

UiPath 2020.10 LTS Release Partner Technical Live Sessions AMER & EMEA

Session 1 of 6 – Test Suite 20.10

28th Oct 2020



20.10 Partner Enablement Plan

In order to enable partner for the 20.10 release earlier than in previous release we are planning to conduct the following types of Sales and Technical enablement:

Sales Enablement
Partner Mastermind Webinar 14 th Oct 2020 ✓
Partner Sales QRTs 5 th Nov 2020
Global Partner Webinar 11 th Nov 2020

Technical Enablement
Technical Live Sessions 1.5-2 Hour Sessions for Each Product Family 27 th Oct – 12 th Nov 2020
Technical Self Learning in Partner Academy
Technical Documentation in Partner Portal



20.10 Partner Enablement Plan – Technical Live Sessions



Testing

Explore the enhancements to RPA Testing, Application Testing and Test Manager.

- Support for custom fields and attachments
- Microsoft Azure DevOps connector
- Xray connector for Jira
- SAP Fiori support
- Synthetic Test Data Generator Activity and more...

28th of October 2020 at 11:00 AM to 1 PM EST/ 4 PM to 6 PM CET

[Register now](#)



Process Understanding

Accelerate automation journey with Process Discovery with enhanced feature

- More deployment option (MSI)
- Action Centre and Robot Integration
- SAP Connectors and more

2nd of November 2020 at 11:00 AM to 1 PM EST/ 4 PM to 6 PM CET

[Register now](#)



AI/ML

Manage and Scale with AI.

- **AI Fabric** (multi-node support with MS Azure AKS, Docker EE, Integration with Data Manager and more)
- **Document Understanding** (UiPath Document OCR enhanced, automatic model retrain and more)

29th of October 2020 at 11:00 AM to 1 PM EST/ 4 PM to 6 PM CET

[Register now](#)



Apps

Get introduced to the low code application builder

- App Studio
- App Runtime user experience
- Single click deployment and more

10th of November 2020 at 11:00 AM to 1 PM EST/ 4 PM to 6 PM CET

[Register now](#)



Cloud Services

Start Instantly and Scale Faster with new and improved Automation Cloud, Insights and Orchestrator

- SOC 2 type 1 certification
- Cloud Robots on Azure and AWS
- Customer Table Monitoring and Management
- Enhanced modern folder and more

3rd of November 2020 at 11:00 AM to 1 PM EST/ 4 PM to 6 PM CET

[Register now](#)



Desktop Products

Improve Productivity with smarter Robots for each persona. Deep dive into the enhanced feature of Studio Family and UiPath Assistance

- Modern Ui Automation
- Unified Recorder
- Enhanced governance
- Customised input arguments and more

11th of November 2020 at 11:00 AM to 1 PM EST/ 4 PM to 6 PM CET

[Register now](#)

Test Suite 20.10

Partner Enablement

Alina Capota – RPA Developer

Ionut Mihai Nicula – Test Automation Specialist



Agenda

- 01** Vision & Strategy
- 02** RPA Testing
- 03** Application Testing
- 04** Test Manager
- 05** SAP Automation
- 06** Mobile Device Automation
- 07** Q&A

Challenges

UiPath Test Suite

Scaling automation in siloes is not moving the needle



After \$1.3 trillion
of transformation
Investment in 2019...



< 3% of companies have scaled
their digital workforce

Keeping up with application growth and changes is getting harder



1-5K

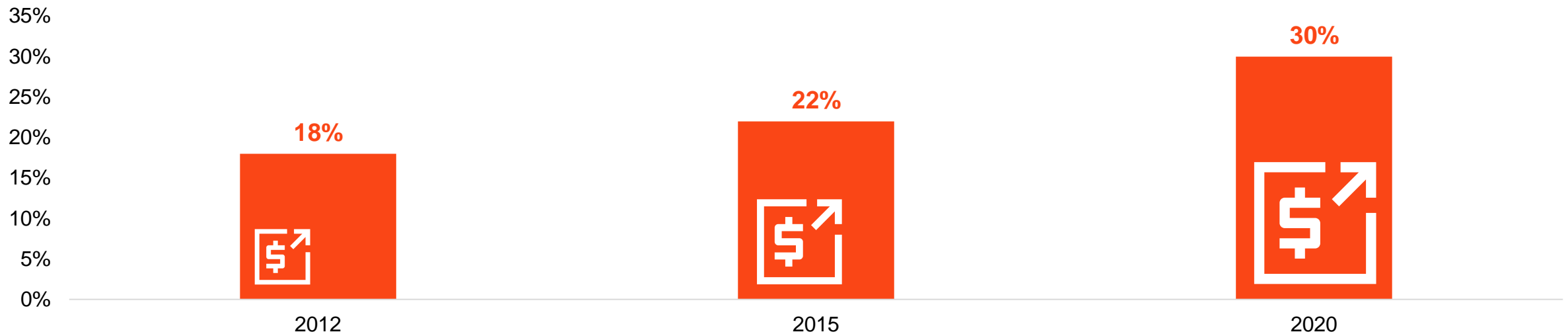
Business Applications



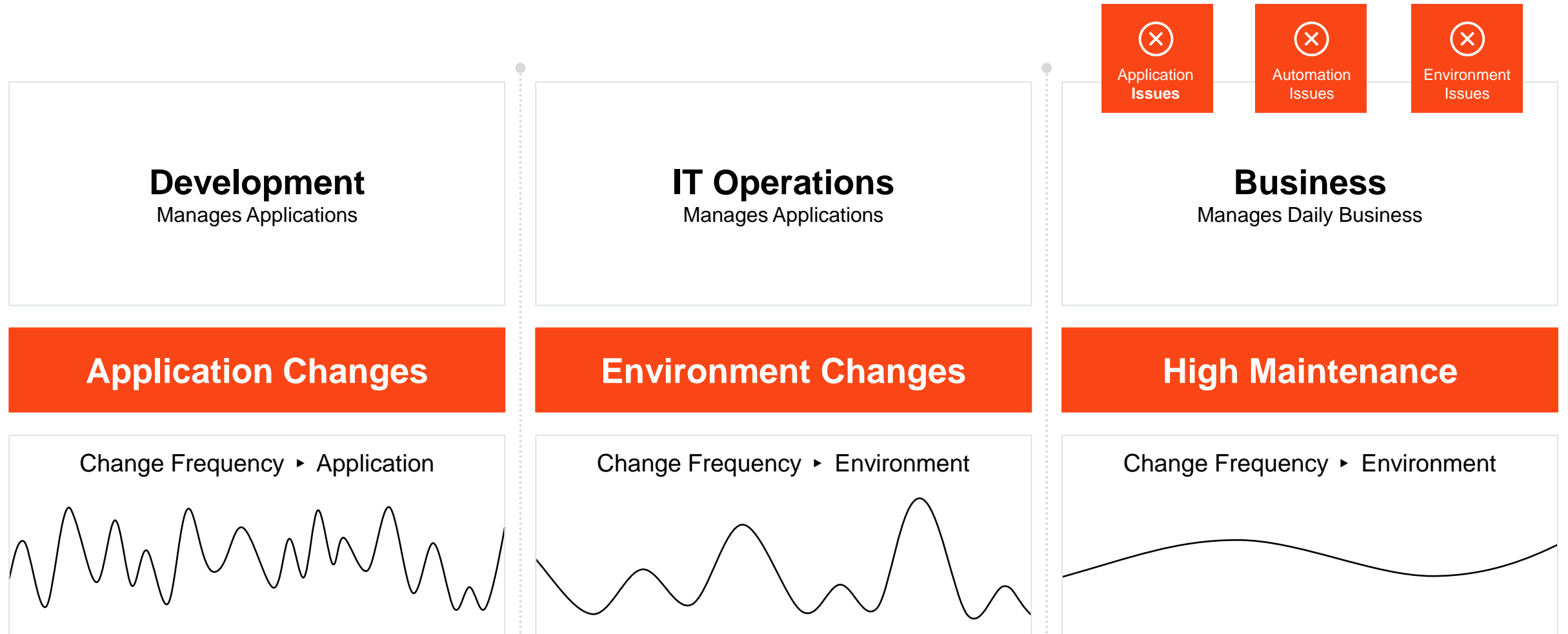
~100

App Updates per day

Testing Spend (% of IT Budget)

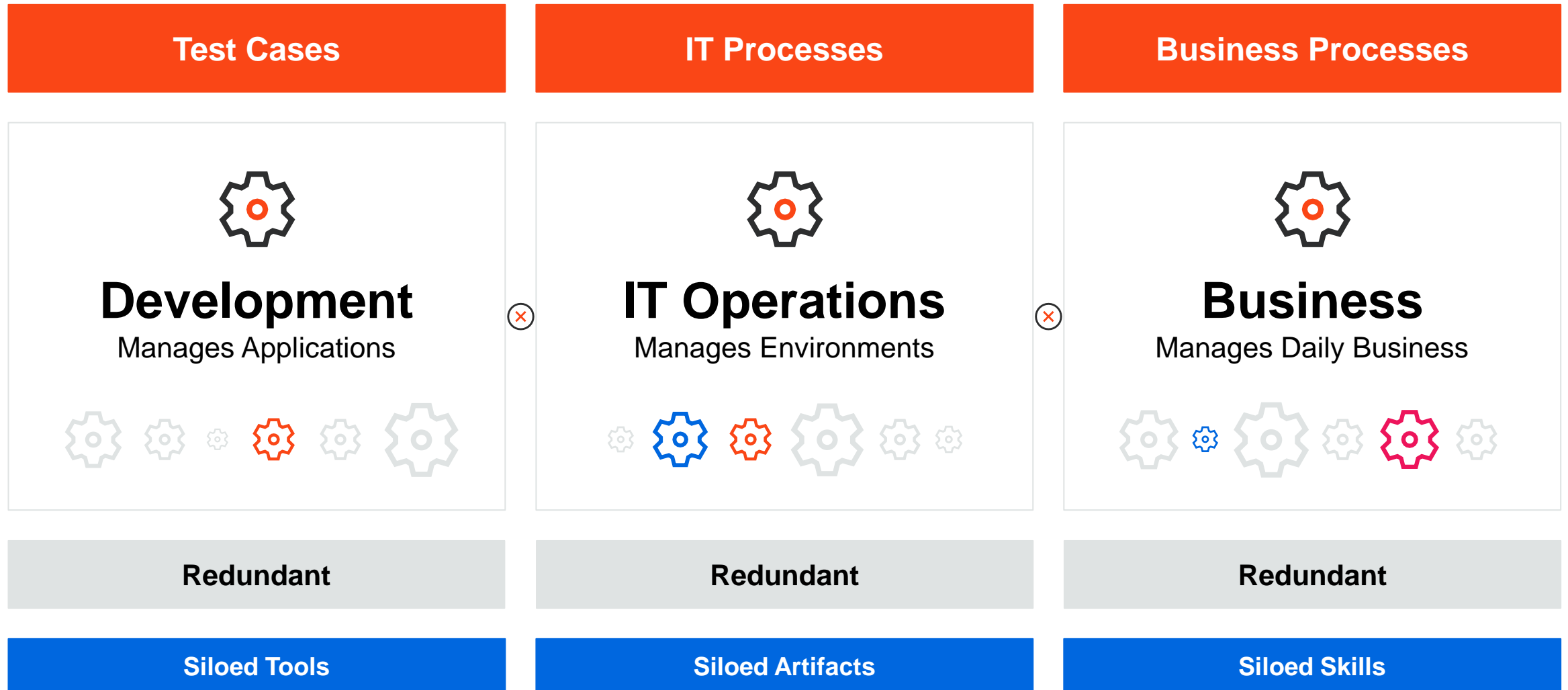


Failure to address underlying changes result in **continuous maintenance**



Siloed automation **only** wins games...

