

# UiPath 2021.4 FTS Release Partner Technical Mastermind AMER & EMEA

Session 6 of 6:  
Cloud Services

**The webinar will start soon!**

12<sup>th</sup> of May 2021



# 21.4 Partner Enablement Plan

[https://www.uipath.com/21.4\\_technicaltraining\\_amer\\_emea](https://www.uipath.com/21.4_technicaltraining_amer_emea)

## 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  
3:00pm GMT

[Register Now →](#)



### AI/ML

Enhance your automations with AI

April 29, 2021  
3:00pm GMT

[Register Now →](#)



### Test Suite

Find out about the latest features on RPA and Software testing

May 4, 2021  
3:00pm GMT

[Register Now →](#)



### Apps, Activities, Connectors

Start deliver engaging experience using UiPath's low code-app builder

May 6, 2021  
3:00pm GMT

[Register Now →](#)



### Process Understanding

AI-powered discovery and prioritization of the most impactful automations

May 11, 2021  
3:00pm GMT

[Register Now →](#)



### Cloud Services

Rapid expansion of the UiPath Automation Cloud(™) capabilities

May 12, 2021  
3:00pm GMT

[Register Now →](#)

# Quick Housekeeping notes

<https://www.uipath.com/partnerportal>

## United by an ambitious purpose

Thank you to our partners for contributing to our combined success.

Read the IPO blog



### Deal Registration

Protect your investment, speed the sales cycle, and coordinate resources with UiPath. View the status and manage your deal registrations, get started today.



### Explore The Automation Platform

UiPath is the automation platform of choice for the enterprise to successfully scale and manage an automation program. The 21.4 release delivers a host of exciting new features and products that extend capabilities.

#### What's New:

- UiPath Platform 21.4 Fast Track Release
- UiPath AI Fabric is now UiPath AI Center - Your control center of AI



### Introducing Role-Based Training!

UiPath now offers our Partners the same training we provide to our own internal teams to sell and deliver the industry-leading UiPath platform. Explore the different roles, partner specific training and get started now!

#### What's New:

- Sales Training – 20.10 Platform Release
- Technical Updates – 20.10 Platform Release

#### Role Based Training:

- Sales
- Presales
- RPA Developers, Architects & Engineers



### News & Announcements

Get your tech teams updated on the NEW platform.

#### UiPath 21.4 Fast-track Support Release Technical Training

Keeping to our commitment of making sure you are technically informed, we are providing an exclusive series of virtual sessions planned over the next few weeks – each covering a specific product of the end-to-end platform for automation.

Click the link below see details on each session and to sign up!

[21.4 Technical Session Deep Dive: APAC & India Regions](#)

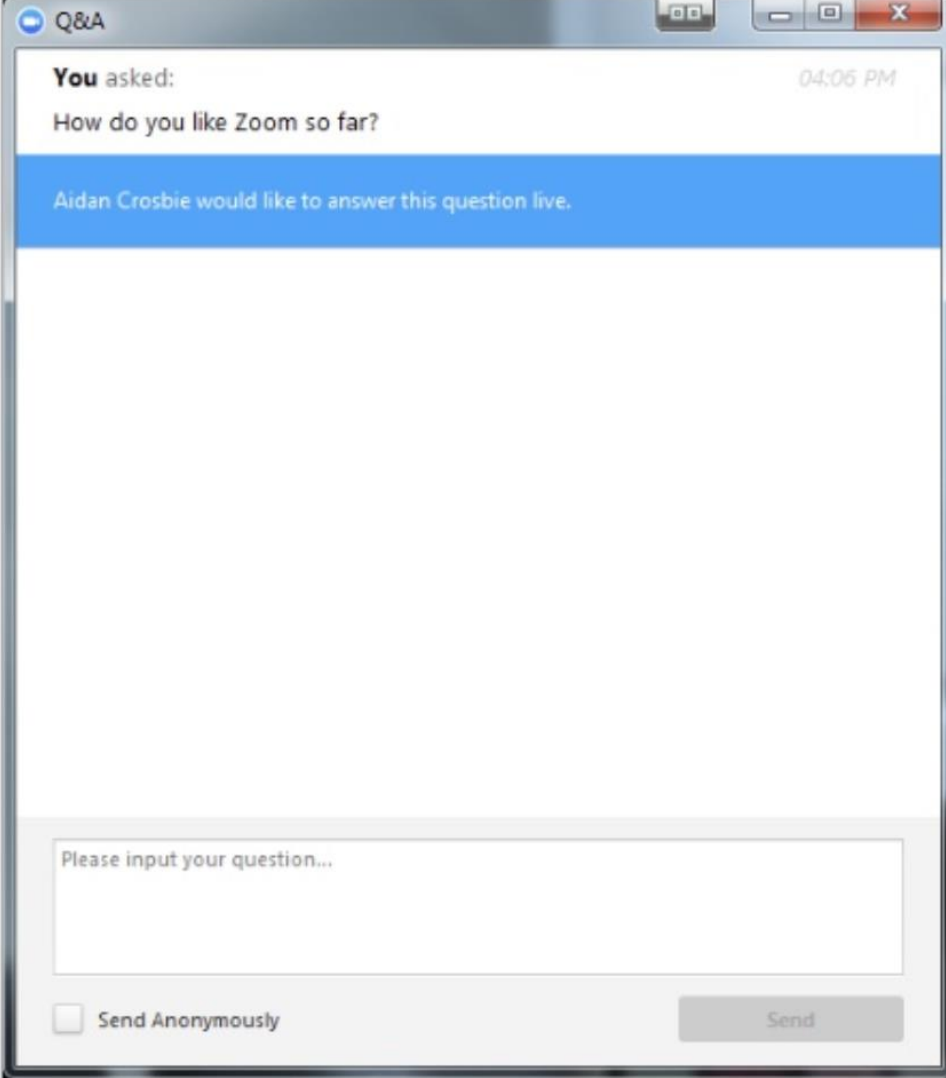
[21.4 Technical Session Deep Dive: AMER & EMEA Regions](#)

# 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 screenshot shows a window titled "Q&A" with standard Windows window controls (minimize, maximize, close). Inside the window, the text "You asked:" is followed by the question "How do you like Zoom so far?" and a timestamp "04:05 PM". Below this, a blue banner states "Aidan Crosbie would like to answer this question live." The main area of the window is empty. At the bottom, there is a text input field with the placeholder "Please input your question...". Below the input field, there is a checkbox labeled "Send Anonymously" and a "Send" button.

