UiPath 2020.10 LTS Release Partner Technical Mastermind APAC + INDIA region

Session 1 of 6 - Test Suite 20.10

27th 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 14th Oct 2020



Global Partner Webinar 11th Nov 2020

Technical Enablement

Technical Live Session

1.5-2 Hour Sessions for Each Product Family 27th Oct – 12th Nov 2020

Technical Self Learning

in Partner Academy

Technical Documentation

in Partner Portal



2020.10 Launch Partner Tech Mastermind Sessions



Phase	Webinar Topics	Date			
	Explore the enhancements to RPA Testing, Application Testing and Test Manager.	Register now			
-॑©҉- Testing	 Support for custom fields and attachments Microsoft Azure Devops connector Xray connector for Jira SAP Fiori support Synthetic Test Data Generator Activity and more 	27th October 2020 at 10:00 am IST/12:30 pm SGT	Process Understanding	Accelerate automation journey with Process Discovery with enhanced feature More deployment option (MSI) Action Centre and Robot Integration SAP Connectors and more	Register now 3rd November 2020 at 10:0 IST/12:30 pm SGT
	Manage and Scale with Al. AlFabric (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)	Register now 28th October 2020 at 10:00 am IST/12:30 pm SGT	Apps	Get introduced to the low code application builder App Studio App Runtime user experience Single click deployment and more	Register now 9th November 2020 at 10:0 IST/12:30 pm SGT
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	Register now 2nd November 2020 at 10:00 am IST/12:30 pm SGT	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	Register now 12th November 2020 at 10:0 IST/12:30 pm SGT

Main Speaker





Vijay Raju Test Automation Engineer

Panellists



Tameem Saieed
Test Automation Engineer



Chandrashekhar B Test Automation Engineer



Madhurima M Senior RPA Engineer

Agenda



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

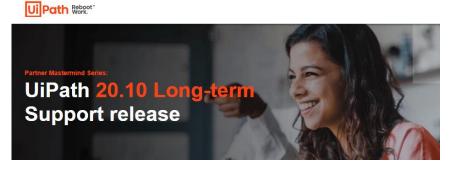


Quick Housekeeping notes

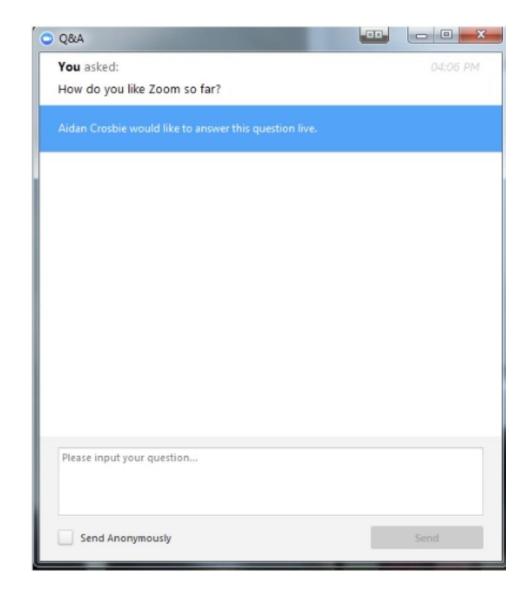
- Please enter your question in the Q&A box.
- We will address the questions along the way, at the end of the presentation or by follow up email.

FAQ: Is this webinar recorded?

Yes, this webinar is recorded and will be shared in Partner Portal or a dedicated webpage:



APAC+INDIA Partner Tech Mastermind on 2020.10 LTS Release



Challenges UiPath Test Suite

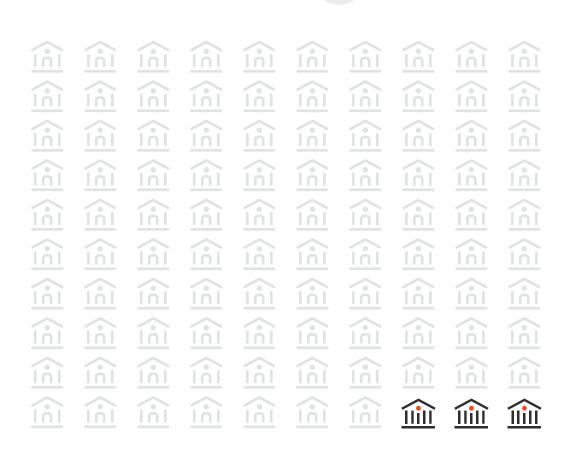




Scaling automation in siloes is not moving the needle



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

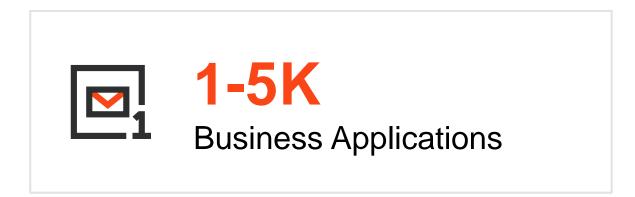


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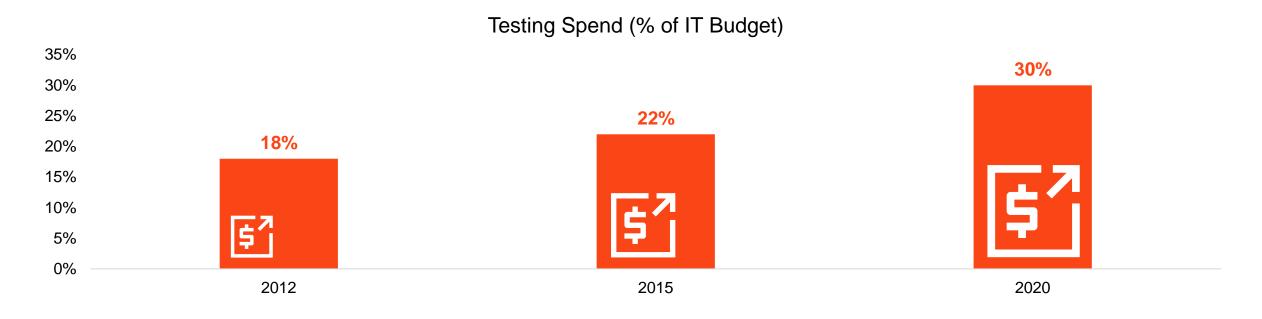
of companies have scaled their digital workforce