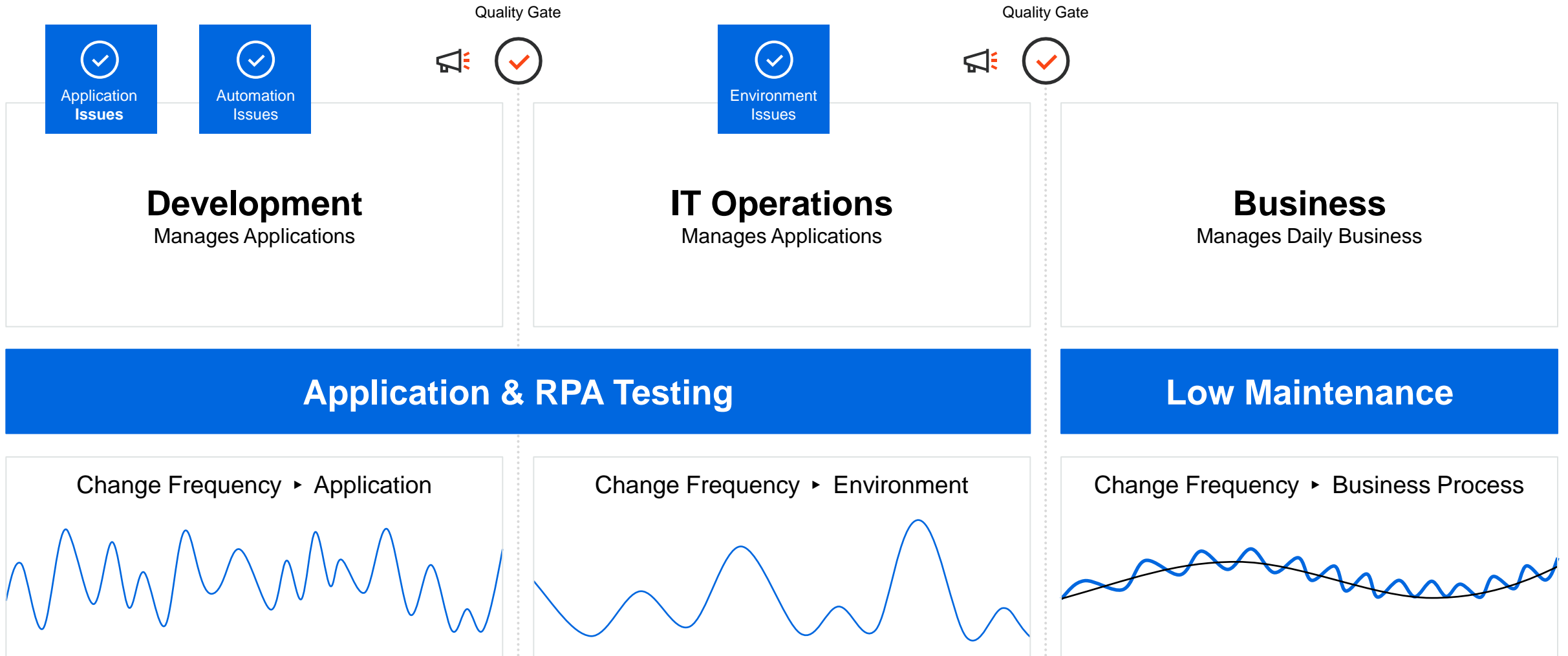
Redundant effort, minimal reuse and poor alignment slows automation progress



Solution

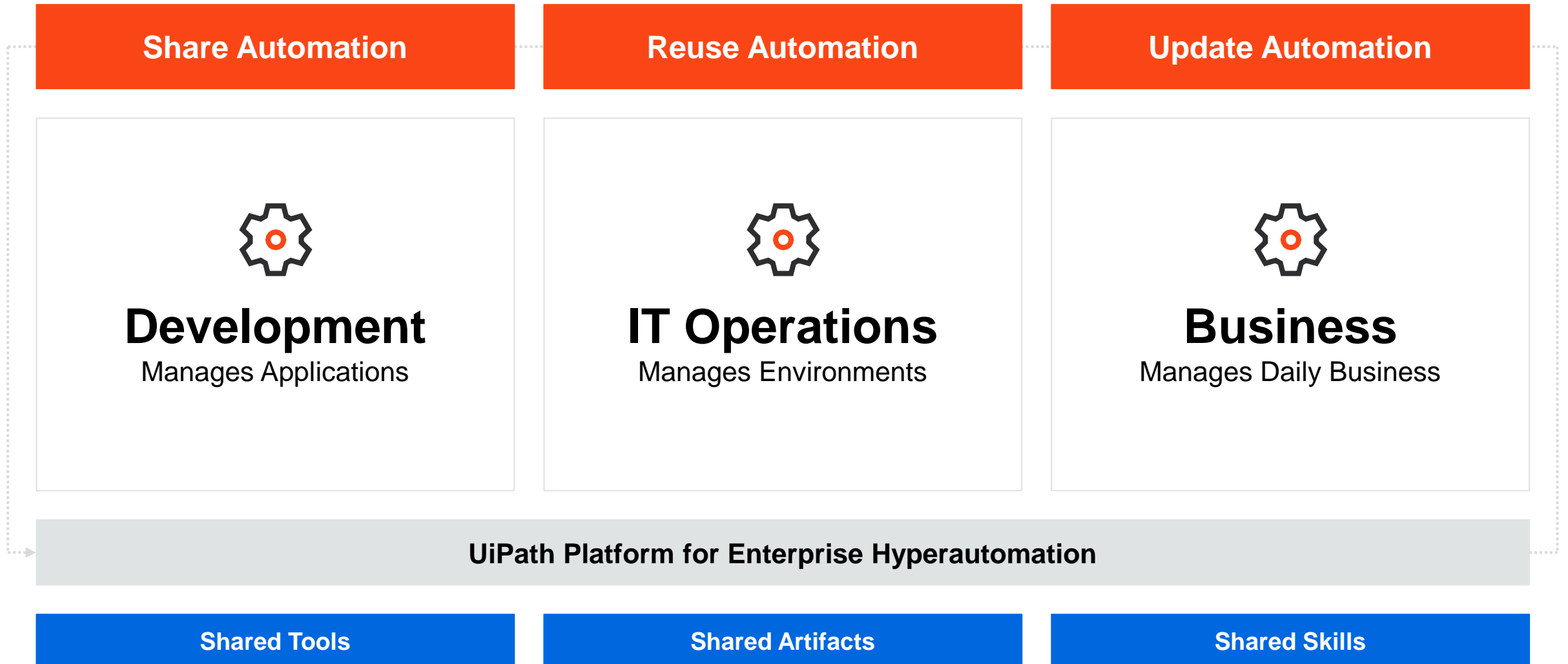
UiPath Test Suite

Transition from continuous maintenance to **continuous automation**



Enterprise automation **wins** championships

Alignment and reuse enable rapid and sustainable scaling



The UiPath Platform enables Hyperautomation across the Enterprise

Development
Automate Test Cases

Business
Automate Business Processes



Here's Where
Hyperautomation
Happens

IT Operations
Automate IT Processes

UiPath: An End-to-End Hyperautomation 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