# 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



# Become a fully automated enterprise™ with the UiPath Platform



Discover



Build



Manage



Run



Engage

## Task Mining - New

- Analyze your employees' desktop activities using AI to determine best automation opportunities

## Process Mining

- Discovery Accelerators for P2P and O2C
- Root cause analysis
- Automation Hub and Task Capture integration

## Automation Hub

- Automation Store
- Azure AD identity support
- Multi-tenancy

## Task Capture

- Interactive Sign-in
- Togglable detail capture settings

## Studio

- Improvements to Recording capabilities
- Recorder integration with Object Repository
- Enhanced Table Extraction

## StudioX

- Improved support for Office Productivity apps
- Enhanced Table Extraction

## Studio Pro

- Improved Activity Coverage panel,
- Support for reusable mocks
- Workflow Analyzer rules that enforce testing policies

## Doc Understanding

- Data Manager to define custom DU ML models and continuous retraining for improvement over time
- Improved handwriting recognition
- New out-of-the-box models - POs and utility bills in GA, contracts
- Automatic retraining support (coming soon)

## Automation Cloud ★

- Autoscaling Cloud Robot options
- Native Azure AD integration
- Rapidly expanding range of services
- Migration Tool from on-prem Orchestrator

## Orchestrator ★

- Resource sharing across modern folders
- Features and tools to assist modern folder migration at scale

## Automation Ops ★

- Establish and enforce best practices for development and use of automations

## AI Center

- Automatic retraining – cloud only
- ML package import/export across instances – on-prem only
- Disaster recovery – on-prem only
- New cloud instance – US; auto-generated parameters; undeploy inactive ML skills

## Data Service

- Field and record level permissions
- Open API

## Insights ★

- Support for Automation Cloud with Insights Cloud

## Robots

- SaaS delivery of unattended robots in the Automation Cloud

## IT Automation

- Support for AWS WorkSpaces and Windows Virtual Desktop

## Native Integrations

- Tableau
- Workato

## Assistant

- Easier access to UiPath Apps
- Pin automations to the desktop
- Quickly create keyboard shortcuts from the process details section
- Drag-and-drop automations to personal folders
- Custom widget support with governance

## Apps

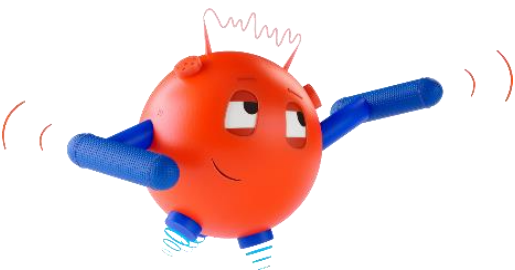
- Easy to use templates for your automation-powered apps
- Move apps between accounts more efficiently

## Action Center

- Azure app service installation support
- More action specific activities, sample templates for REFramework and orchestration process
- Multi-user handling of actions or forward actions with comments
- Action history, ability to add comments, delete invalid actions

## Chatbot

- New UX
- More integrations with UiPath products
- Live chat multi-chat, Amazon Connect integration
- FAQ builder



The 2021 FTS Release - 100s of customer-driven new platform capabilities

# Cloud Services

## 2021.4 Release

Deep Dive Technical  
Webinar - Cloud Services





# Agenda

- 01** Automation Cloud
- 02** Orchestrator
- 03** Licensing Automation Cloud
- 04** Automation Ops
- 05** Insights Cloud
- 06** Q&A