Keeping up with application growth and changes is getting harder









Failure to address underlying changes result in continuous maintenance





Manages Applications

IT Operations

Manages Applications







Business

Manages Daily Business

Application Changes

Change Frequency • Application

Environment Changes

Change Frequency Fenvironment

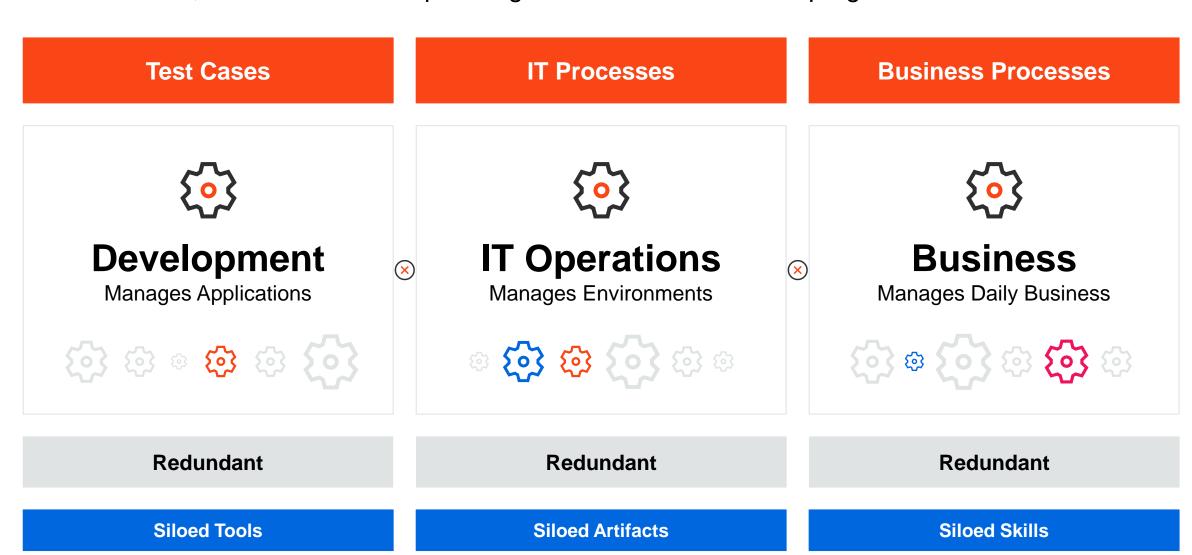
High Maintenance

Change Frequency ► Environment

Siloed automation only wins games...



Redundant effort, minimal reuse and poor alignment slows automation progress



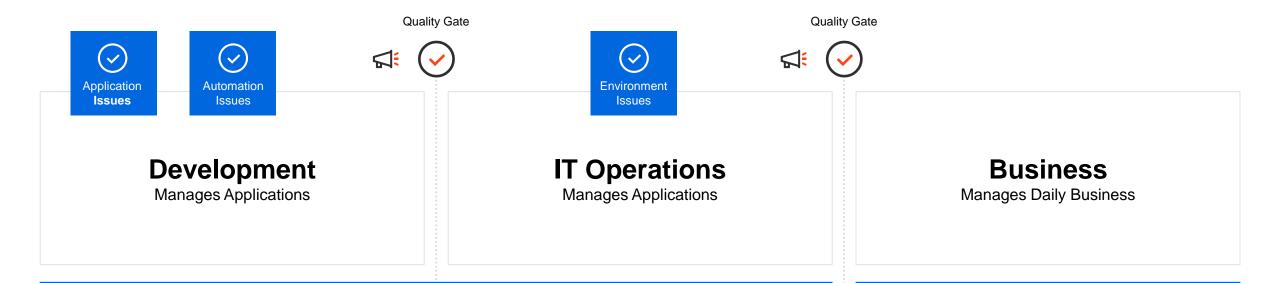
Solution UiPath Test Suite



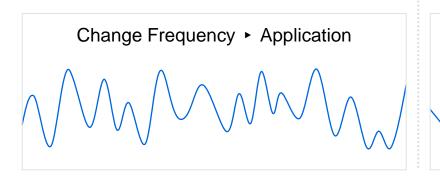


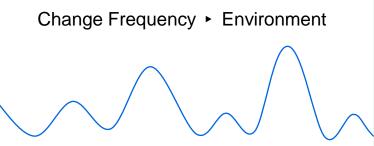
Transition from continuous maintenance to continuous automation





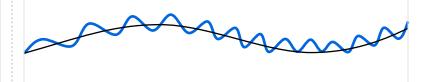






Low Maintenance

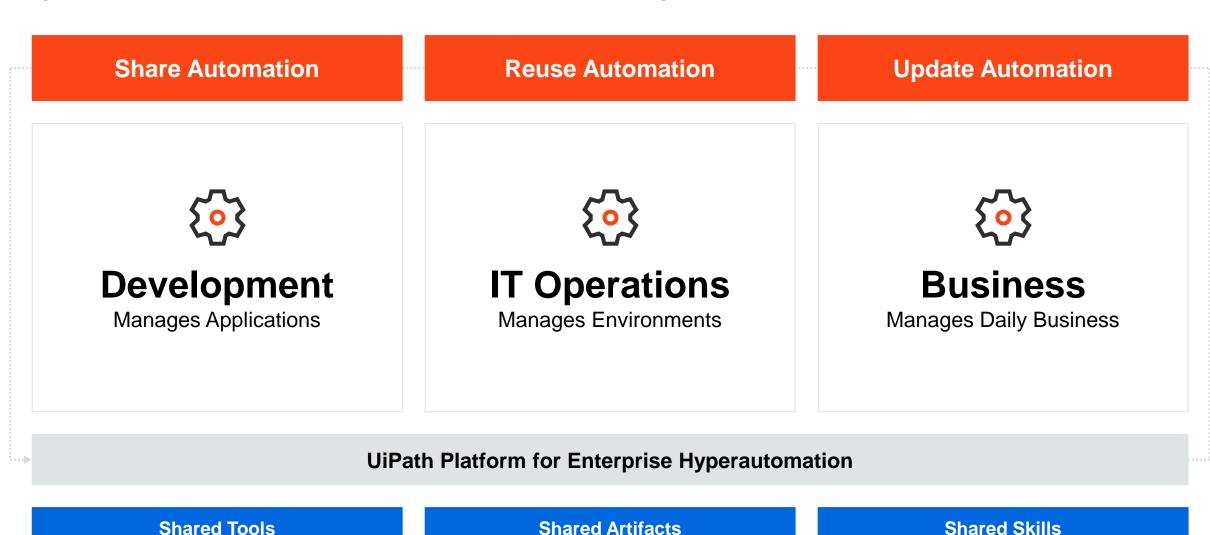
Change Frequency ► Business Process



Enterprise automation wins championships



Alignment and reuse enable rapid and sustainable scaling



The UiPath Platform enables Hyperautomation across the Enterprise





Automate Business Processes

Development

Automate Test Cases





Here's Where

Hyperautomation
Happens

IT Operations
Automate IT Processes

UiPath: An End-to-End Hyperautomation Platform





Discover automation opportunities powered by Al 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