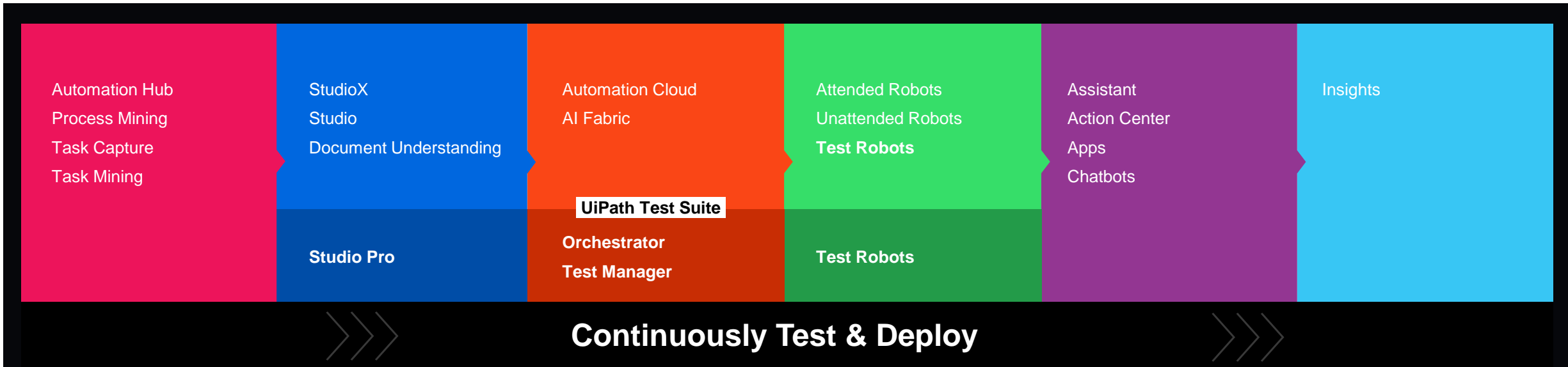
Engage

Engage people and robots as one team for seamless process collaboration



Measure

Measure operations and performance to align with business outcomes



Process Analysts *



RPA, Citizen Developers and Testers *



IT Operations *



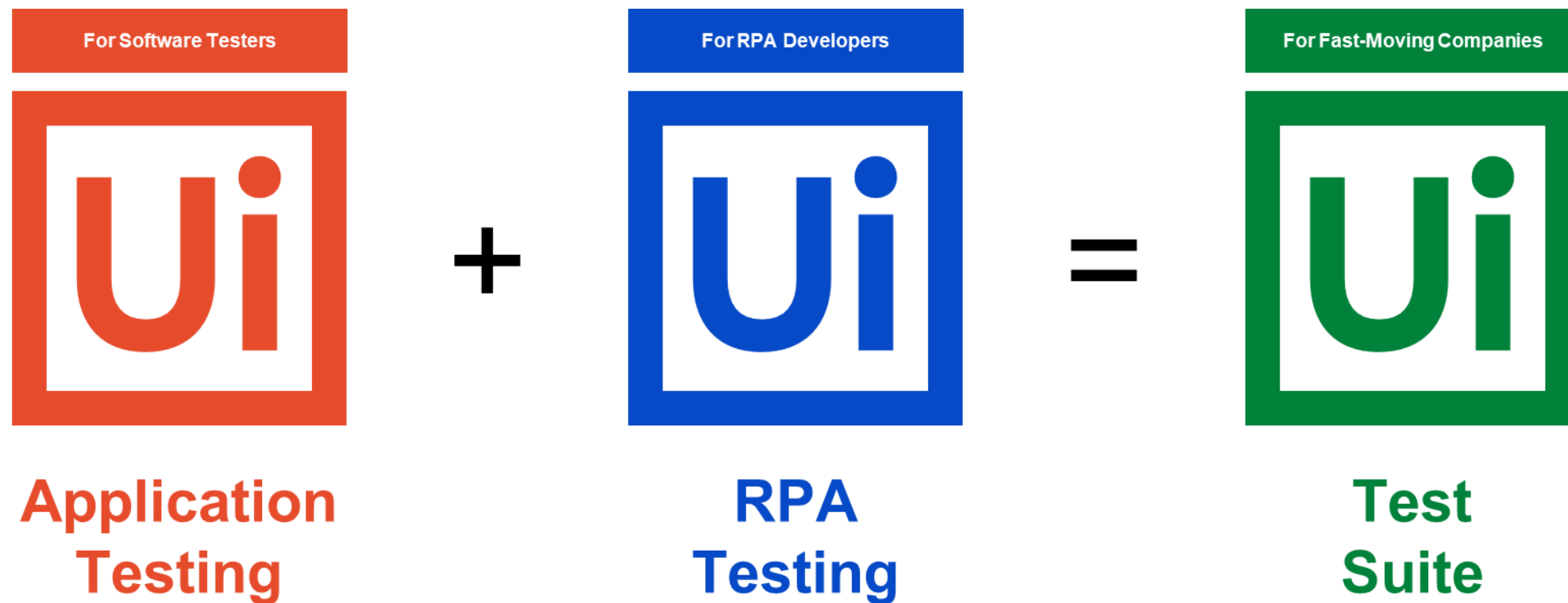
Business Users *



Business Analysts *

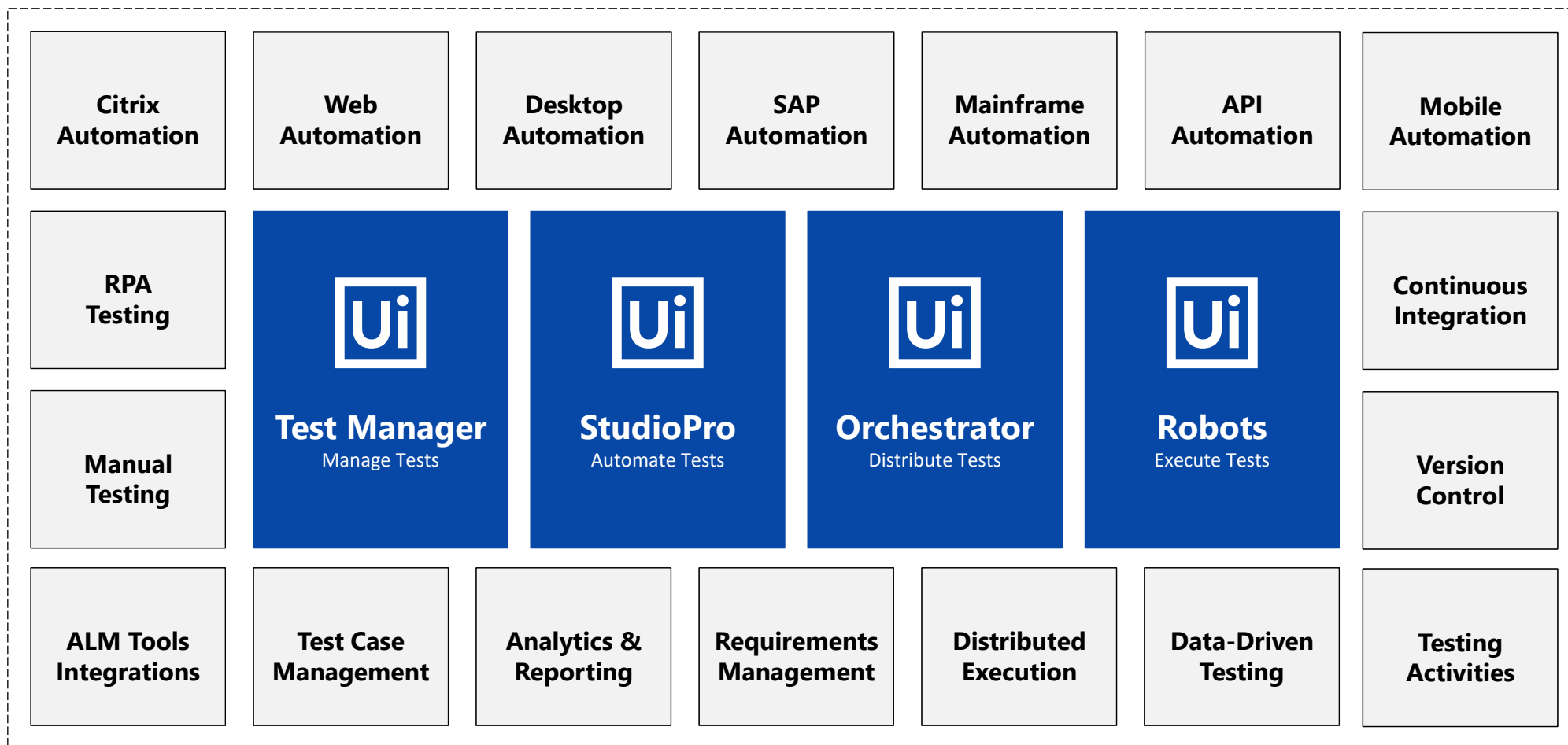
UiPath Test Suite

One solution, two missions



© Goal ↔ Be it testing software applications or testing RPA, the UiPath Test Suite aims to answer your needs for scalable enterprise-wide automation.

UiPath Test Suite: Capabilities



Test Suite

20.10

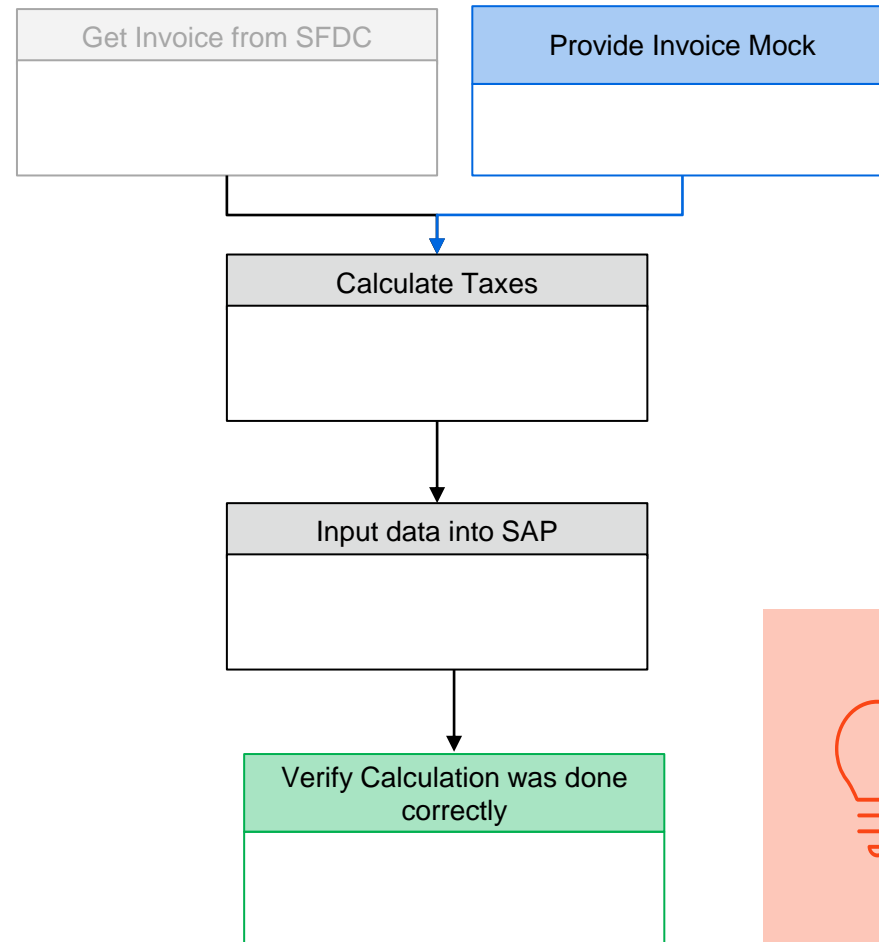
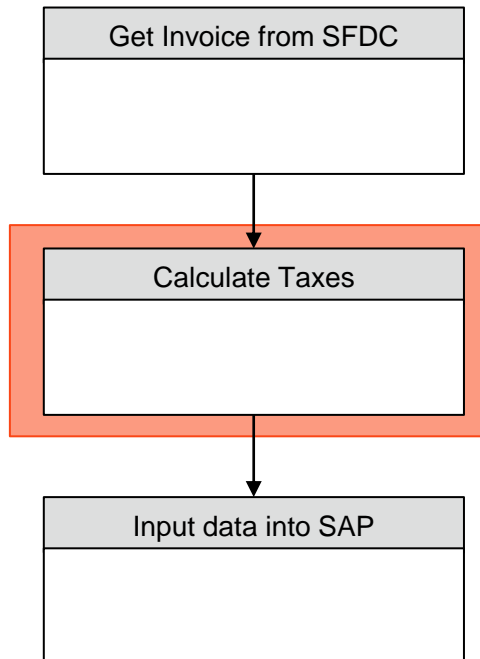
Features Walkthrough





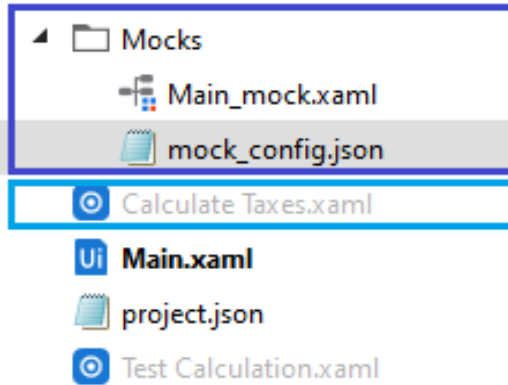
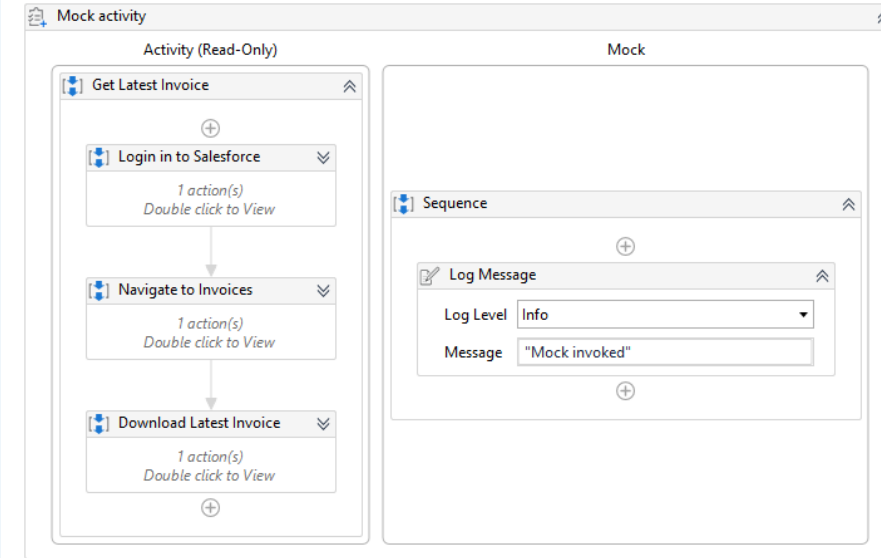
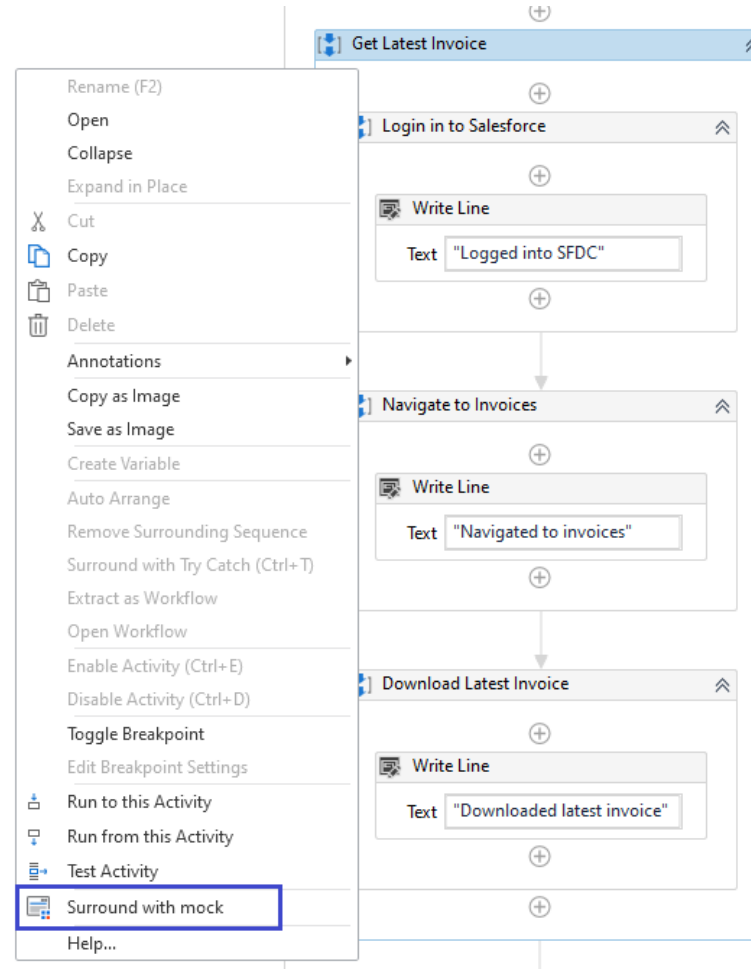
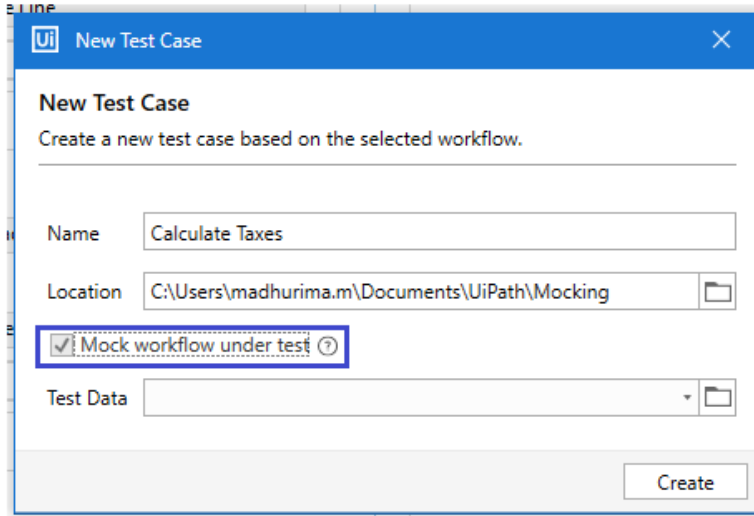
RPA Testing