# Automation Cloud 2021.4 Updates

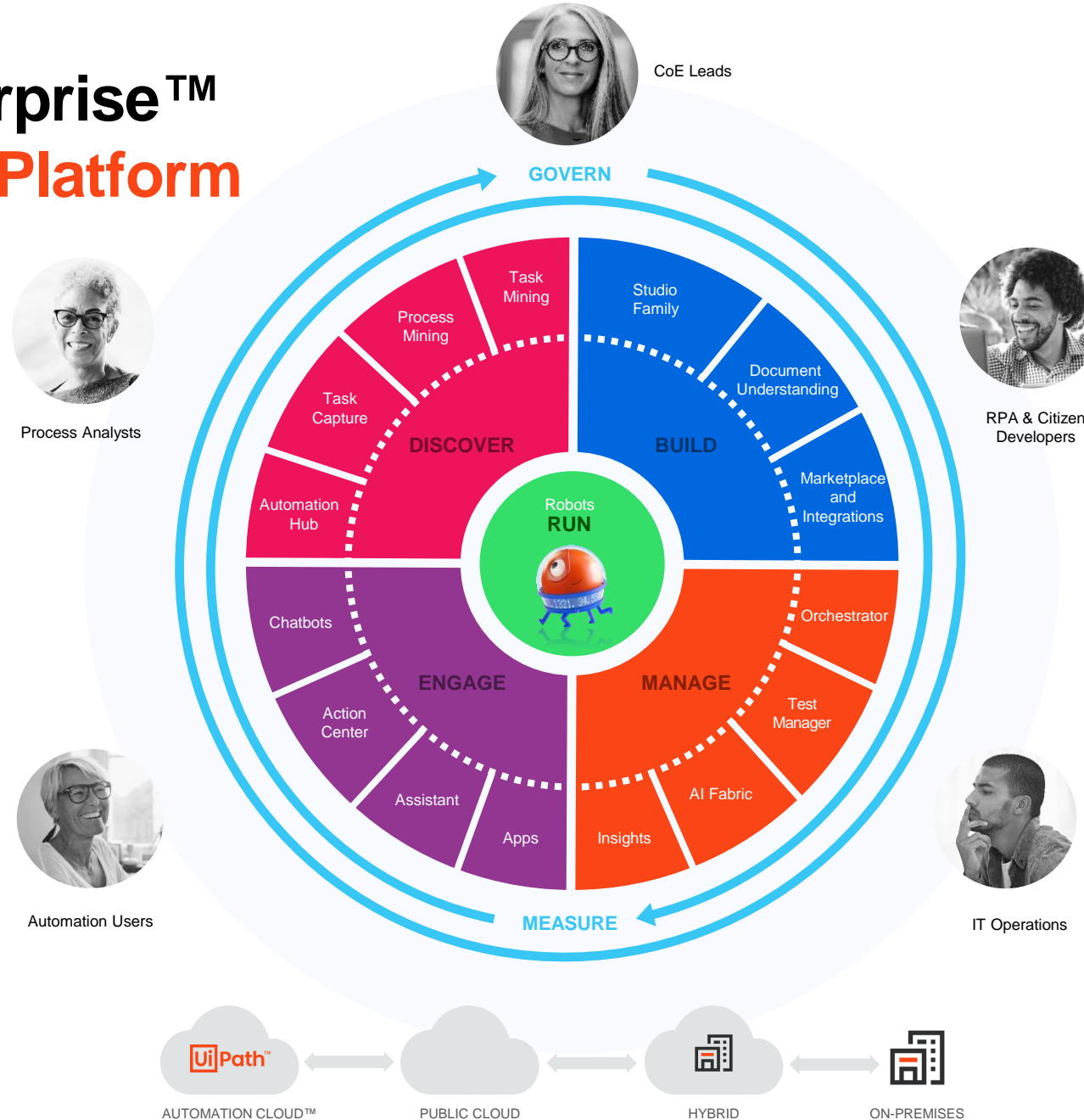
Start instantly, scale infinitely



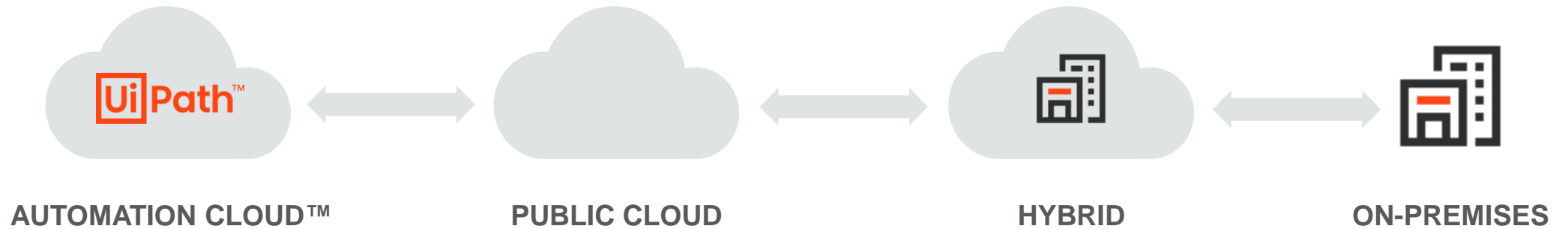
# Agenda

- 01** What is Automation Cloud
- 02** UiPath Portal in Automation Cloud
- 03** Common Services in Automation Cloud
- 04** RPA Services in Automation Cloud
- 05** New in 2021.4 Enterprise Release
- 06** Additional Resources

# Become a fully automated enterprise™ with the **UiPath Platform**



# UiPath Cloud: Get RPA your way



One platform with multiple delivery options—and options to change as your business does

1

Cloud-native SaaS, IaaS/PaaS,  
On-Premises and Hybrid Options

2

Support for multiple public cloud  
provider options

3

Consistent UX and APIs keep your  
future options open and protect  
your RPA investments

# Common Services

## in the Automation Cloud™



Manage



Measure &  
Govern

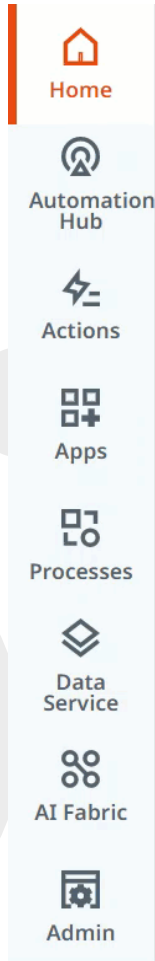
# UiPath Portal in the Automation Cloud™

One place for Automation Cloud RPA services



# UiPath Portal in the Automation Cloud™

One place for Automation Cloud RPA services



- A role-based portal where everyone can access their SaaS services in Automation Cloud
- A web-based centralized management and access portal with full access auditing
- Each user sees only the services they can access





# Automation Cloud™: Tenants and Users

MT

Home

Actions

Apps

Orchestrator

Studio

AI Center

Admin

UiPath™ Administration

Tenants

Users and Groups

External Applications

Licenses

Automation Ops (Preview)

Audit Logs

Organization Settings

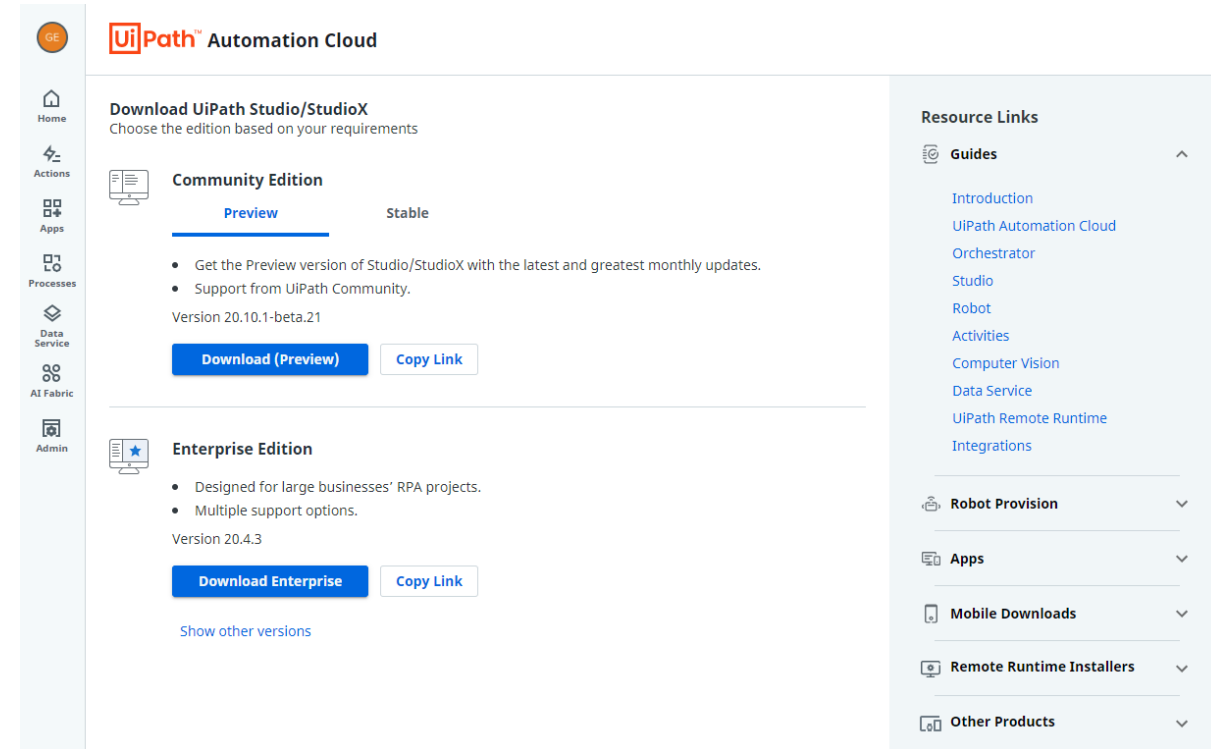
Tenants

Status ▾

Add Tenant Refresh

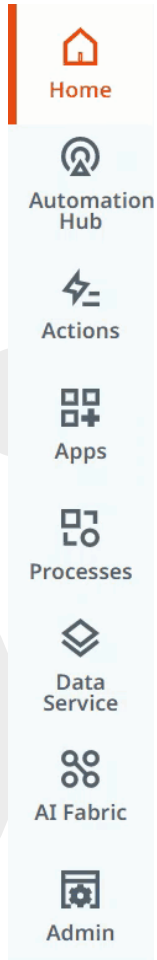
Tenant ▾	Services ▾	Status	
▶ ALittleChili	Orchestrator, Actions, AI Center, Process Launcher	● Enabled	
▶ DMChecks	Orchestrator, Actions, AI Center, Automation Hub, Automation Store, Process Launcher	● Enabled	
▶ OSPackagesDev	Orchestrator, Actions, AI Center, Automation Hub, Data Service, Process Launcher	● Enabled	
▶ permissions	Orchestrator, Actions, AI Center, Automation Hub, Automation Store, Process Launcher	● Enabled	
▶ GSTeam	Orchestrator, Actions, AI Center, Automation Hub, Automation Store, Process Launcher	● Enabled	
▶ paultest	Orchestrator, Actions, AI Center, Automation Hub, Automation Store, Process Launcher	● Enabled	