Automation Hub Process Mining Task Capture Task Mining

StudioX Studio **Document Understanding**

Studio Pro

Automation Cloud Al Fabric

Attended Robots Unattended Robots Test Robots

Assistant Action Center Apps Chatbots

UiPath Test Suite

Orchestrator **Test Manager**

Test Robots

Continuously Test & Deploy















Process Analysts *

RPA, Citizen Developers and Testers *

IT Operations *

Business Users *

Target Persona Groups & Value Drivers





Management Team CIO/CTO/CxO



Testing Team
Test Manager & Software Tester



RPA Team

RPA Manager & Developer

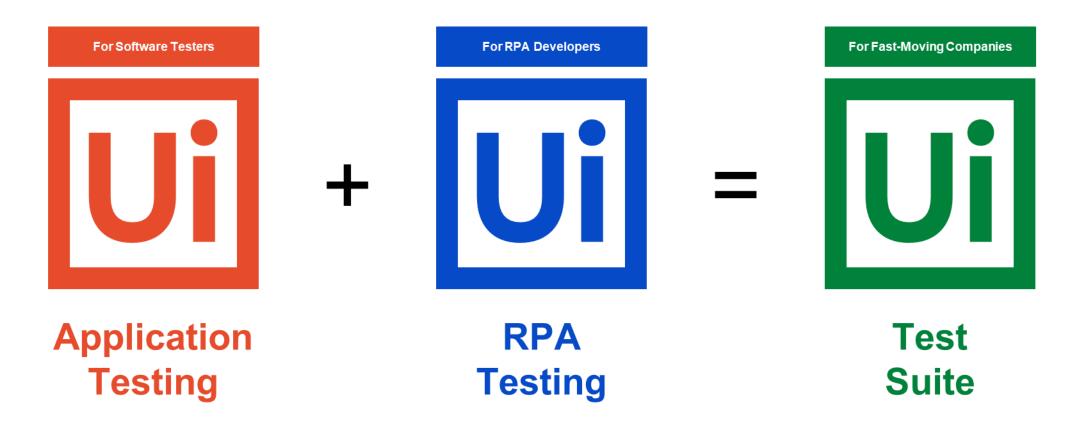
Accelerate Growth & Operational Efficiency Mitigate Risks

Improve Employee Experience
Quality Delivery & Release velocity

Accelerate Automation Program Efficiency & faster business outcomes



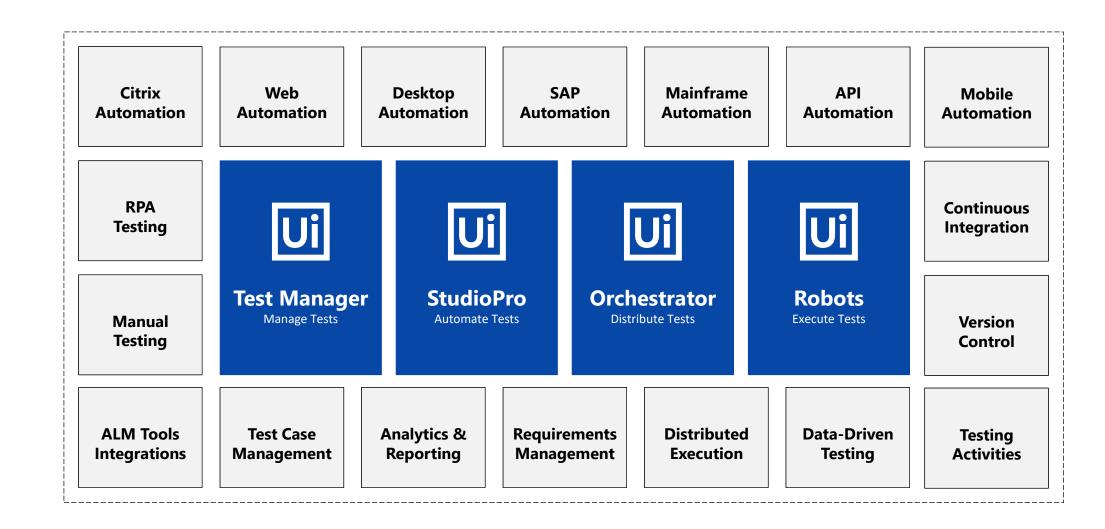
UiPath Test Suite One solution, two missions



[•] 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

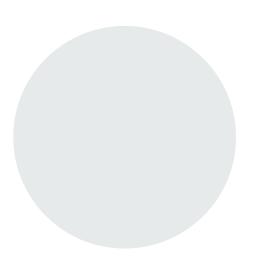
Features Walkthrough







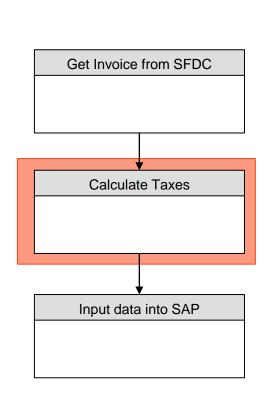
RPA Testing

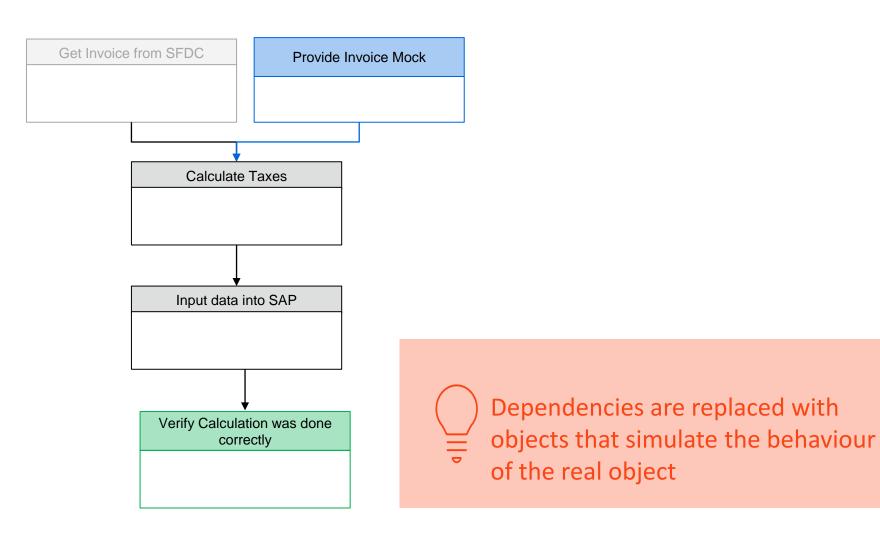




What is Mocking?