What is Mocking?



Dependencies are replaced with objects that simulate the behaviour of the real object

Mocking



Demo



Activity Coverage Panel

Sample RPA Testing

- Dependencies
 - UiPath.Excel.Activities = 2.9.3-be
 - UiPath.Mail.Activities = 1.9.3-bet
 - UiPath.System.Activities = 20.10.
 - UiPath.Testing.Activities = 1.2.4-l
 - UiPath.UIAutomation.Activities =
- Entities
- Objects
- .screenshots
- .settings
- .tmh
- Main.xaml**
- project.json
- Retired Loan App
- Underage Loan A

Context Menu:

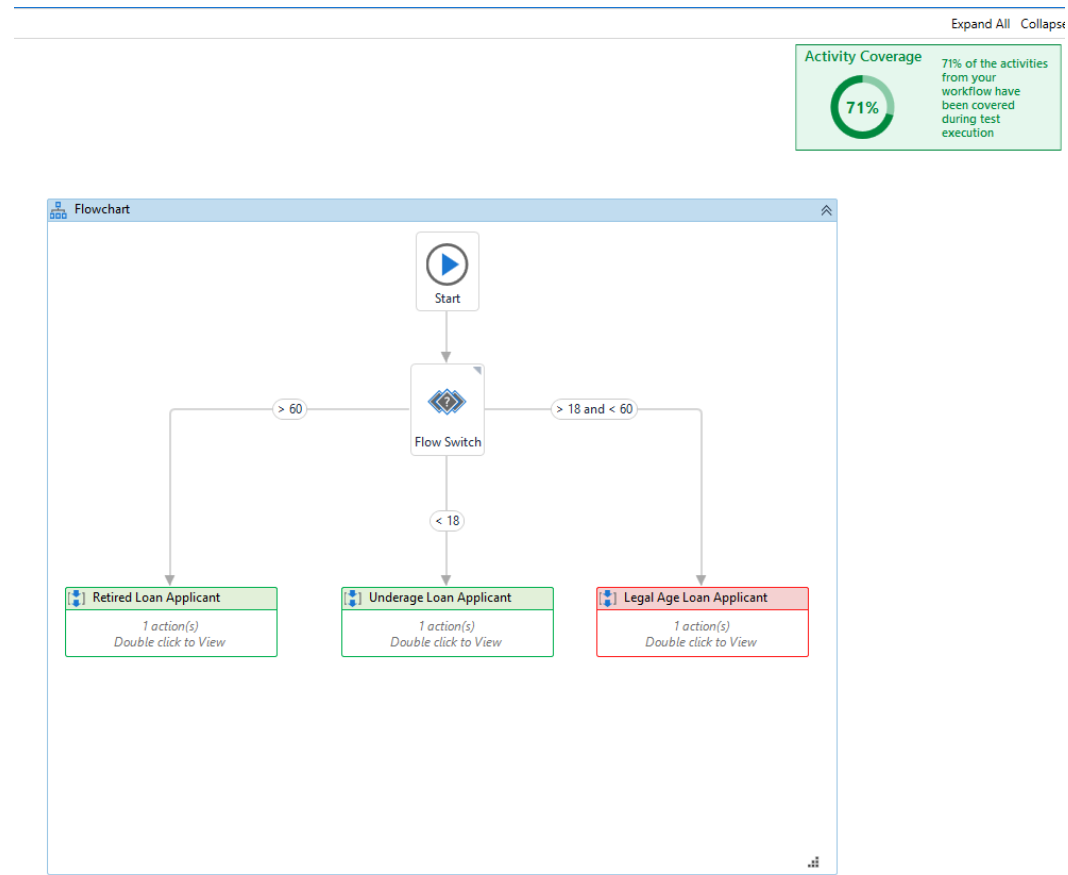
- Rename
- Delete
- Copy
- Paste
- Set as Publishable
- Run Test Cases
- Debug Test Cases**
- Convert to Workflows

Activity Coverage

Expand All Collapse All

Activity Coverage: 71% of the activities from your workflow have been covered during test execution

Activity	Coverage
Ui Main.xaml	71%
Retired Loan Applicant.xaml	42%
Underage Loan Applicant.xaml	42%



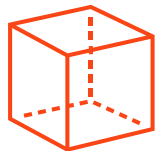


Application Testing

What is Test Data Management?

Test data management is the process of managing the data necessary for fulfilling the needs of Testing

Designing
the right Data



Provisioning
Data

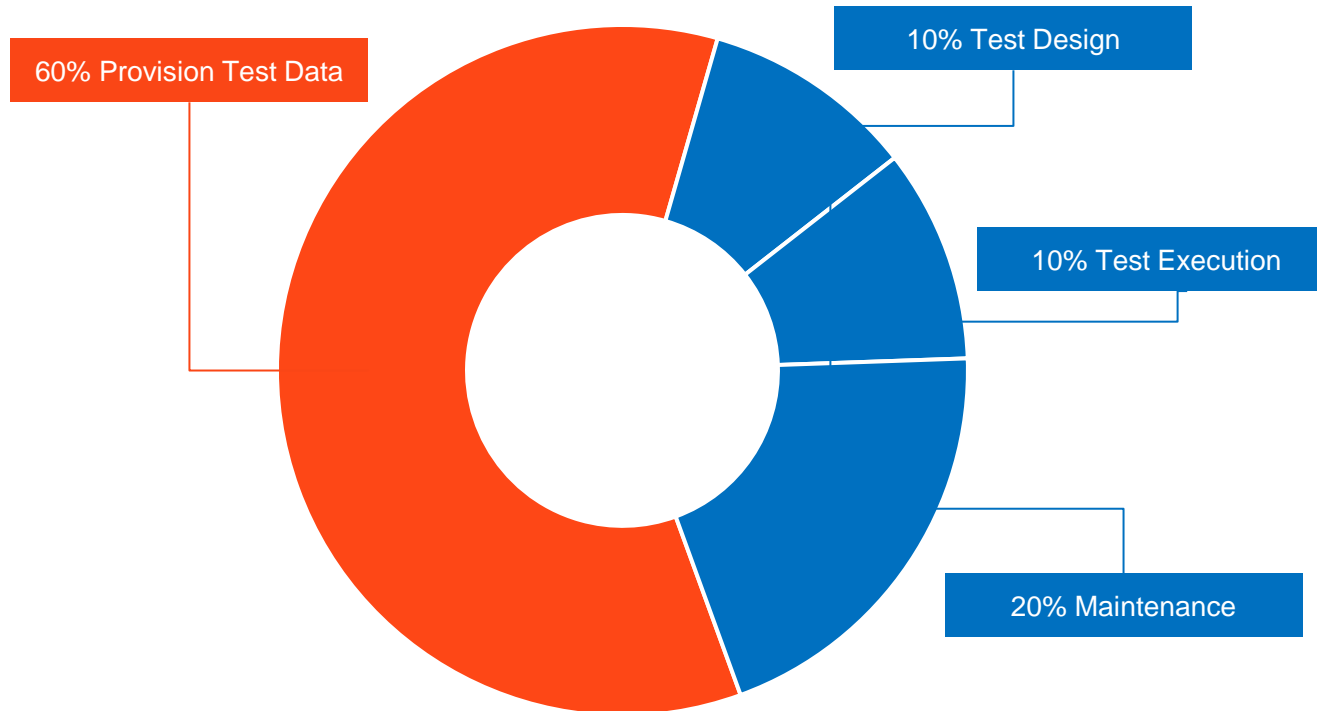


Consuming
Data



Challenges

On average +50% of the entire testing effort is spent on provisioning the required test data



- It is a complex manual task
- It requires certain knowledge to do it
- You will have to do it frequently as data gets outdated
- Wrong data leads to low coverage or false positives

How to create Test Data?

