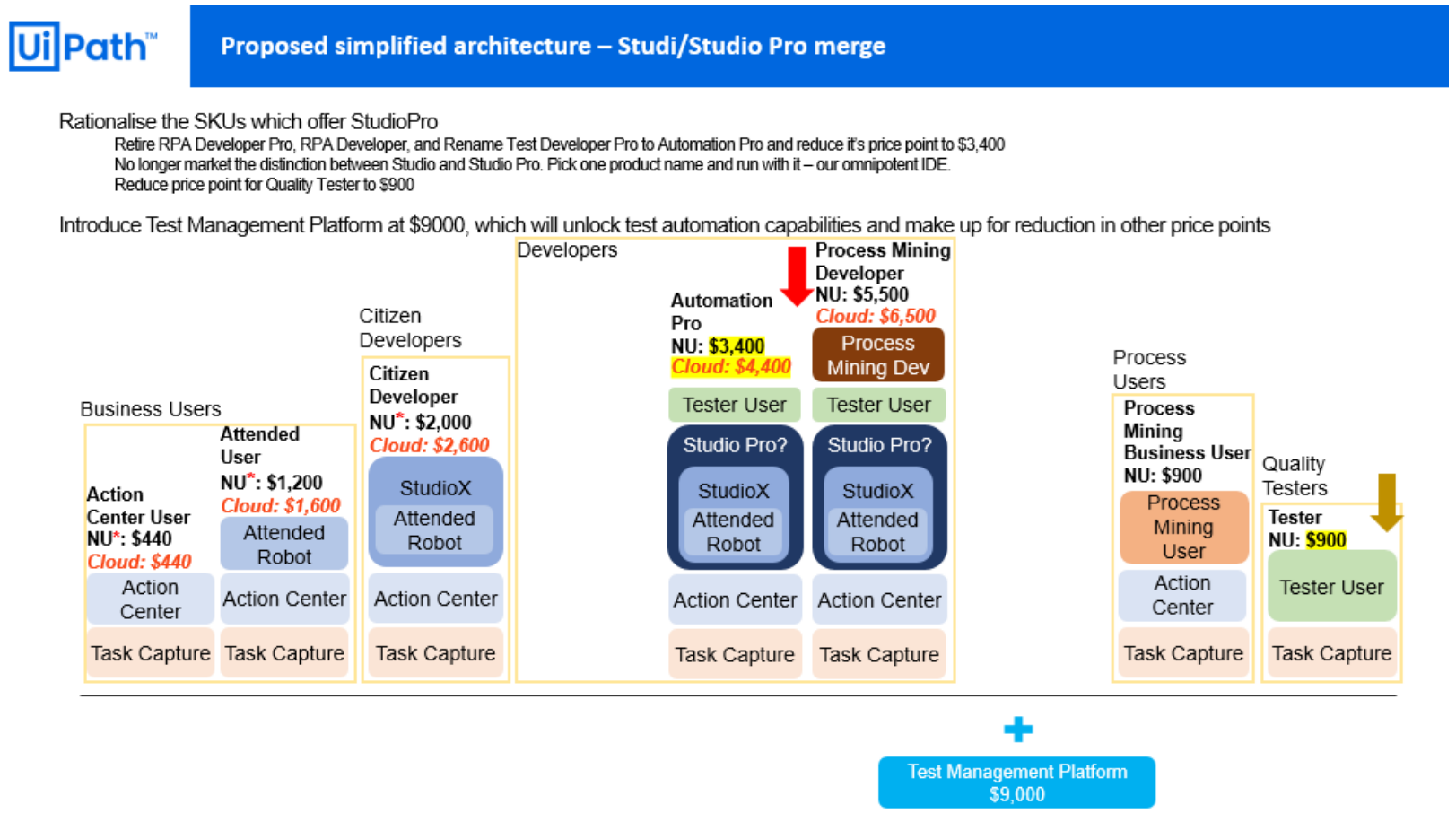


[1]*Apps and Data Service available only on Cloud*

USER TYPES
NU = Named User
* = Multiuser available, 2x N.U. price

Commercial Licensing for Users / Roles Overview

2021.4 License proposal: Studio / Studio Pro licenses merge as Automation Pro



Note: this is not , yet; more details will come closer to the GA date, from the licensing team

Roadmap for 2021

StudioX

Google Slides

Simple source control integration

Simple debugging

Governance improvements

Studio

Auto resolve dependencies

Variable Manager

Remote Debugging

Change / Edit during debugging

Object Repository v2

System & UIA

System .NET5 porting

Unified Target improvements

Browser migration tool

Selector Editor 2.0

Auto scroll for CV

Drag & Drop activity

Desktop Triggers for emails

Robot

Workflow execution in .NET5

Linux and Mac support

Compiled workflows

Auto-update Robots

UiPath Assistant

Integration with Marketplace

Integration with Automation Hub

Process Icons

Q&A

StudioX / Studio / UIA / CV / System / Robots / Assistant

UiPath Reboot Work.™

Thank you
Stay Safe and Stay Healthy