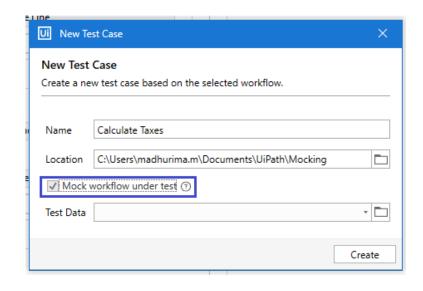


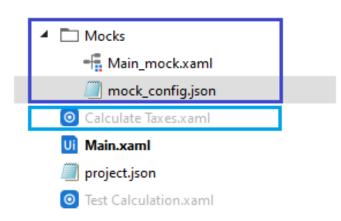


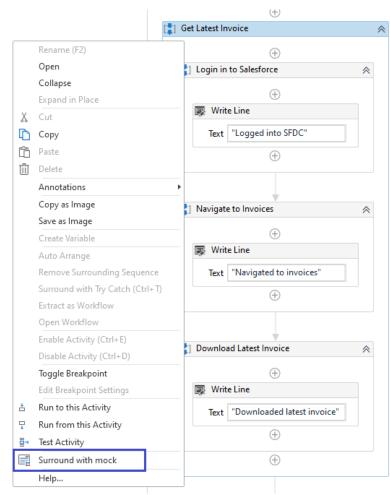


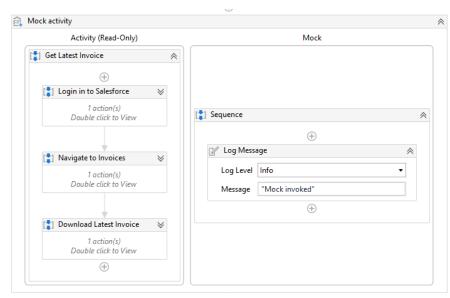
Mocking











Demo





Activity Coverage Panel



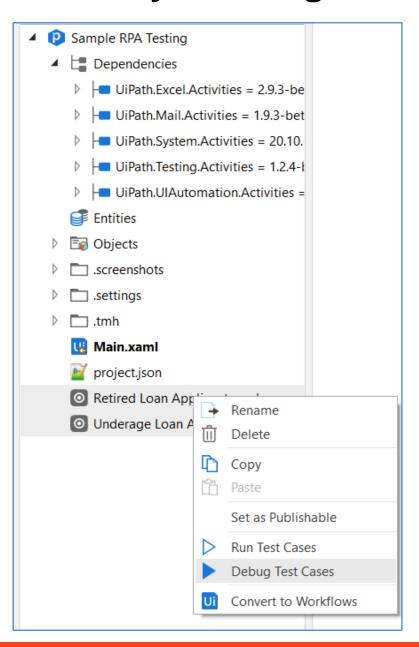
Expand All Collapse

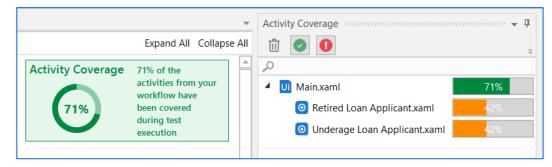
71% of the activities from your workflow have

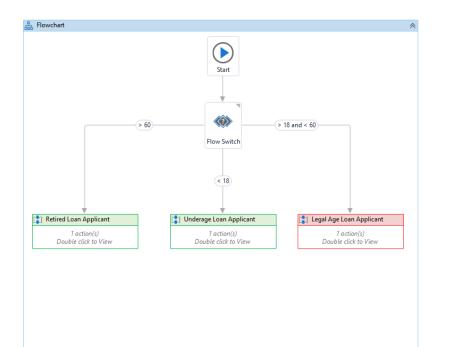
been covered during test

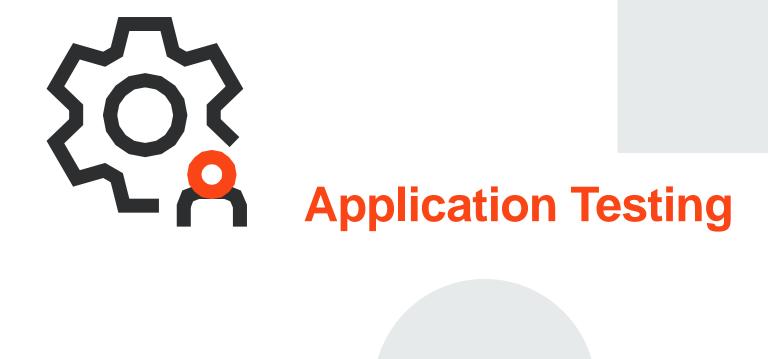
Activity Coverage

71%











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



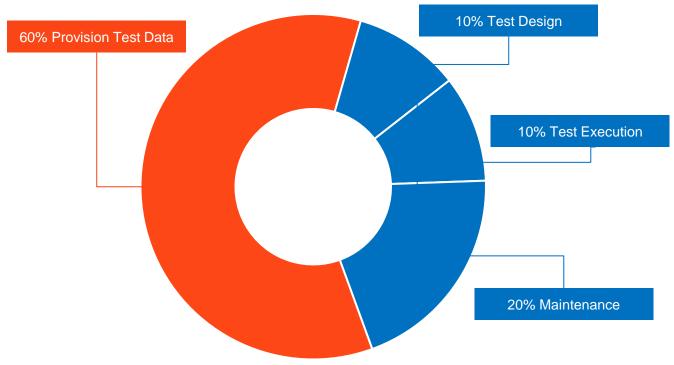
Consuming Data



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

Empower Testers to take over responsibility for Test Data

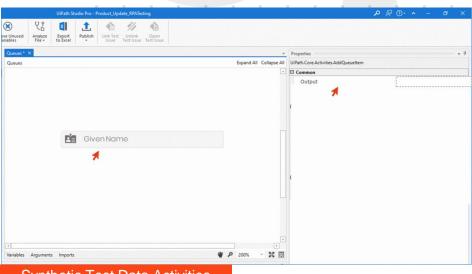


Increase coverage via synthetic test data

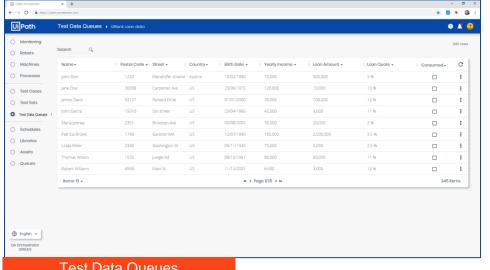


- Create synthetic Test Data in a matter of minutes
- Data is typed and stateful
- Data can be created/used dynamically or prepared in central storage