- Immediate access to the installers for Studio and Robot (and more)
- Options for rapid 3<sup>rd</sup> party cloud Robot deployment
- Mobile downloads
- Resource links

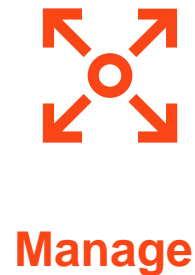


# Automation Cloud™

The fastest path to the fully automated enterprise

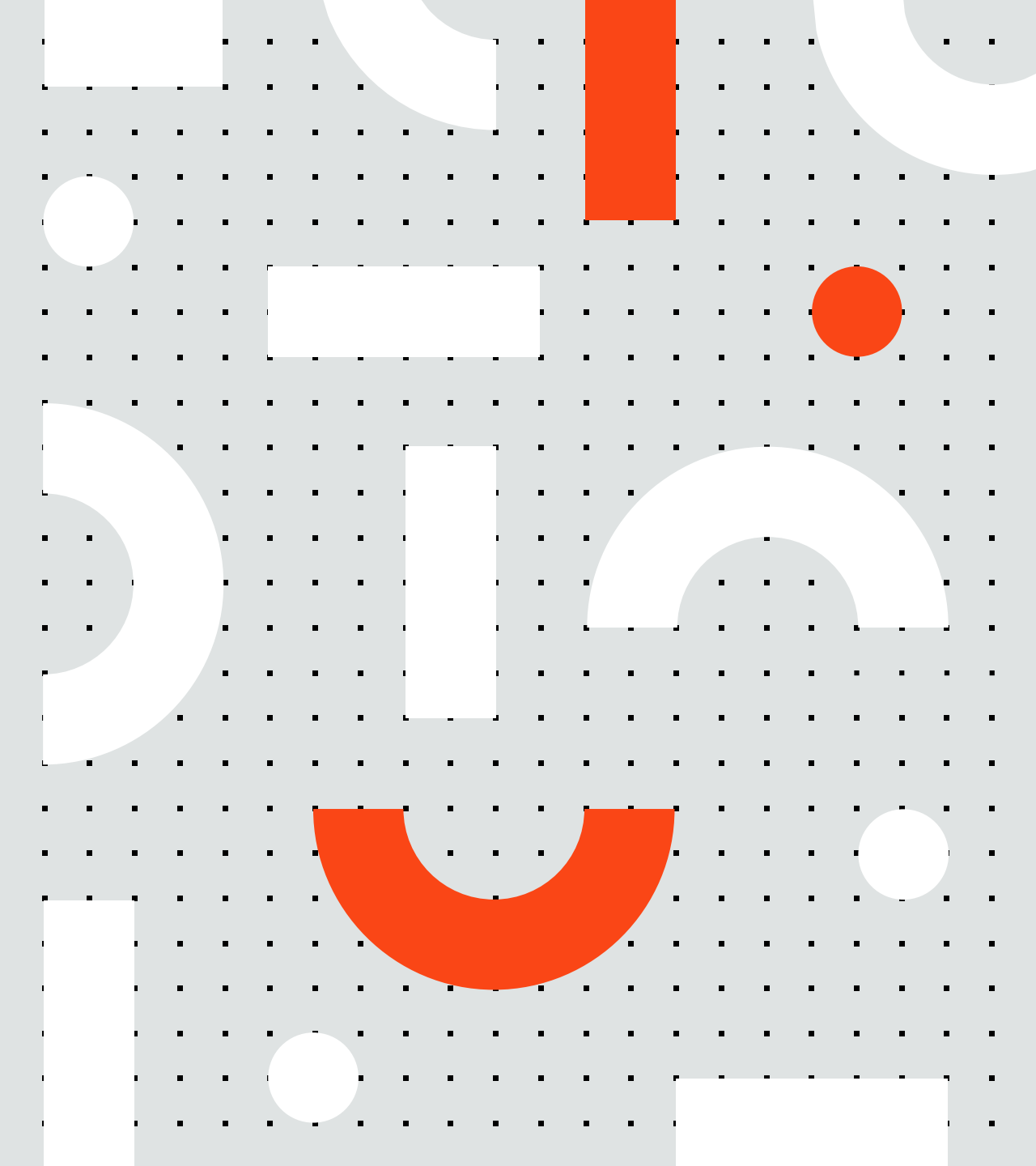


- Quickly deliver an increasing array of UiPath services to create your fully automated enterprise from within the Automation Cloud
- Tenant and user management, single sign-on, security, and the same UiPath Portal are common across all Automation Cloud services





# New in 2021.4 Enterprise Release



# What's new up to 2021.4

- Automation Cloud Migration tool
- Elastic Robotic Orchestration
- Automation Cloud Robots
- Azure AD Integration
- 3<sup>rd</sup> Party OAuth (External Applications)
- Robot Log Export
- Common Platform Services added in Automation Cloud

# Automation Cloud Migration Tool

Customers migrating from On Premise to UiPath Automation Cloud need a simple way to mass-migrate their Orchestrator data (packages, processes, queues, triggers, etc.) & not start over in Cloud from scratch.

We need to provide an **easy, seamless, self-service** way to perform this migration.

We will provide customers with an automated tool that takes an existing On-Premise Orchestrator and replicates its data into the customer's Automation Cloud organization. This enables the customer to move their existing automations and setup to cloud without missing a beat.

# What is it? What does it do?

A **self-service** .exe desktop application.

Leveraging Orchestrator APIs, the customer can:

1. Connect to an On -Premise Orchestrator tenant
2. Export a copy of Orchestrator entities
3. Import them into a Cloud Orchestrator tenant

➤ No code, command line, or developer experience required to run the tool.

- No downtime or disruption to On Premise tenant
- Support for Orchestrator v19.10+ (Preview)
- Can be used against an Automation Cloud EnterpriseTrial or Enterprise account
- Migrates data for Classic & Modern Folders
- Scope does not include historic data such as job logs or processed transactions



# Home Screen

Automation Cloud Migration Tool



## Automation Cloud Migration Tool

Choose an activation method to continue

<p>Connect to On Premise</p> <p>Export Data</p>	<p>Connect to Cloud</p> <p>Import Data</p>
---	--

Version 21.2.1-4

# On Premise Logic

Automation Cloud Migration Tool

## Connect to On Premise Orchestrator

Please fill the information below

Orchestrator URL

Tenant Name

Username

Password

Start Export

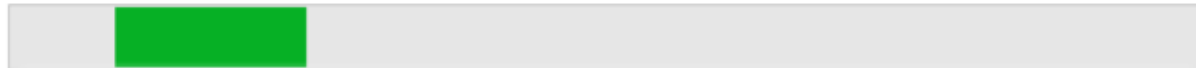
Back

# On Premise Export Load Screen

Automation Cloud Migration Tool

## Exporting Data from On Premise Orchestrator

Exporting your entities from on premise...