Production Data

Use copy of existing production database

- GDPR
- Low coverage
- outdated

Anonymized Production Data

Anonymize production data

- Complex applications require consistent masking over several dbs
- This is highly difficult and expensive, and always requires customizations

Synthetic Data

Create typed data synthetically, with no relation to real users/production data

- + High coverage
- + No data regulations
- + Easy to reproduce

UiPath Test Data Management

Decrease time spent on Testing by

2x

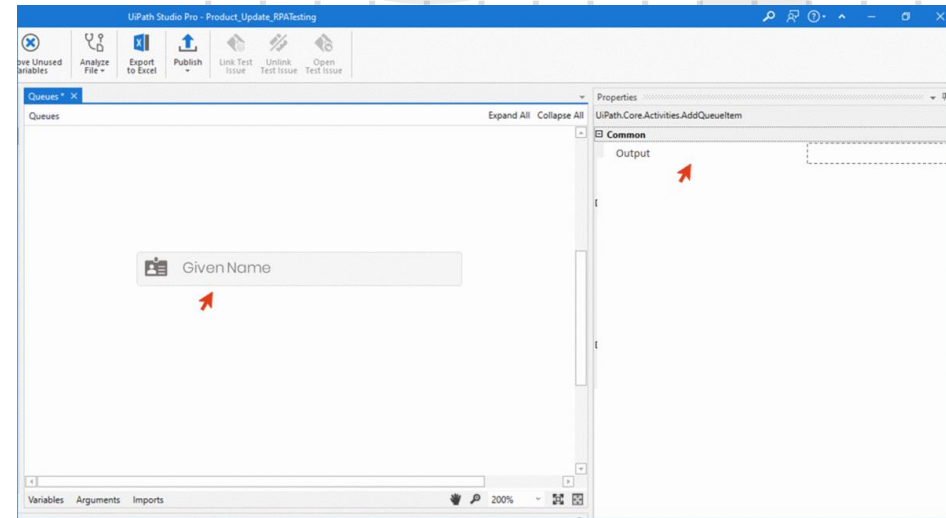
Empower Testers to take over responsibility for Test Data



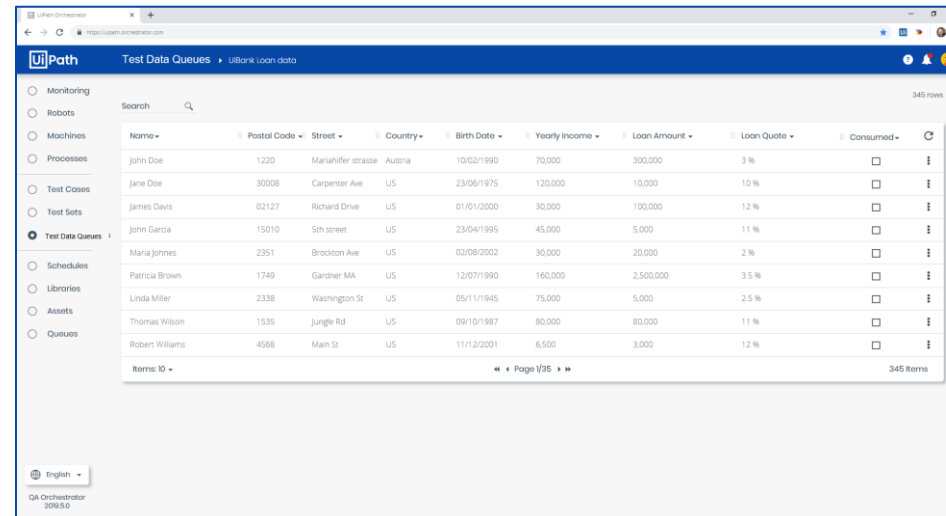
Increase coverage via synthetic test data



- Create synthetic Test Data in a matter of minutes
- Data is typed and stateful
- Data can be created/used dynamically or prepared in central storage



Synthetic Test Data Activities

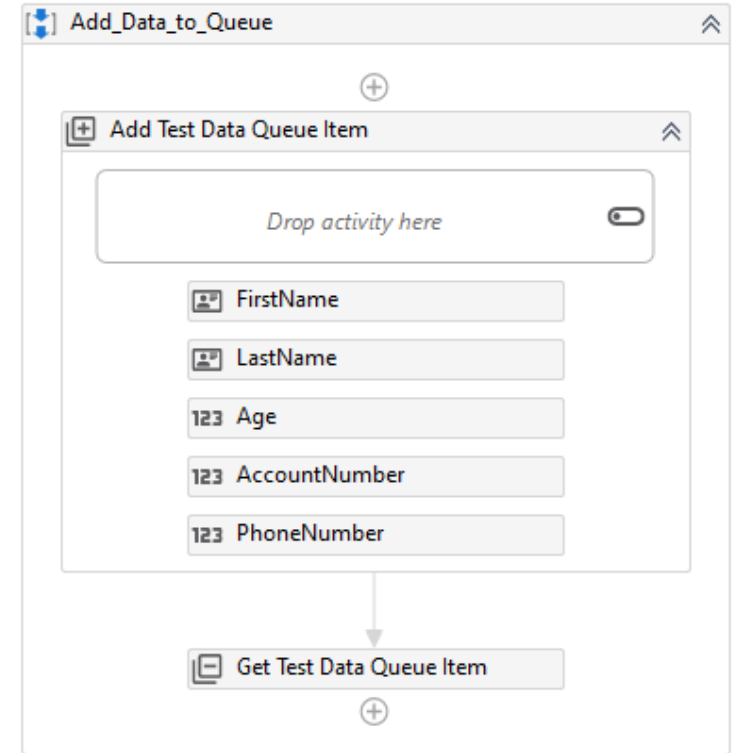
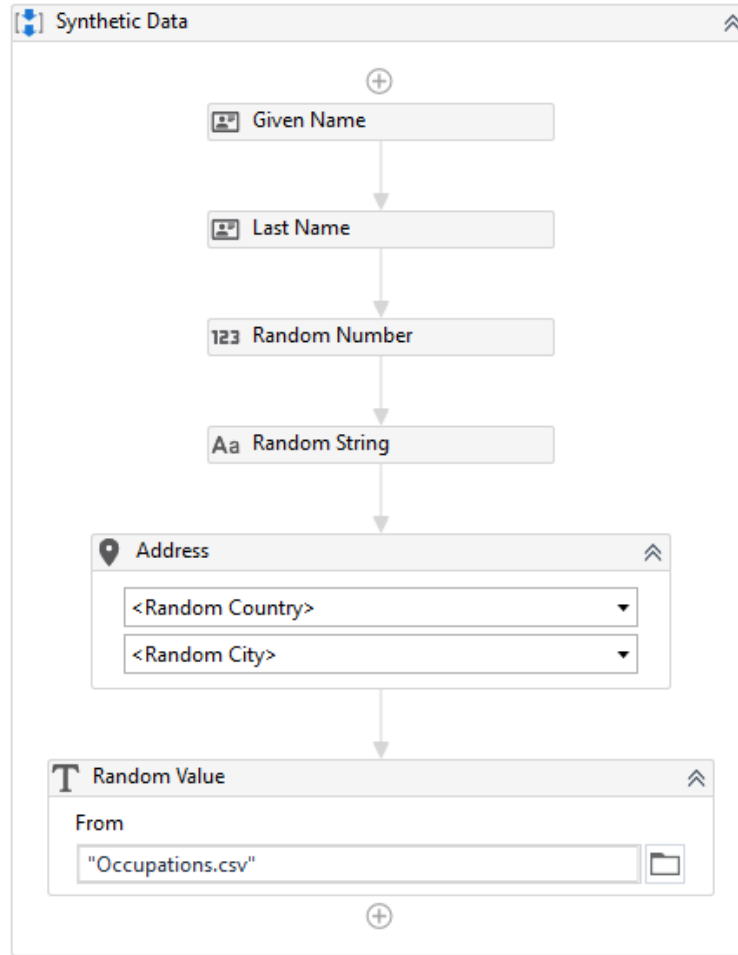


Test Data Queues

Synthetic Test Data

Testing

- Data
 - + Add Test Data Queue Item
 - Address
 - Get Test Data Queue Item
 - Given Name
 - Last Name
 - Random Date
 - 123 Random Number
 - Aa Random String
 - T Random Value
- Verification



Test Data Queues

Test Sets Test Cases Test Executions Test Schedules **Test Data Queues**

← Test Data Queue Edit: UiBank_User_Queue

Name *
UiBank_User_Queue

Description

Content Json Schema *
[How do I create a json schema?](#)

Content Json Schema ✕ [DOWNLOAD](#)

CANCEL UPDATE

- Content Json Schema: Object
 - \$id: <https://example.com/person.schema.json>
 - \$schema: <http://json-schema.org/draft-07/schema#>
 - title: Person
 - type: object
- properties: Object
 - FirstName: Object
 - LastName: Object
 - Age: Object
 - PhoneNumber: Object
 - AccountNumber: Object

Home Automations Robots Environments Monitoring Queues Assets Storage Buckets **Testing** Action Catalogs

Test Sets Test Cases Test Executions Test Schedules **Test Data Queues**

← Test Data Queue Items: UiBank_User_Queue

Search

ID	FirstName	LastName	Age	PhoneNumber	AccountNumber	IS-CONSUMED	
207	Melody	Bardell	14	8273533367	2747541613	<input type="checkbox"/>	⋮
208	Chanel	Propst	109	9186555195	5147718831	<input type="checkbox"/>	⋮
209	Mauro	Mifflin	33	7907593039	2757514629	<input type="checkbox"/>	⋮
210	Angeline	Steinwand	1	7982079371	2129268590	<input type="checkbox"/>	⋮

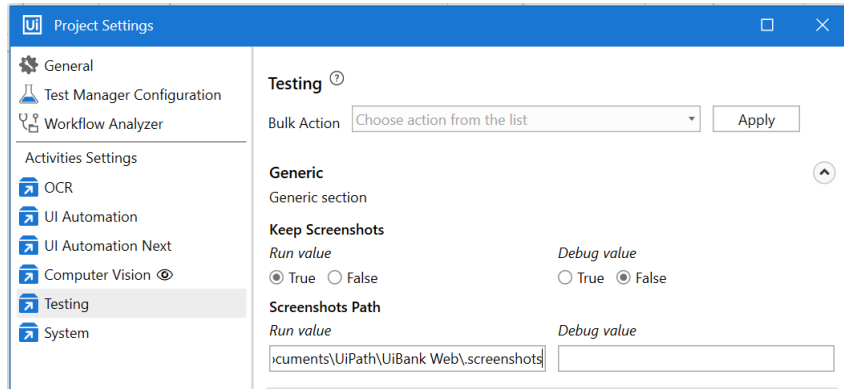
Items 25 1 - 4 / 4

Demo

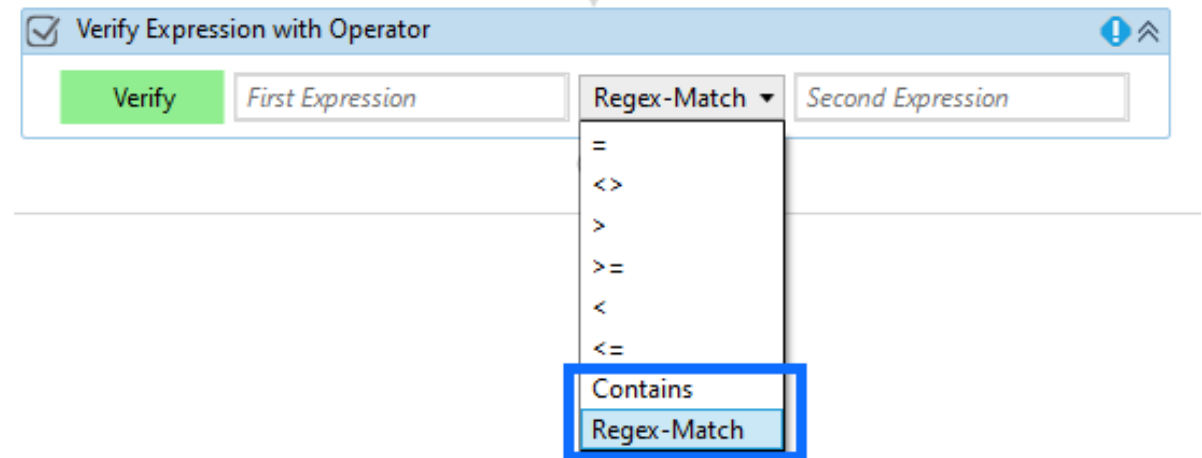


Test Results & Verification Enhancements

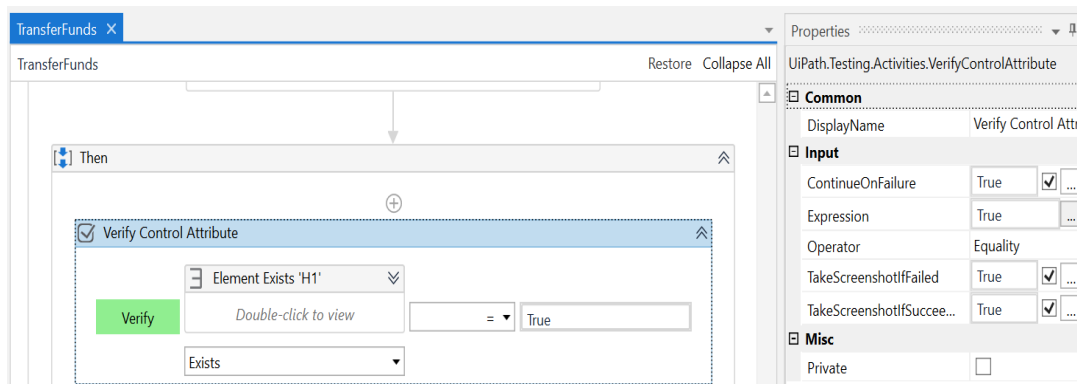
Store Screenshots locally



Wildcards within Verifications & Regular Expression



Add Screenshots for passed Activities as well



Create Test Set from Test Cases

The screenshot displays the 'Create Test Set' dialog box in the UiPath interface. The dialog is centered and contains the following fields:

- Name ***: A text input field with a red asterisk indicating it is required.
- Description**: A text input field.
- Environment ***: A dropdown menu with the text 'Select environment' and a downward arrow.

At the bottom of the dialog are two buttons: 'CANCEL' and 'CREATE'.

The background interface shows a table of test cases. The table has columns for 'CREATED' and 'LAST MODIFIED'. The first row shows '2 hours ago' for both. The subsequent three rows show '3 hours ago' for both.

	CREATED	LAST MODIFIED
	2 hours ago	2 hours ago
	3 hours ago	3 hours ago
	3 hours ago	3 hours ago
	3 hours ago	3 hours ago

CI/CD: Azure DevOps Plugin

UiPath Integration at Azure DevOps Marketplace

Visual Studio | Marketplace | Madhurima M (madhurima.m@upath.com) | Sign out

Azure DevOps > Azure Pipelines > UiPath Integration

UiPath Integration

UiPath | 1,140 installs | ★★★★★ (10) | Free

Azure Pipelines tasks for packaging, publishing and testing UiPath projects.

[Get it free](#)

[Overview](#) | [Q & A](#) | [Rating & Review](#)

UiPath Integration for Azure DevOps

About this extension

This extension allows you to build and deploy UiPath automation processes, as well as run UiPath automated test cases. In order to pack projects created with UiPath Studio starting from 20.10, you need to use a version starting from 2.1 of this extension.

Prerequisites

- Task execution must be performed on a Windows-based build agent
- Orchestrator instance (basic, federated or cloud authentication are supported)
 - Testing features require Orchestrator version 20.4 or newer
 - When using an on-premise Orchestrator under HTTPS, make sure to import the SSL Certificate so that the HTTPS calls to Orchestrator can be trusted

Works with

Azure DevOps Services
Azure DevOps Server

Resources

[License](#)

Project Details

[UiPath/Extensions](#)

More Info

[Learn more](#) | [Troubleshoot](#)

Service Connection – UiPath orchestrator

New UiPath Orchestrator Connection service connection

Authentication method

Basic Authentication
 Token Based Authentication

Orchestrator URL

The URL of the Orchestrator server to connect to.

Authentication

Username

Password

Tenant

Details

Service connection name

Description (optional)

[Learn more](#) | [Troubleshoot](#) | [Back](#) | [Save](#)

Setup in yaml file

```
1 # Starter pipeline
2 # Start with a minimal pipeline that you can customize to build and deploy your code.
3 # Add steps that build, run tests, deploy, and more:
4 # https://aka.ms/yaml
5
6 trigger:
7 - master
8
9 pool:
10 - vmImage: 'windows-latest'
11
12 steps:
13 - task: UiPathPack@2
14   inputs:
15     versionType: 'Autoversion'
16     projectSourcePath: '$(Build.SourcesDirectory)'
17     orchestratorConnection: 'Orchestrator Test Suite'
18     outputPath: '$(Build.ArtifactStagingDirectory)\Output'
19   settings:
20     - task: UiPathTest@2
21       inputs:
22         testTarget: 'TestProject'
23         orchestratorConnection: 'Orchestrator Test Suite'
24         testProjectPath: '$(Build.SourcesDirectory)'
25         environment: 'Madhu_Env'
26         folderName: 'Madhurima H'
27   settings:
28     - task: UiPathDeploy@2
29       inputs:
30         orchestratorConnection: 'Orchestrator Test Suite'
31         packagesPath: '$(Build.ArtifactStagingDirectory)\Output'
32         folderName: 'Madhurima H'
33         environments: 'Madhu_Env'
```

Test Analysis

#20201008.1 Set up CI/CD with Azure Pipelines

on Madhurima-UiPath.AzureDevOpsPipeline

Summary | Tests | Code Coverage

Summary

1 Run(s) Completed (0 Passed, 1 Failed) | 2 unique failing tests in the last 14 days

4 Total tests (+4)

2 Passed | 2 Failed | 0 Others

2 Failed tests (+2) | 2 New | 0 Existing

50% Pass percentage (↑ 50%)

1m Run duration (↑ +1m)

0 Tests not reported

Test	Duration	Failing since	Failing build
JUnit_TestResults_1 (2/4)	0:01:00.220		
TestCases[Environment>Login>LoginOK.xml] New	0:00:36.273	2h ago	Current build
TestCases[Environment]AssetsCheck.xml New	0:00:05.387	2h ago	Current build

Demo





Test Manager



Key Features

Authorization & Rights Management

We have a process defined in order to authorize the newly added users in Orchestrator to get access to Test Manager

Username	Full Name	Email	Role	Active	Pending Authorization
testset	System Admin		User	✓	
testmanager	Test Manager		User	✓	
testadminuser		testadminuser@uipath.com	Admin	✓	
testuser	Test User	testuser@uipath.com	User	✓	
testclient	WebApp AppClientUser		User	✓	

Select Orchestrator TestSet

Search by name, object key or label

Name	Description
<input type="radio"/> [Task Mining] Full Run	
<input type="radio"/> demo Test Set	
<input type="radio"/> Demo_Ingoo	
<input type="radio"/> GenericTestSet	GenericTestSet
<input type="radio"/> GenDis Balance Check 04020200	
<input type="radio"/> Demot Delete Me	
<input type="radio"/> IntegriTestSet	
<input checked="" type="radio"/> Msdhru_UIBankTestSet	
<input type="radio"/> meatloaf	edit
<input type="radio"/> Onur Test Set	

Buttons: Link, Cancel

Executing Tests from Test Manager

We can not only execute Test Sets from Orchestrator, but we can now trigger these Test Sets on Orchestrator from Test Manager

Custom Fields

We support custom fields, now the project admins can add project related custom fields to the requirements, test cases and test sets.

Home / UDP / Requirements / UDP:2

User should be able to Create An Account

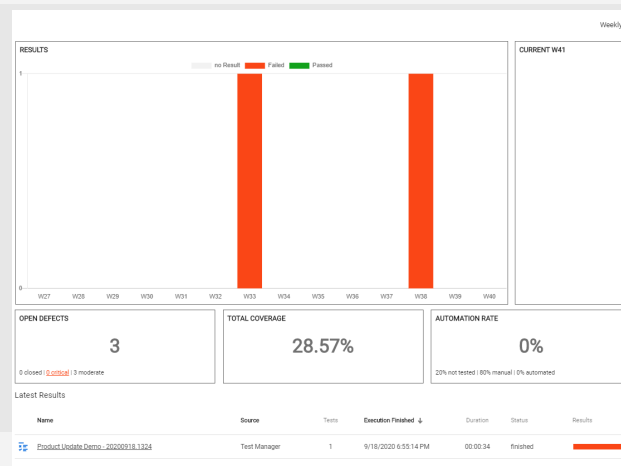
Basic Documents Details

Effort *

- 10
- 20
- 30
- 30+



Key Features



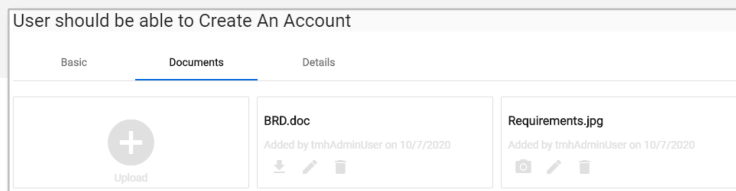
New Dashboard KPIs

We can see 3 more KPI dashboards available to monitor the projects and the status of it.

Attachment Support & Filter Search

With the latest enhancements, you can now search the requirements, test cases and test sets as well.

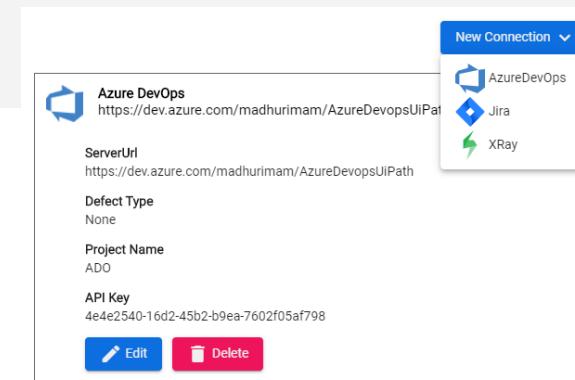
Additionally, you can also attach documents in these sections



Azure DevOps

We introduced one more integration, Azure DevOps to the Test Manager.

Similar to Jira and X-Ray, we can now link the Requirements and Test cases from AzureDevOps to Test Manager



Authorization and Rights Management

You have not been authorized to access Test Manager.

You can request authorization via the button below.

[Request Access](#) [Click here to logout](#)

Home / Administration / Users and Groups

All Users Administrators Pending Authorization Disabled

Search by name, object key or label

Username ↑	Full Name	Email	Role	Active	Pending Authorization
rsekot	Roman Sekot		User	✓	⋮
test-manager	Test Manager		User	✓	⋮
tmhAdminUser		tmhadminuser@uipath.com	Admin	✓	⋮
tmhUser	tmhUser Test User	tmhuser@uipath.com	User	✓	⋮
webapi-user	WebApi ApiClientUser		User	✓	⋮

Items per Page 10 1 - 5 of 5

UiPath™ Test Ma

Dashboard

Administration

- Users and Groups
- Project Settings
- Application Settings
- Maintenance

Open Project

Search

Update User

Username
rsekot

Full Name
Roman Sekot

Admin Role

[Save](#) [Cancel](#)

Executing Tests from Test Manager

The image shows a screenshot of the Test Manager interface. A modal dialog box titled "Select Orchestrator TestSet" is open in the foreground. It features a search bar with the placeholder text "Search by name, object key or label". Below the search bar is a table of test sets. The table has two columns: "Name" and "Description". The "Name" column is sorted in ascending order. The test sets listed are:

Name ↑	Description
<input type="radio"/> [Task Mining] Full Run	
<input type="radio"/> demo Test Set	
<input type="radio"/> Demo_Ingo	
<input type="radio"/> GenericTestSet	GenericTestSet
<input type="radio"/> Gerds Balance Check 04032020	
<input type="radio"/> Gernot Delete Me	
<input type="radio"/> IntegrTestSet	
<input checked="" type="radio"/> Madhu_UIBankTestSet	
<input type="radio"/> meatloaf	edit
<input type="radio"/> Onur Test Set	

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

In the background, the Test Manager interface is visible. It shows a list of test sets with a "Link" button and a "Create Test Set" button at the top right. The list has a header "Updated ↓" and a row with the text "10/7/2020 10:12:55 AM - tmhAdminUser". Below the list, there is a pagination control showing "Items per Page 12" and "1 - 1 of 1".