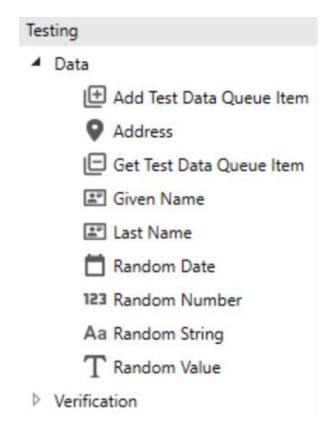
Synthetic Test Data Activities

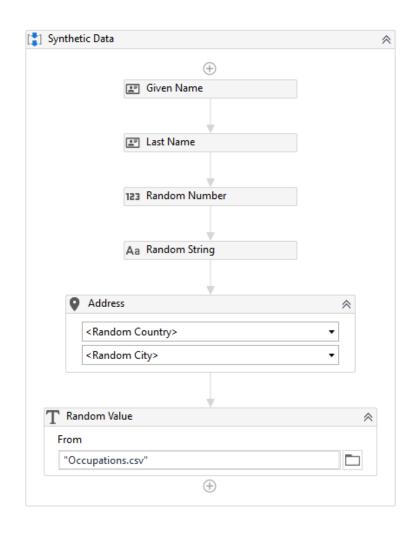


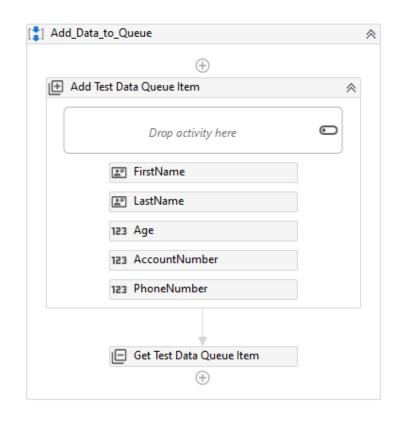
Test Data Queues

Synthetic Test Data

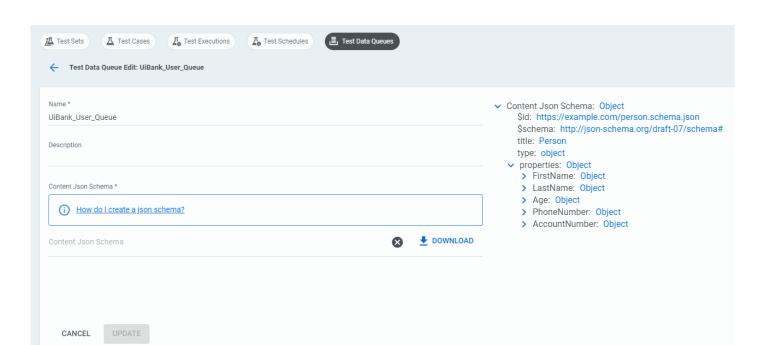


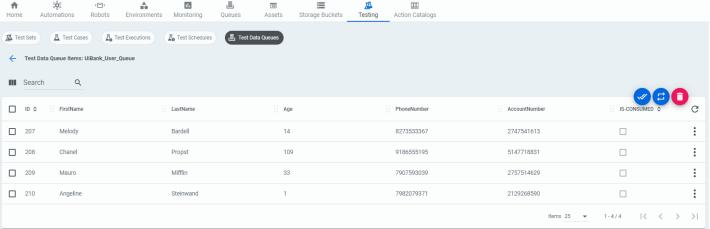






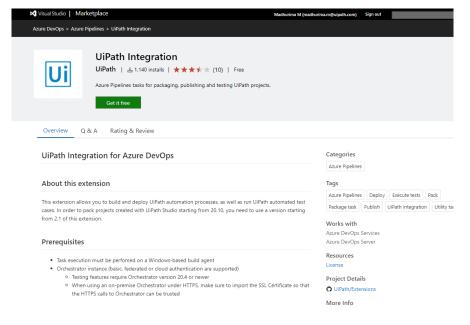
Test Data Queues



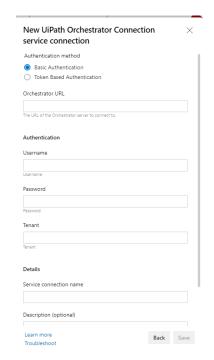


CI/CD: Azure DevOps Plugin

UiPath Integration at Azure DevOps Marketplace

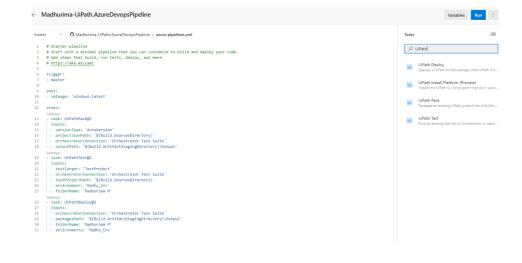


Service Connection – UiPath orchestrator

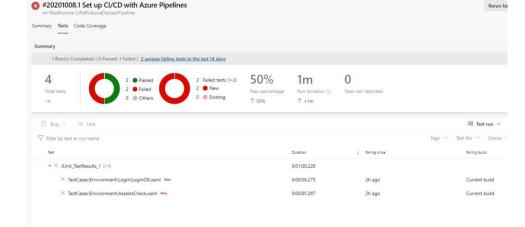


Ui Path Reboot™ Work.