# On Premise Export Summary

Automation Cloud Migration Tool



## Successfully Exported On Premise Data

Below is the export summary, the exported data can be accessed in the tool directory.

206 Total Entities Exported

23 Packages

37 Libraries

10 Calendars

37 Folders

21 Machines

16 Environments

21 Robots

5 Triggers

10 Assets

16 Processes

10 Queues

Home

Open File

# Cloud Login

Automation Cloud Migration Tool

## Connect to Automation Cloud

[Where can I find this information?](#)

User Key

Account Logical Name

Tenant Name

Client ID

Start Import

Back

# API Access Information

The screenshot displays the UiPath Automation Cloud Admin console. The left sidebar contains navigation links: Home, Users and Groups, External Applications (Preview), Licenses, Audit Logs, Organization Settings, Insights, Data Service, AI Center, and Admin (highlighted). The main content area is titled 'Tenants' and includes a search bar and a table of tenants. A modal dialog titled 'API Access' is open in the center, displaying a deprecation warning and fields for connecting via API.

**API Access**

⚠ This functionality will be deprecated in version 21.10. Please use the new OAuth feature to register 3rd party applications. [View](#)

**Connect via Api**

User Key  
KFIashNXFh0J8ulnttGHHdpB\_3F\_1rK3-HnnRPim30zCO

Account Logical Name  
uipatmixrrfm

Tenant Name  
GS\_Team

Client Id  
ADLqfy4M6cRUaEL6XOxiKpMqyPvjTuUi

**Revoke Access**

In rare instances you may need to revoke API Access for security purposes. In the event that any api token has been compromised, select "Revoke Access" below to permanently disable all previously issued API refresh tokens.

[REVOKE ACCESS](#)

**OK**

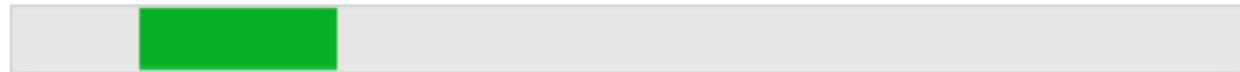
Tenant	Status
UiPathDefault	Enabled
GS_Team	Enabled

# Cloud Import Load Screen

Automation Cloud Migration Tool

## Importing Data to Cloud

Importing entities to cloud...





# Cloud Import Summary

Automation Cloud Migration Tool



## Import Summary

Successfully imported data to Automation Cloud. Below is the import summary.

206 Total Entities Attempted  
202 Imported  
4 Not Imported

202 Imported  
23 Packages  
37 Libraries  
10 Calendars  
37 Folders  
21 Machines  
16 Environments  
21 Robots  
3 Triggers  
8 Assets  
16 Processes

[View Report](#)

Done

Automation Cloud Migration Tool



## Import Summary

Successfully imported data to Automation Cloud. Below is the import summary.

21 Machines  
16 Environments  
21 Robots  
3 Triggers  
8 Assets  
16 Processes  
10 Queues

1 Warnings  
1 warning for Settings

4 Errors  
2 errors for Triggers  
2 errors for Assets

[View Report](#)

Done

# Import Report file, detailed

```
Total Entities Attempted 206
Total Entities Imported 202

Detail
Success 202
Failed 4

23 Packages
37 Libraries
10 Calendars
37 Folders
21 Machines
16 Environments
21 Robots
3 Triggers
8 Assets
16 Processes
10 Queues

1 Warnings
1 warning for Settings
Unable to modify irreversible setting Features.ModernFolders.Enabled

4 Errors
2 errors for Triggers
[Default] {"message":"A calendar cannot be selected when trigger timezone is different
than tenant timezone.","errorCode":1603,"resourceIds":null}
[Default] {"message":"A calendar cannot be selected when trigger timezone is different
than tenant timezone.","errorCode":1603,"resourceIds":null}
2 errors for Assets
Asset Sample1Credential is not supported and will be skipped
Asset Sample1CredentialWithRobot is not supported and will be skipped
```

# Elastic Robot Orchestration

Elastic Robot Orchestration offers an easy way for Automation Cloud Orchestrator customers to provision, scale and optimize unattended robots in their own public clouds.

## Why it is required

It is designed to lower your cloud costs through more efficient use of VM's by only provisioning and starting robots when there is work for them to do – and stopping them when there isn't. Elastic Robot Orchestration is also designed to automate more of the maintenance overhead associated with running robots by keeping robots in those VM's up to date.

# Features in brief

- ❖ In public preview, Elastic Robot Orchestration works with Microsoft Azure and AWS. We plan to support Google Cloud soon after launch. Elastic Robot Orchestration will be delivered as a new feature (and new value!) in the Automation Cloud Orchestrator, with no additional licensing required. It will manage as many cloud-orchestrated unattended robots as you ask it to, up to the number your tenant is licensed for.
- ❖ Elastic Robot Orchestration is an additional option at no additional cost, but unless you configure and implement it, your cloud-orchestrated unattended Robots will happily continue working exactly as before.
- ❖ Supports Unattended Automation by scaling up robots

# Pre-requisites

If you run Automation Cloud today, you probably already have these 2 pre-requisites:

- Orchestrator in the Automation Cloud
- One or more cloud-orchestrated Unattended Robot licenses

Additionally, you will need:

- A Microsoft Azure or AWS tenant (Google Cloud options will be available later) where the Unattended Robot(s) will run
- An image that will we use to create VM's at runtime on your cloud.
- Details are in the full documentation [here](#)

# Elastic Robot Orchestration



# Automation Cloud Robots

Cloud Robots will make it possible to combine the simplicity of cloud deployment with the power of the UiPath RPA platform. With Cloud Robots, IT administrators can configure the parameters for scaling their RPA deployment without having to manage a single robot machine