Attachments Support & Filter Search

User should be able to Create An Account

Basic Documents Details

Upload

BRD.doc
Added by tmhAdminUser on 10/7/2020

Requirements.jpg
Added by tmhAdminUser on 10/7/2020

1/4 In the Chrome Browser, open "https://uibank.uipath.com/"

2/4 Enter the username: "testuser@uipath.com"

3/4 Enter the password "Welcome1"

4/4 **Description**
Click on the Sign In button

Expected Behaviour
The user should be signed in

Tester Comment
The Login Failed.

Upload attachment
Delete attachment

Set Passed

DONE

Create Requirement

Requirement Name
User should be able to Create An Account

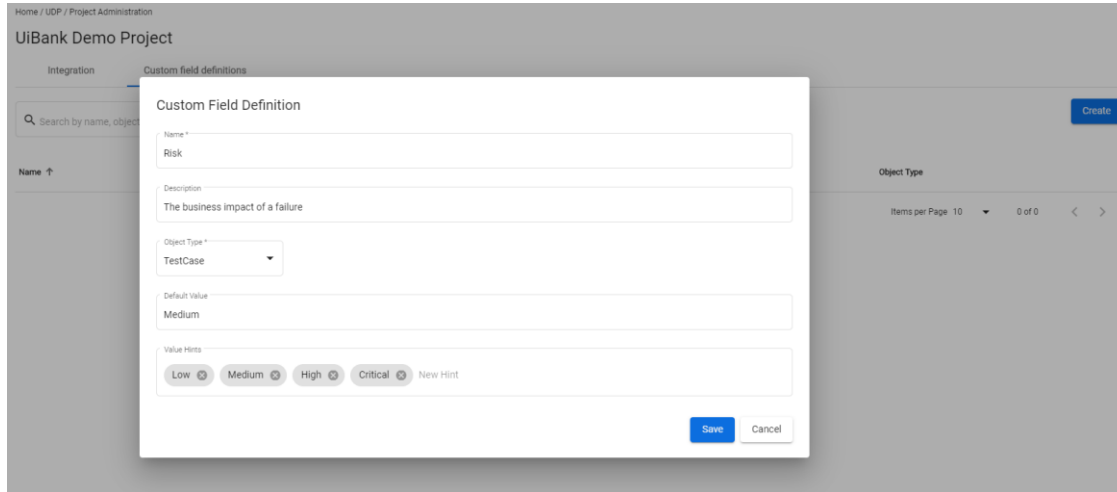
Description (optional)

Provide additional information about the requirement.

Labels
Account

Create Cancel

Custom Fields



Home / UDP / Test Cases / UDP:3

User Login with Valid Credentials

Overview Automation Manual Steps Documents **Details**

Risk *

Medium

Low

Medium

High

Critical

Home / UDP / Requirements / UDP:2

User should be able to Create An Account

Basic Documents **Details**

Effort *

10

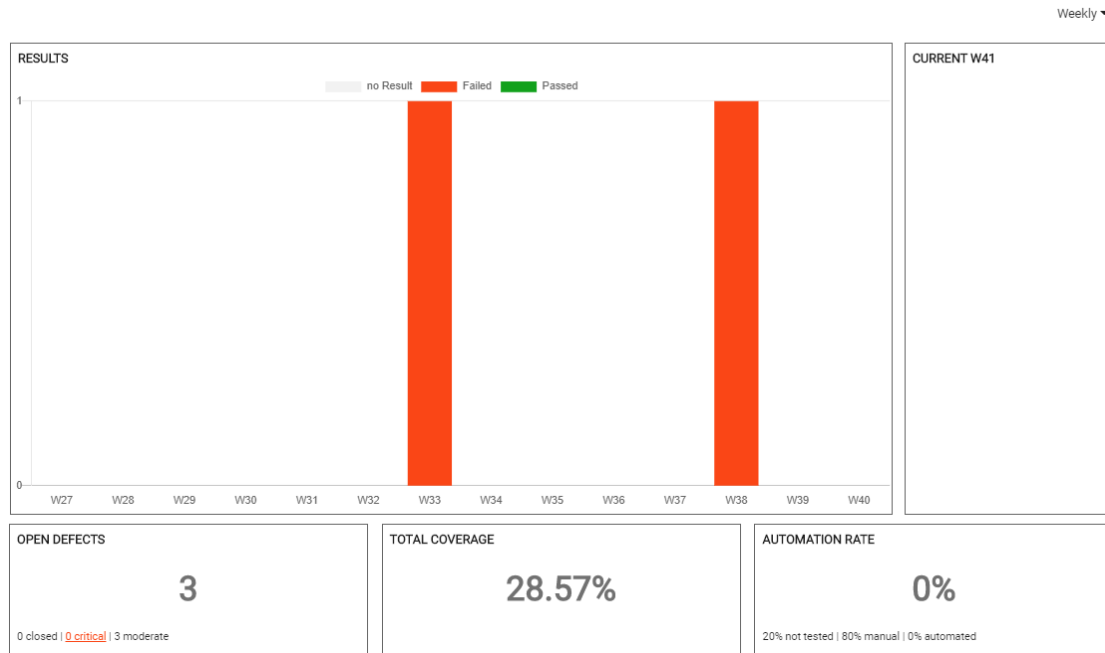
10

20

30

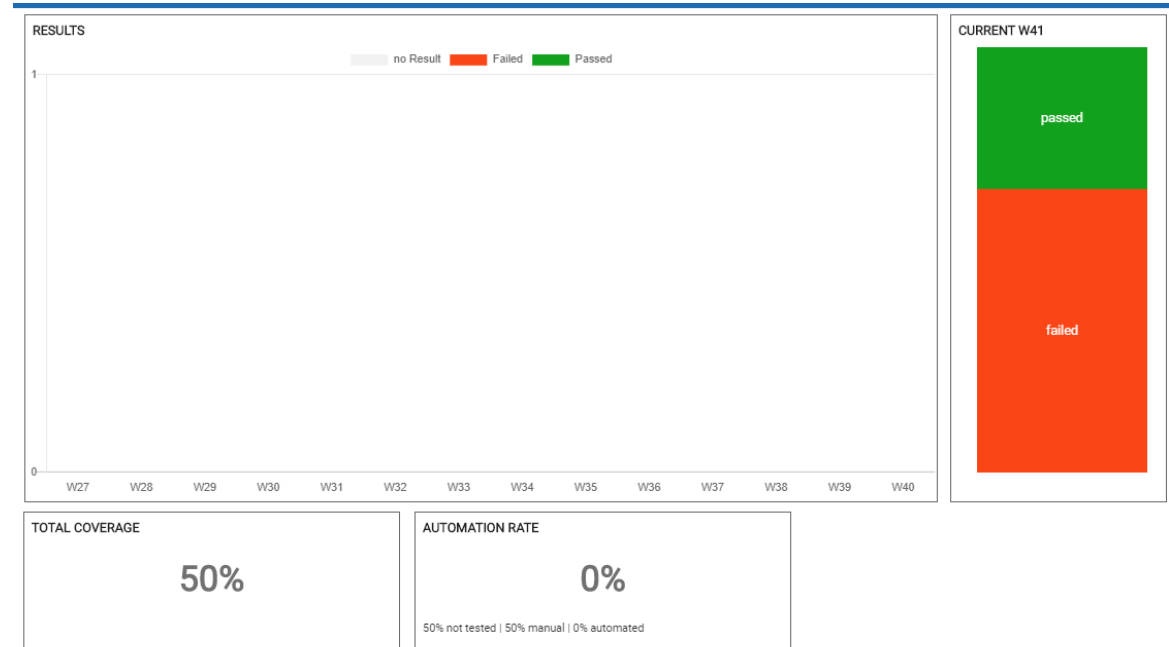
30+

Reporting Enhancements



Latest Results

Name	Source	Tests	Execution Finished ↓	Duration	Status	Results
Product Update Demo - 20200918.1324	Test Manager	1	9/18/2020 6:55:14 PM	00:00:34	finished	█
Product Update Demo - 20200914.1422	Test Manager	1	9/14/2020 6:07:26 PM	00:04:01	failed	█



Latest Results

Name	Source	Tests	Execution Finished ↓	Duration	Status	Results
Integration Testing - 20201007.0658	Test Manager	1	10/7/2020 12:29:06 PM	00:00:03	finished	█
Integration Testing - 20201007.0452	Test Manager	1	10/7/2020 10:26:44 AM	00:04:09	finished	█

Demo





SAP Solution Manager and SAP Automation

File Home Insert Design Transitions Animations Slide Show Review View Help

Clipboard: Paste, Cut, Copy, Format Painter, New Slide, Reuse Slides, Layout, Reset, Section

Font: B, I, U, S, AV, Aa, Text Direction, Align Text, Convert to SmartArt

Paragraph: List, Indent, Decrease Indent, Increase Indent, Bulleted List, Numbered List, Decrease Indent, Increase Indent

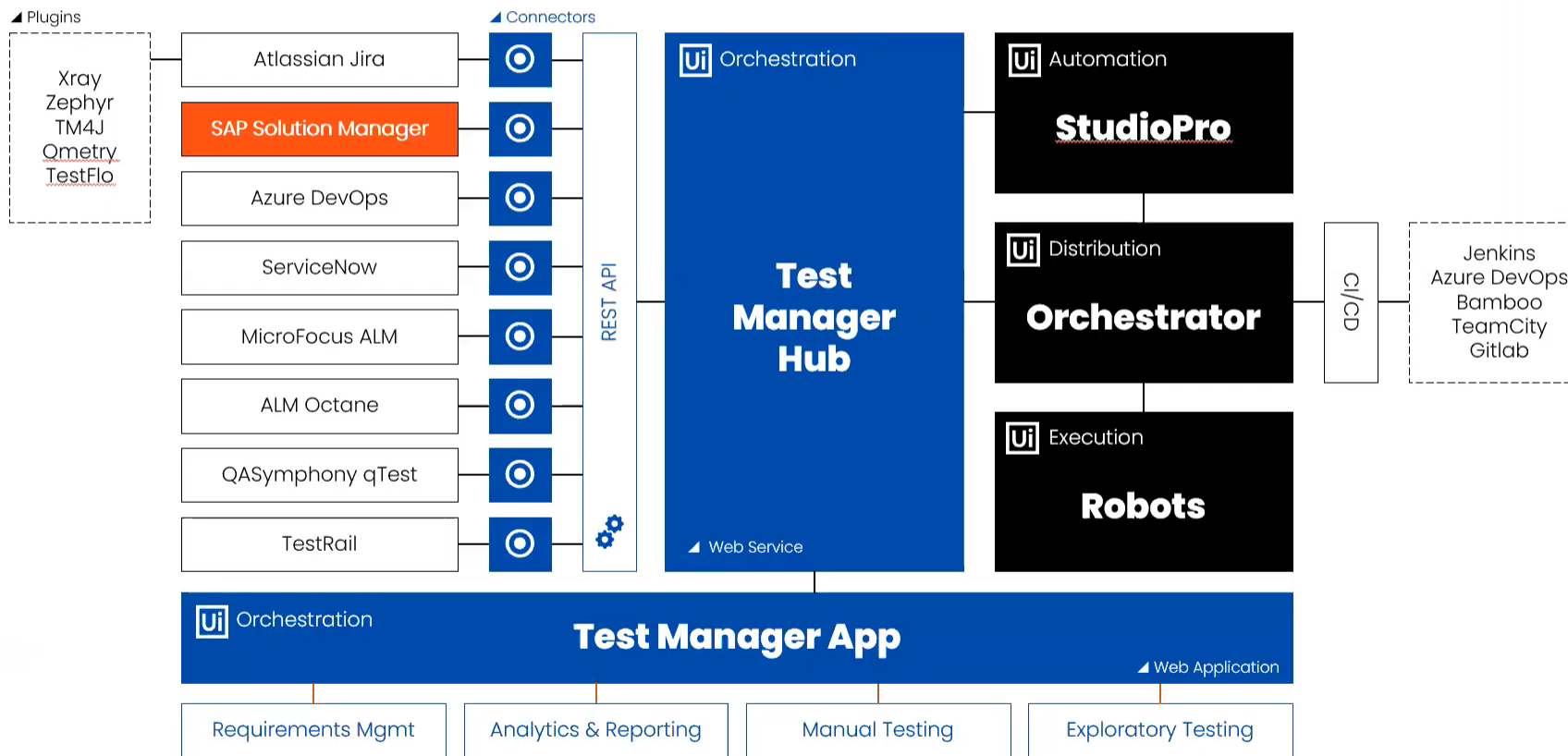
Drawing: Arrange, Quick Styles, Shape Fill, Shape Outline, Shape Effects