Setup in yaml file



Test Analysis



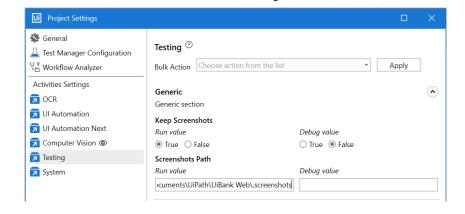
Demo



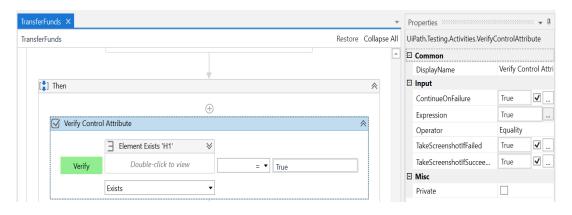


Test Results & Verification Enhancements

Store Screenshots locally

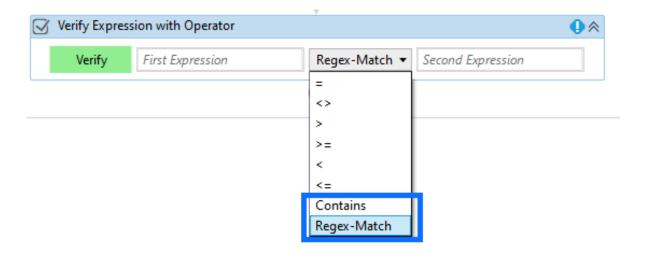


Add Screenshots for passed Activities as well



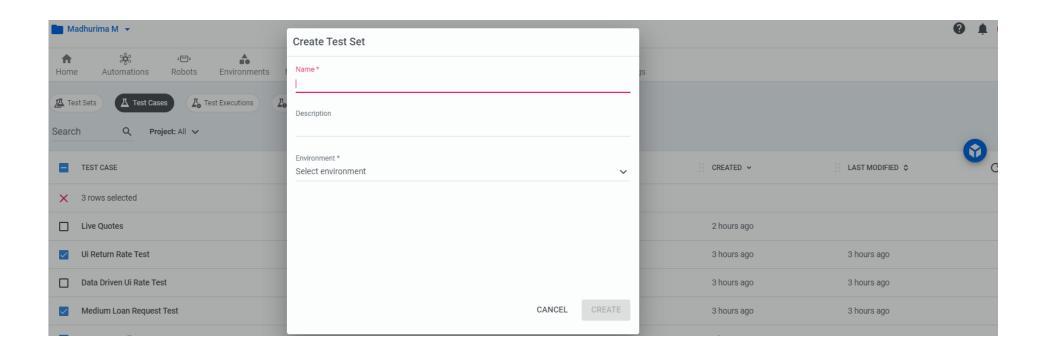


Wildcards within Verifications & Regular Expression



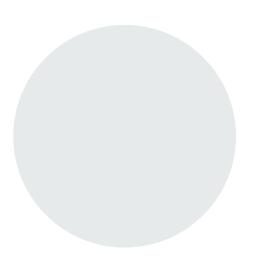
Create Test Set from Test Cases







Test Manager



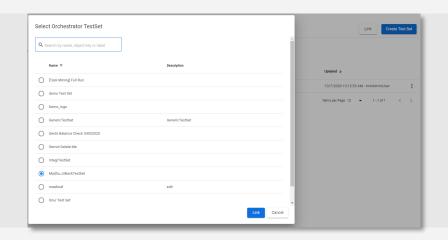








Key Features



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 Creat	e An Account
Basic	Documents	Details
Effort *		10
		10
		20
		30
		30+



Authorization & Rights

Management

We have a process defined in order to authorize the newly added users

in Orchestrator to get access to Test Manager







Key Features

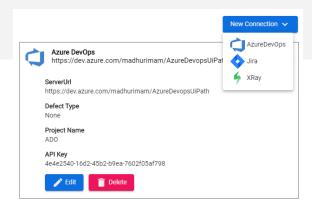
New Dashboard KPIs

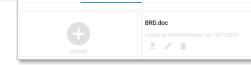
We can see 3 more KPI dashboards available to monitor the projects and the status of it.

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





User should be able to Create An Account

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

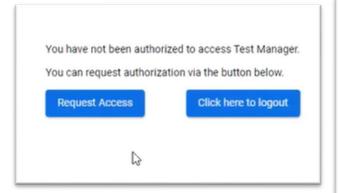
Requirements.jpg

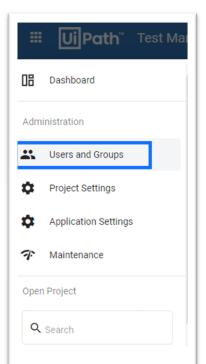
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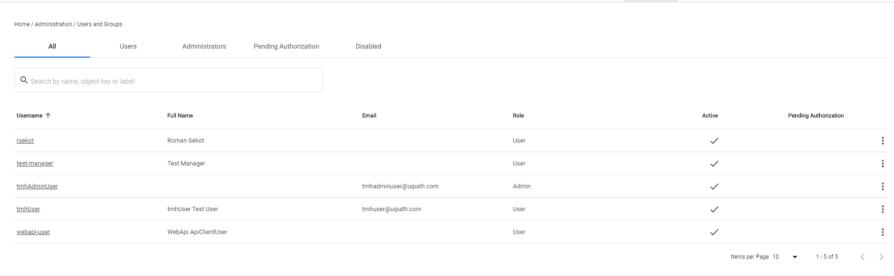