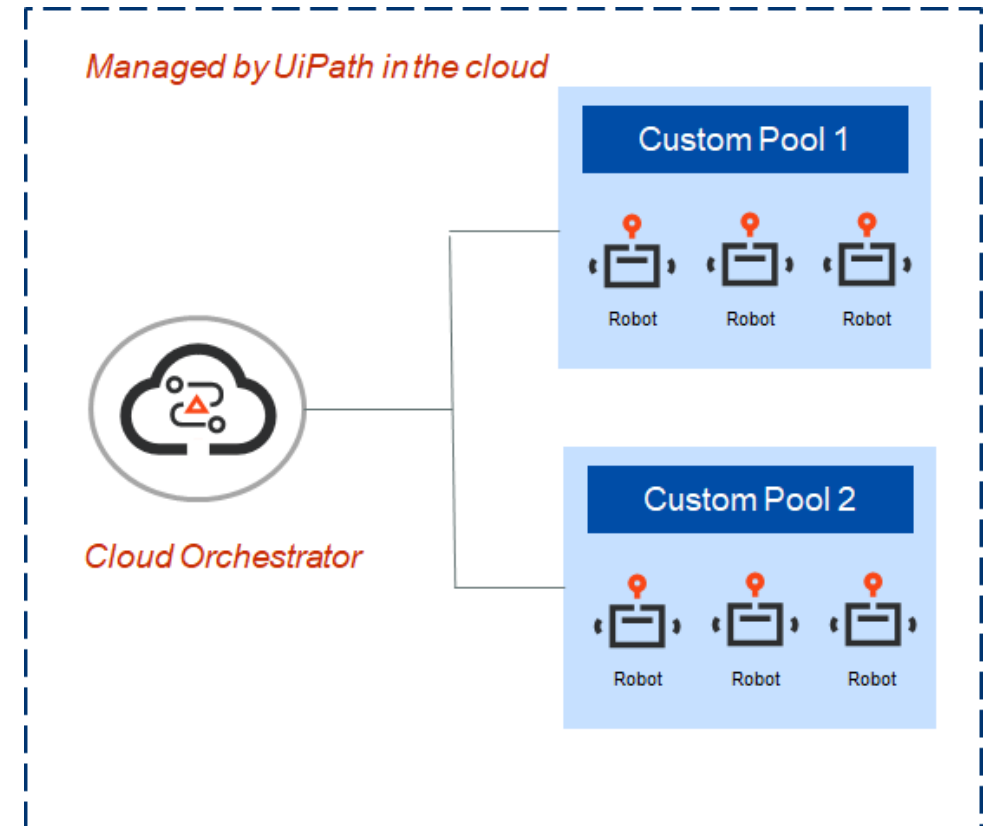
## Useful Customer Scenarios:

- Manage Robots in UiPath Cloud
  - Scale up robots on-demand
  - Schedule an Automation to run in cloud



# Manage Robots in the UiPath Cloud

- Robots are hosted, managed and maintained by UiPath in the cloud
- Customer specifies type of machine required for every automation process
- Automations can use standard machine images supplied by UiPath or custom machine images defined by the customer
- Robot connects to UiPath Cloud Orchestrator in the same cloud





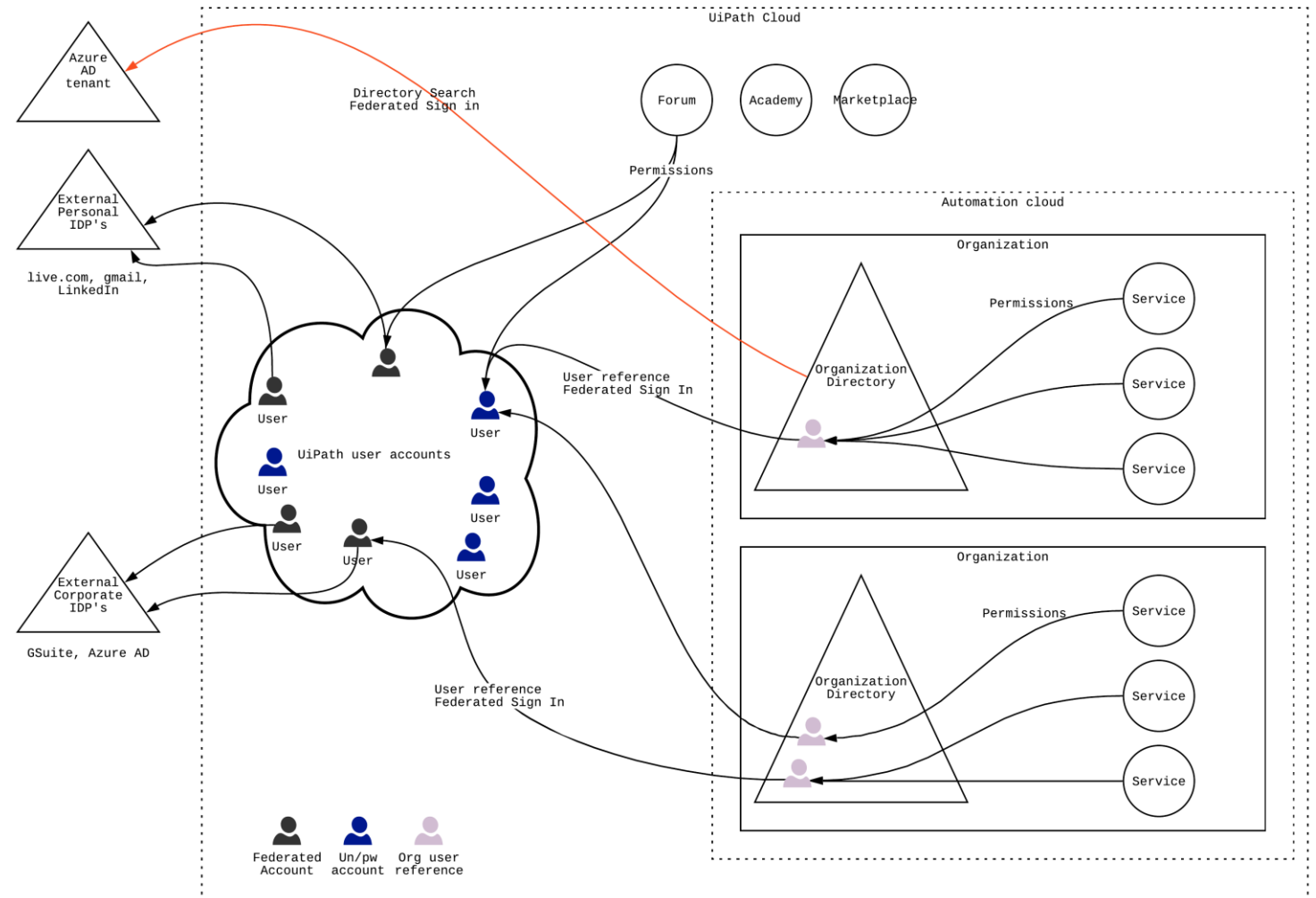
**DEMO TIME**

**Let's see it in action**



# Azure AD Integration

Enables customers to connect their Automation Cloud organization to their Azure AD tenant directory.



# Azure AD Connection

## Users and Groups

Users

Groups

Authentication Settings

- ☒ Allow any user to be invited to this organization.
- ☐ Enforce Sign In with Google
- ☐ Enforce Sign In with Microsoft
- ☐ Enable enterprise SSO with Microsoft Azure Active Directory

Save

## Users and Groups

Azure Connected

Users

Groups

Authentication Settings

- ☐ Allow any user to be invited to this organization.
- ☐ Enforce Sign In with Google
- ☐ Enforce Sign In with Microsoft
- ☒ Enable enterprise SSO with Microsoft Azure Active Directory

Tenant ID

Application ID

Application Secret

- ☒ I understand & accept invited users and Azure AD users with matching email addresses will have their accounts linked [?](#)

[Test Connection](#)

Save

# Market Opportunity

Organizations using Azure AD or Office 365 and wish to scale and govern user and access management in Automation Cloud.