Editing: Find, Replace, Select

Voice: Dictate

Designer: Design Ideas

Architecture Diagram – Big Picture





Mobile Device Automation

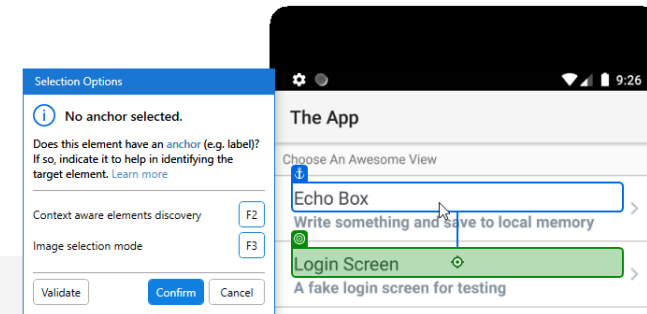
Key Features



Device Mirroring

See your execution running directly within MDM and work on multiple devices at the same time. You can even continue working on the device after the execution.

This is yet another big UX feature, aligning Desktop & Mobile Automation even more.

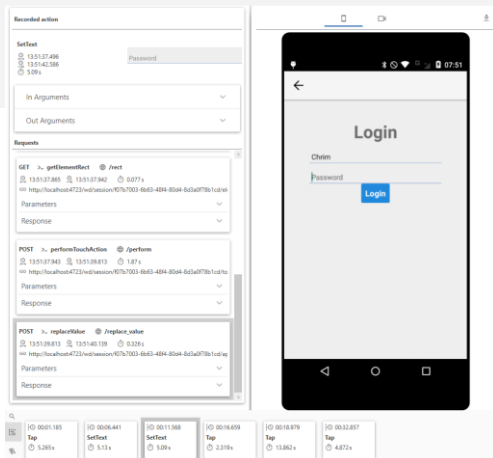


Anchors & Images

In a dare-devil last-minute initiative, we introduced more integration with Unified Target and support image identification and anchors.

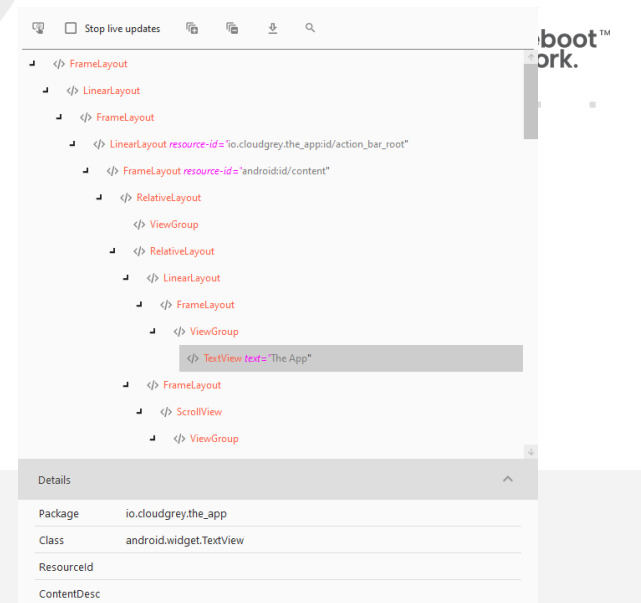
Execution Timeline

As differentiator on the market, we can not only report the timeline of execution, Screenshots and videos, but also the controls available on a screen.





Other Improvements



Visual Tree

View technical details about the screen and the controls on it. We even introduced a live “Inspect Element” option.

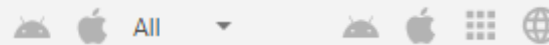
Variables

We increased the UX for configuring Devices & Apps by introducing variables, including IntelliSense.



Quick Filters

Quickly search & filter your Apps & Devices.



And many Bug-Fixes & Small Improvements

Project level settings

Variables	
Name	Value
LocalAppiumEndpoint	http://localhost:4723/wd/hub
SauceLabsAppiumEndpoint	https://ChrisMajorTemp:4aae93ff-
LocalAppPath	C:\Temp\MobileApps\

Appium Uri {

- LocalAppiumEndpoint
- SauceLabsAppiumEndpoint
- LocalAppPath
- TimeOutDefault

Additional Desired Capabilities

Name	Value
------	-------

MDM: Device Mirroring

The screenshot displays the UiPath Mobile Device Manager interface. The top navigation bar is blue with the UiPath logo on the left and the text "Mobile Device Manager" on the right. Below the navigation bar, there is a search bar labeled "Search devices" with a plus sign to its right. A dropdown menu shows "All" and "4 / 4" devices. The main content area is divided into two sections: "Devices" on the left and "Applications" on the right. The "Devices" section contains four device cards:

- iPhone11**: Device name: iPhone_11_13_real, OS: iOS, OS Version: 13.3.1
- Samsung Galaxy 10**: Device name: Samsung_Galaxy_A10_real, OS: Android, OS Version: 10.0
- Google Pixel 3**: Device name: Google_Pixel_3_real, OS: Android, OS Version: 11.0
- Samsung Galaxy S9 Emulator**: Device name: Samsung_Galaxy_S9_HD_GoogleAPI..., OS: Android, OS Version: 8.1

The "Applications" section is currently empty. On the right side of the interface, there is a vertical sidebar with three tabs: "DEBUG LOG", "RECORDED ACTIONS", and "VISUAL TREE". At the bottom of the interface, there is a blue bar with a warning message: "The recording time limit 600 is outside the supported range. (A value lower than 600 may cause issues while executing a recording)." The background of the slide features a large, light gray circular graphic with a grid pattern.

Execution Timeline

00008030-0005718A0A50802E | x emulator-5554 | TheApp.apk (1) x Samsung Galaxy S9 Emulator | UiExpert - Samsung Galaxy S9 HD GoogleAPI Emulator (3) x em

Recorded action

Tap

17:38:15.651 Login Screen
17:38:29.073
13.422 s

In Arguments

Out Arguments

Requests

POST > _ setContext /context

17:38:15.875 17:38:16.299 0.424 s

https://smes:dcd37053-f1e4-4253-b454-ce4f7b55d8bf@ondemand.eu-central

Parameters

```
{
  "name": "NATIVE_APP"
}
```

Response

POST > _ findElements /elements

17:38:16.300 17:38:16.721 0.421 s

https://smes:dcd37053-f1e4-4253-b454-ce4f7b55d8bf@ondemand.eu-central

Parameters

Response

GET > _ getElementLocation /location

17:38:16.722 17:38:16.923 0.201 s

https://smes:dcd37053-f1e4-4253-b454-ce4f7b55d8bf@ondemand.eu-central

The App

Choose An Awesome View

- Echo Box
Write something and save to local memory
- Login Screen
A fake login screen for testing
- Clipboard Demo
Mess around with the clipboard
- Webview Demo
Explore the possibilities of hybrid apps
- Dual Webview Demo
Automate apps with multiple webviews
- List Demo
Scroll through a list of stuff
- Photo Demo
Some photos with no distinguishing IDs
- Geolocation Demo
Use the camera and the photo library
- Picker Demo
Use some picker wheels for fun and profit

00:02.124 Tap 13.422 s

00:15.535 Tap 4.767 s

00:20.308 SetText 7.778 s

00:28.085 Tap 14.377 s

00:42.478 SetText 7.493 s

00:49.960 Tap 15.368 s

01:05.330 Tap 15.894 s

01:21.230 Tap 7.084 s

Visual Tree & Configuration Settings

The screenshot shows the Visual Tree and Configuration Settings in UiPath Studio. The Visual Tree on the left displays a hierarchy of UI elements: ViewGroup, RelativeLayout, LinearLayout, FrameLayout, ScrollView, and another ViewGroup containing a TextView with text="Choose An Awesome View", a ViewGroup containing a ViewGroup with content-desc="Echo Box" (highlighted) and a TextView with text="Echo Box", and another TextView with text="Write something and :". The Configuration Settings on the right show details for the selected TextView, including Package (io.cloudgrey.the_app), Class (android.widget.TextView), ResourceId, ContentDesc, Text (Echo Box), and various properties like Displayed, Enabled, Focused, Focusable, Clickable, RegionOnDevice, and TypeHint.

The screenshot shows the Mobile Device Manager interface. The title "Mobile Device Manager" is prominently displayed. Below the title, there are several options: "Open Devices", "Open Applications", "Start an application", and "Open log". To the right, under "Recent connections:", it says "No items to display". A blue box highlights the "Export Configurations" and "Import Configurations" options.

Other Improvements: Variables, Filtering

Project level settings **Variables**

Name	Value
LocalAppiumEndpoint	http://localhost:4273/wd/hub
SauceLabsAppiumEndpoint	https://smes:dcd37053-f1e4-4253-b454-ce4f7b:
LocalAppPath	C:\Temp\MobileApps\
TimeOutDefault	0

SAVE & CLOSE CANCEL

Search devices + 4 / 4

All

- iPhone11**
Device name: iPhone_11_13_real
OS: iOS
OS Version: 13.3.1
- Samsung Galaxy 10**
Device name: Samsung_Galaxy_A10_real
OS: Android
OS Version: 10.0
- Google Pixel 3**
Device name: Google_Pixel_3_real
OS: Android
OS Version: 11.0
- Samsung Galaxy S9 Emulator**
Device name: Samsung Galaxy S9 HD GoogleAPI...
OS: Android
OS Version: 8.1

The App

Choose An Awesome View

- Echo Box
Write something and save to local memory
- Login Screen
A fake login screen for testing
- Clipboard Demo
Mess around with the clipboard
- Webview Demo
Explore the possibilities of hybrid apps
- Dual Webview Demo
Automate apps with multiple webviews
- List Demo
Scroll through a list of stuff
- Photo Demo
Some photos with no distinguishing IDs
- Geolocation Demo
Use the camera and the photo library
- Picker Demo
Use some picker wheels for fun and profit

Demo



Q&A

UiPath Test Suite

Thank you