Authorization and Rights Management





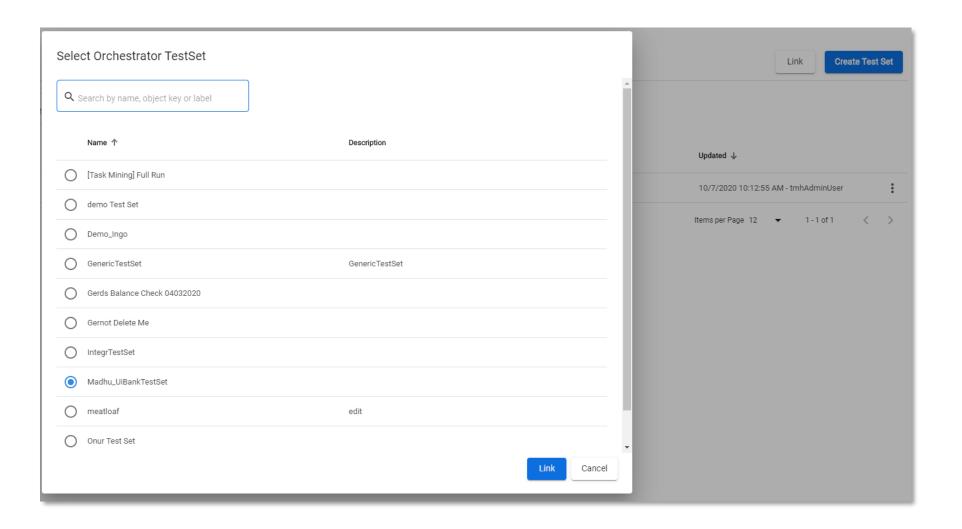






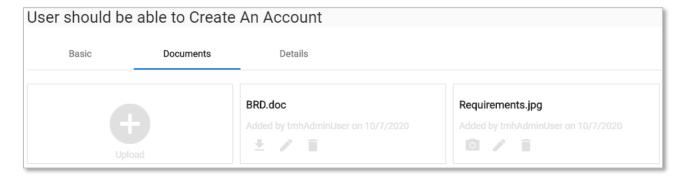
Executing Tests from Test Manager

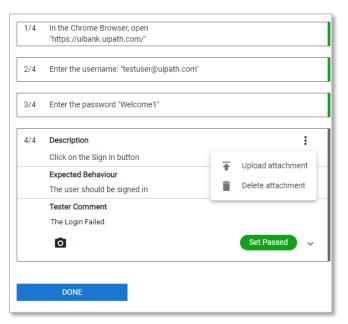


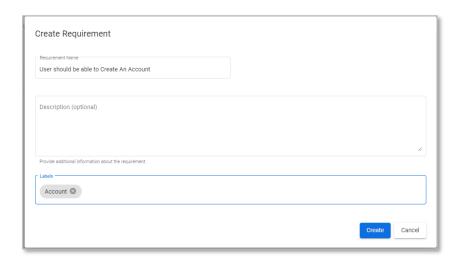


Attachments Support & Filter Search

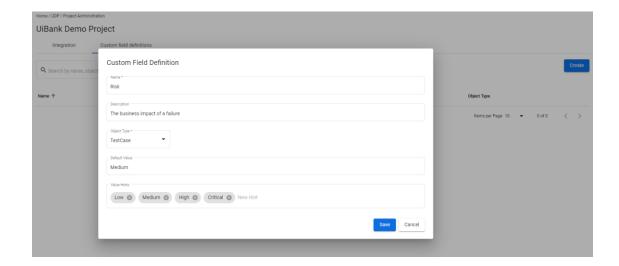








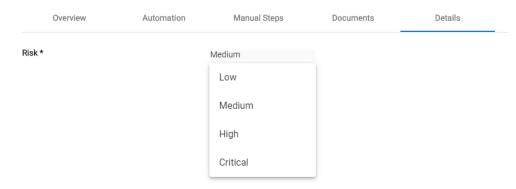
Custom Fields





Home / UDP / Test Cases / UDP:3

User Login with Valid Credentials



Home / UDP / Requirements / UDP:2

User should be able to Create An Account

Effort *

10

10

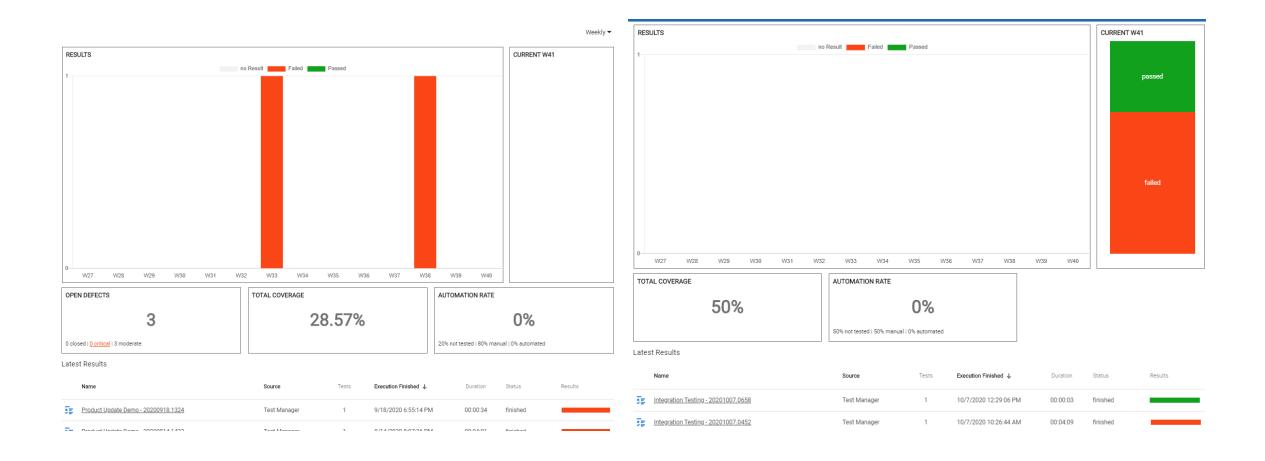
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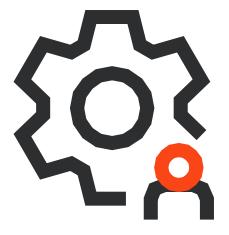
30

30+

Reporting Enhancements

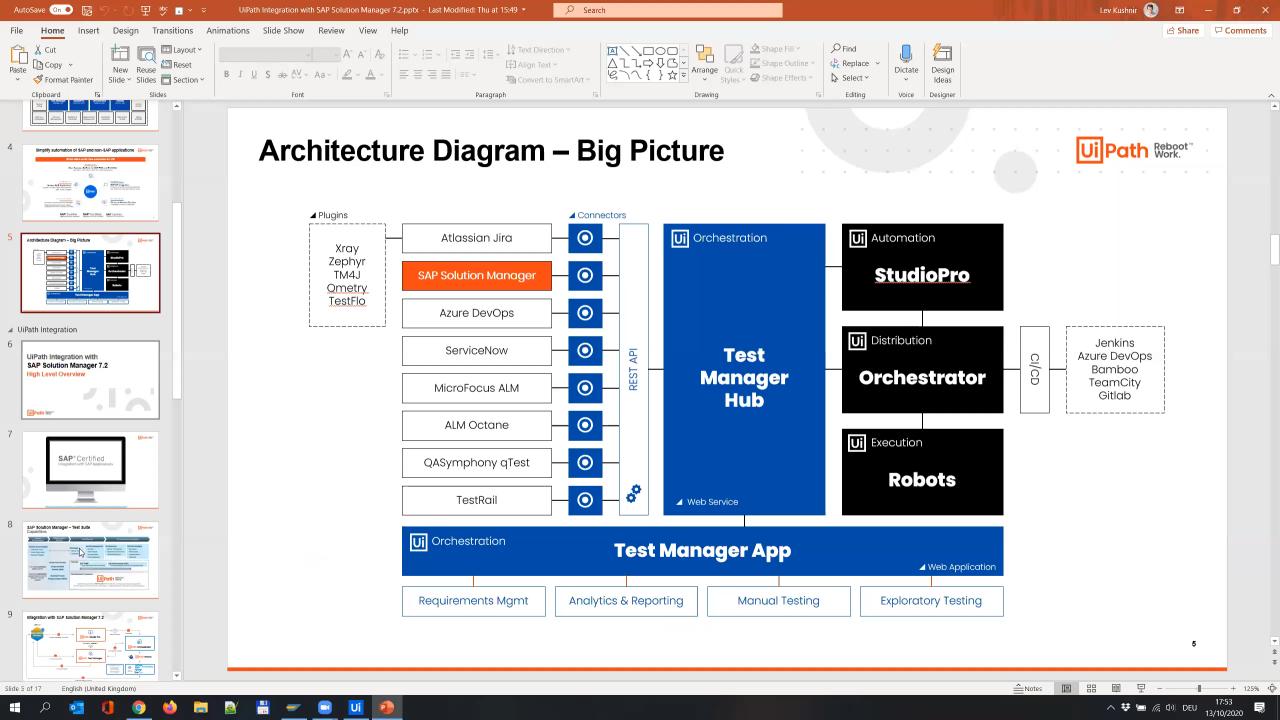






SAP Solution Manager and **SAP Automation**







Mobile Device Automation











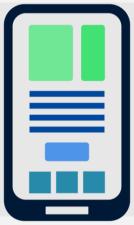
Key Features



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.



9:26 Selection Options (i) No anchor selected. The App Does this element have an anchor (e.g. label)? Choose An Awesome View If so, indicate it to help in identifying the target element. Learn more Echo Box Context aware elements discovery Write something and save to local memory Image selection mode Login Screen A fake login screen for testing Validate

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.

Login



Other **Improvements**



Quick Filters

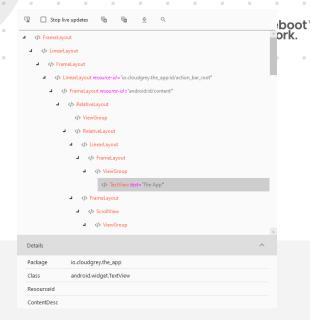
Quickly search & filter your Apps & Devices.