## Key customer benefits

1

Automatic user onboarding with seamless migration

2

Simplified sign-in experience

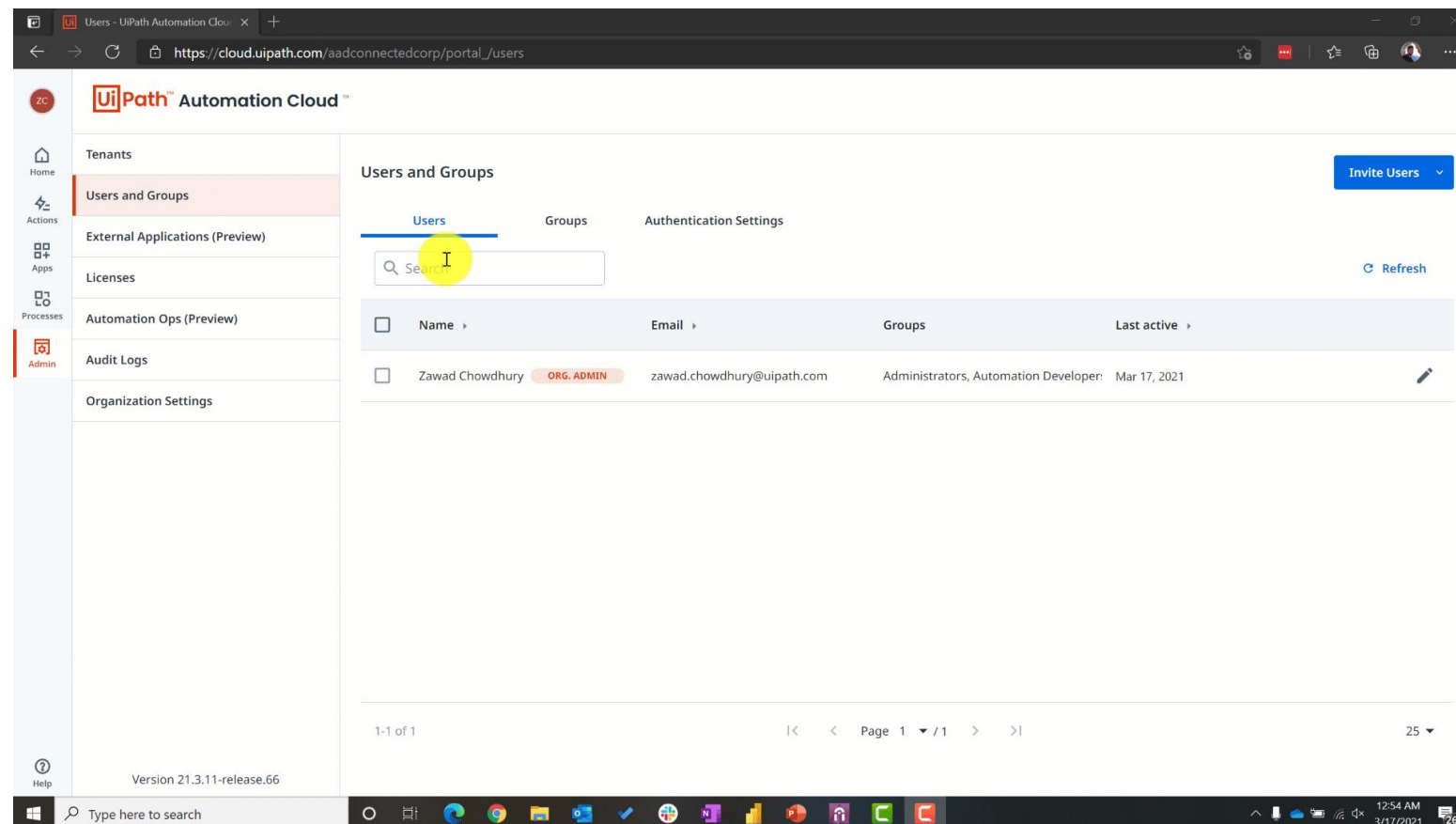
3

Scale governance and access management with existing Azure AD groups

# Automatic user onboarding with seamless migration

## Customer Benefits

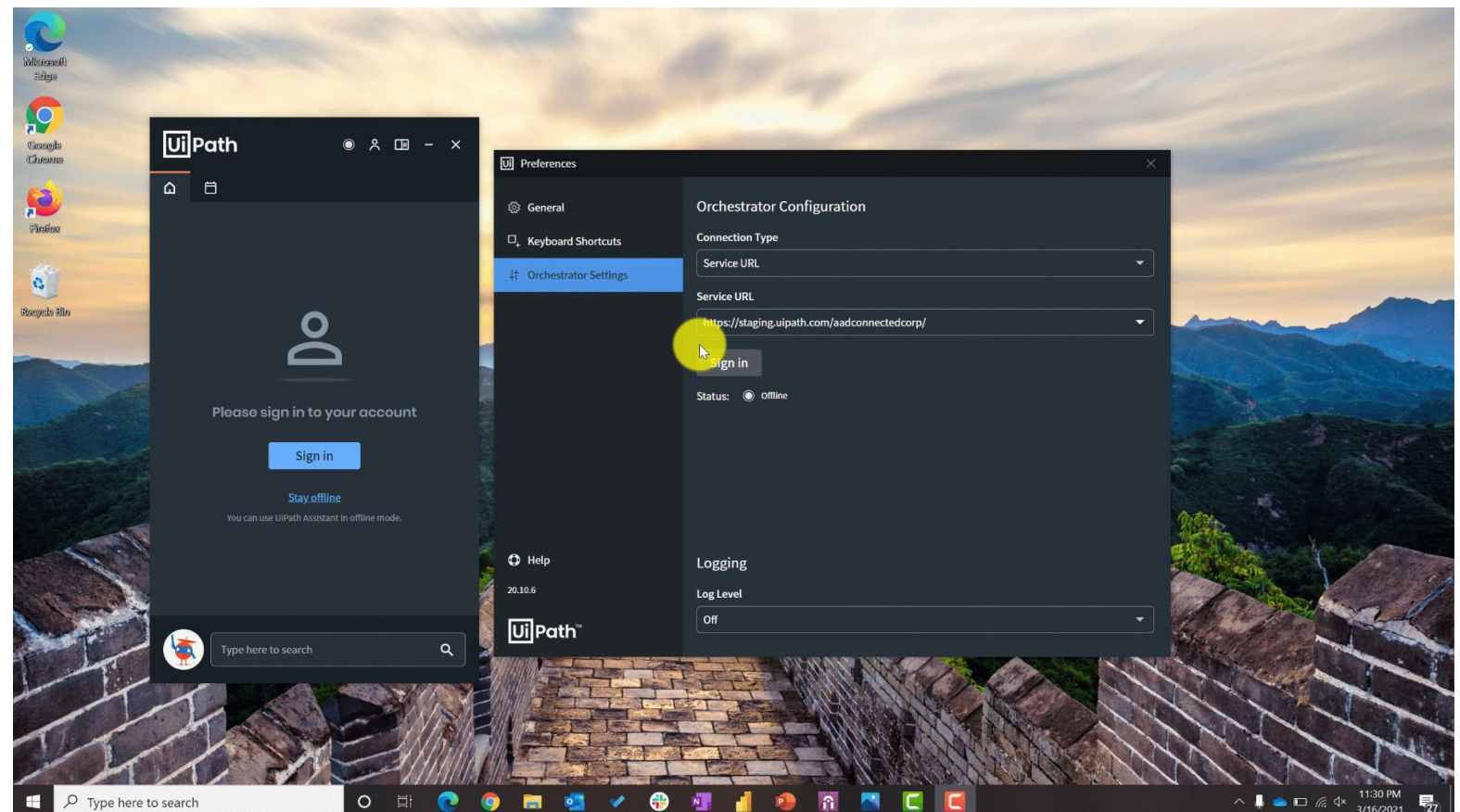
- All users and groups from Azure AD are readily available for any Automation Cloud service to assign permissions.
- Single Sign-On for users whose corporate username differs from their email address.
- All existing users with UiPath user accounts retain their permissions on their connected Azure AD account.