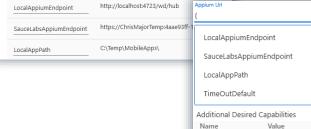


Visual Tree

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

And many Bug-Fixes & Small **Improvements**

Project level settings



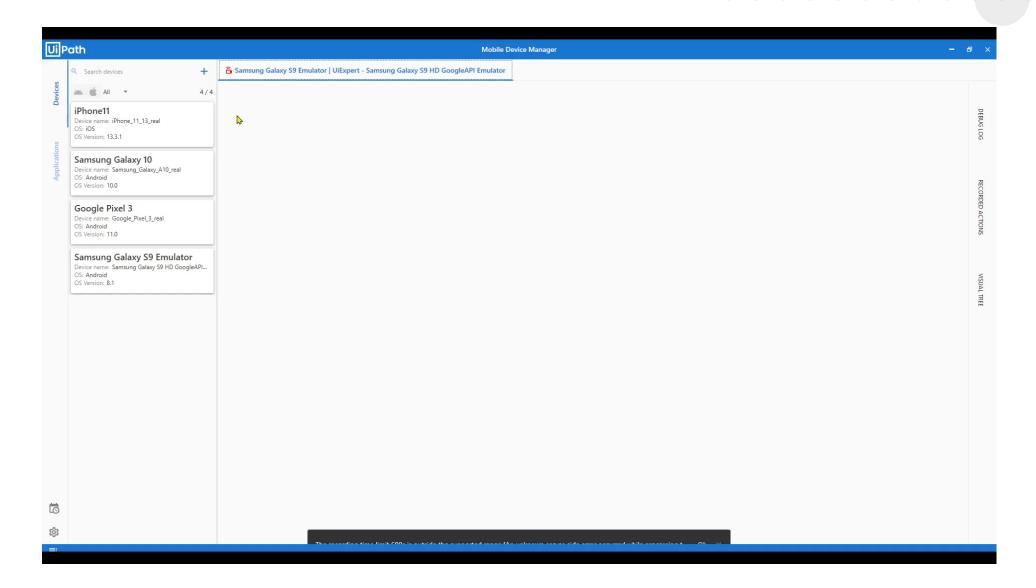
Variables

Variables We increased the UX for configuring Devices & Apps by introducing

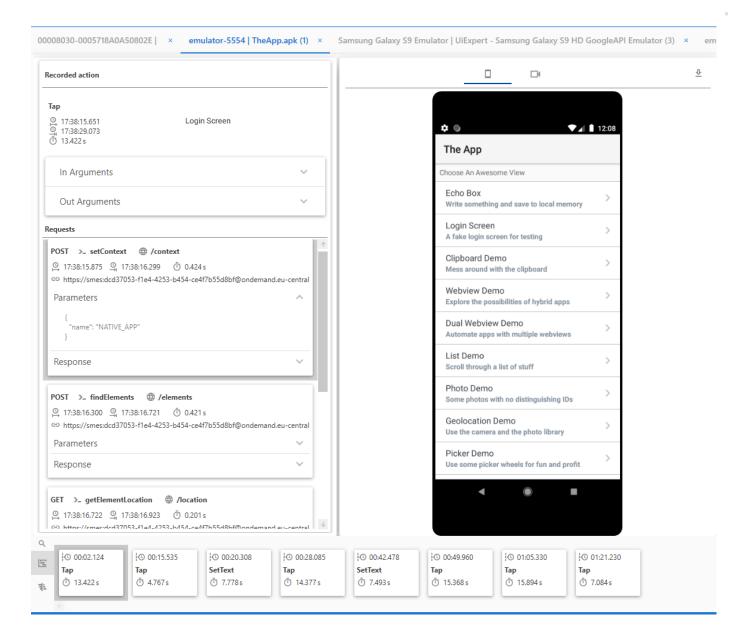
variables, including IntelliSense.

MDM: Device Mirroring





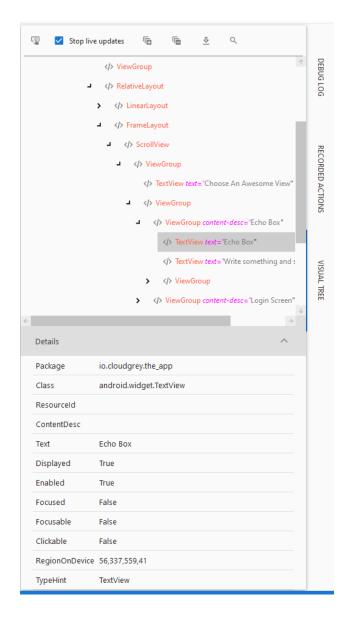
Execution Timeline





Visual Tree & Configuration Settings





Mobile Device Manager

Open Devices

Open Applications

Start an application

Open log

Export Configurations

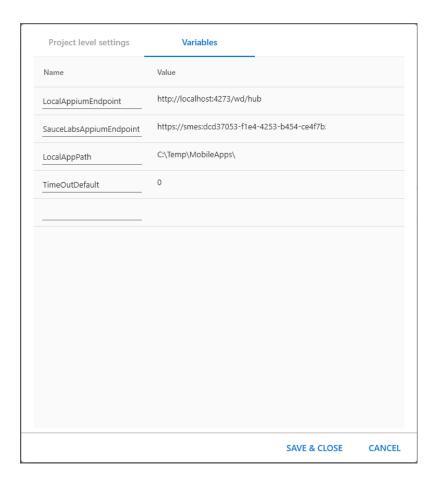
Import Configurations

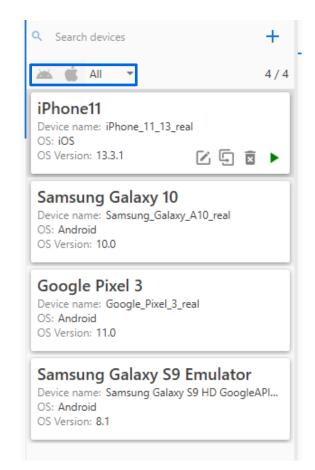
Recent connections:

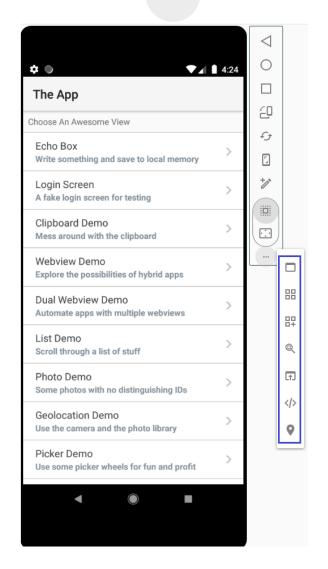
No items to display

Other Improvements: Variables, Filtering









Demo





Q&A UiPath Test Suite





2020.10 Launch Partner Tech Mastermind Sessions