# Simplified sign-in experience

## Customer Benefits

- Users do not have to accept an invitation or create a UiPath user account to access Automation Cloud services.
- UiPath Assistant and Studio versions 20.10.3 and higher can be preconfigured to use a custom Orchestrator URL, which leads to the same seamless connection experience.





# 3<sup>rd</sup> Party OAuth – External Applications

## Problem

Limited, controllable access to UiPath resources for external applications.

## Solution

OAuth 2.0 – the industry standard for authorizing requests coming from 3<sup>rd</sup> party applications.

Build upon support offered by Identity Server to integrate OAuth in our offering.

## New feature

Ability to register external applications to benefit from authorization via the OAuth flow.

Feature available both in the cloud and on-prem.

# Key Concepts

## Application Type

- Confidential Application
- Non-confidential Application

## Scope Type

- User Scope
- Application Scope

## Personas

- Organization Admin
  - Manages application registrations
- Application Developer
  - Implements the appropriate grant types

# Managing External Applications

A

Home

Apps

Admin

UiPath™ Automation Cloud™

Tenants

Users and Groups

External Applications (Preview)

Licenses

Audit Logs

Organization Settings

External Applications (Preview)

All 3rd party applications registered for the OAuth flow

Search

Name ▶

DemoApp1

DemoApp2

External Applications (Preview)

Add Application

Application Name

DemoApp3

Application Type

☒ Confidential application ☐ Non-Confidential application

Resources

Sections are used to restrict functionalities or set default values in different areas of the product.

Name	User Scope(s)	Application Scope(s)
------	---------------	----------------------

Add Scopes

Redirect URL

URL where the authentication response will be returned

Registering a new application implicitly consents access to the selected resources on behalf of all users.

# Managing External Applications

## Edit Resource

### Resource

Orchestrator API Access

### User Scope(s)

### Application Scope

Search

- ☒ OR.Webhooks.Read  
Webhooks read access in Orchestrator
- ☐ OR.Webhooks.Write  
Webhooks write access in Orchestrator
- ☐ OR.Monitoring  
Monitoring read and write access in Orchestrator
- ☐ OR.Monitoring.Read  
Monitoring read access in Orchestrator
- ☐ OR.Monitoring.Write  
Monitoring write access in Orchestrator
- ☐ OR.ML  
ML read and write access in Orchestrator
- ☒ OR.ML.Read  
ML read access in Orchestrator
- ☐ OR.ML.Write  
ML write access in Orchestrator

## ✓ Application Successfully Added!

Below is the App ID and App Secret. Please store it in a safe place.

App ID: 726899c7-69bc-4857-aca7-92cdce75e85f

App Secret: \_WW?iZubuLzrD0sz

Close





**DEMO TIME**

**Let's see it in action**

# Robot Logs Export

For On-Prem Orchestrator, we allow customers to store logs per orchestrator via nlog to any target of their choice.

In Automation Cloud Robot Log Export features provides the option to export logs per tenant to Azure Cloud Storage or AWS or GCS

The screenshot displays the 'Log Export Configuration' interface for the 'GS\_Team' tenant. At the top, the tenant name 'GS\_Team' is shown with a dropdown arrow, followed by a green status indicator and the text 'Enabled'. To the right are icons for a bar chart, a calendar, and a menu. Below this is a table with three rows: 'Orchestrator', 'Actions', and 'AI Center'. Each row has a user icon and a refresh icon on the right. A dark tooltip labeled 'Log Export Configuration' is visible over the 'Actions' row.

	Orchestrator	Actions	AI Center



# Configuring Robot Logs Export

The export is done on a per-tenant basis which facilitates the following:

- Storing logs that must be retained for compliance and audit purposes.
- Analyzing and visualizing log output in your own reporting or BI tools.

## Configuration

### Robot Logs Export

☒ Send robot logs to custom storage

### Storage Type

Azure Storage Account  
AWS S3  
Google Cloud Storage

Save

Cancel

## Configuration

### Robot Logs Export

☒ Send robot logs to custom storage

### Storage Type

Azure Storage Account

### Azure Connection String

.....

### Container Name

robotlogs

If empty, container name will be "uipathrobotlogs"

Save

Cancel

# Logs Exported to Azure Storage Account

Microsoft Azure Search resources, services, and docs (G+/)

Home > robotlogstorage >

uipathrobotlogsdemo Container

Search (Ctrl+/) Upload Change access level Refresh Delete Change tier Acquire lease Break lease View snapshots Create snapshot

Authentication method: Access key (Switch to Azure AD User Account)  
Location: uipathrobotlogsdemo / 27d6705b-ec44-4f0b-965e-6137696655d2 / 2021 / 04 / 06 / 20 / output

Search blobs by prefix (case-sensitive) Show deleted blobs

Name	Modified	Access tier	Blob type	Size	Lease state
[...]					
RobotLogs.csv	4/7/2021, 3:02:02 AM	Hot (Inferred)	Block blob	36.67 KiB	Available

level	logger	user	levelOrdinal	timeStamp	Source	tenantId	organizationId	message	logType	fingerprint	windowsId	machineName	processName	processVersion	jobId	robotName	machineId	fileName	indexName	transactionId	totalExecutionTime	rawMessage	tenantKey	userKey	transactionId	transactionId	transactionId
Info	Robot.ten	16078	2	11/17/202	Robot	1126	1126	BasicUIVa	Default	19117a7f-clchristestclchristest	BasicUIVa	1.0.30	40cbef56-	adsa	8469	Main	christestciqv02038										
Error	Robot.ten	16078	4	11/17/202	Robot	1126	1126	Click	Default	aa03529b-clchristestclchristest	BasicUIVa	1.0.30	40cbef56-	adsa	8469	Main	christestciqv02038										
Info	Robot.ten	16078	2	11/17/202	Robot	1126	1126	BasicUIVa	Default	44ada627-clchristestclchristest	BasicUIVa	1.0.30	40cbef56-	adsa	8469	Main	christestciqv02038	58									
Info	Robot.ten	16078	2	11/17/202	Robot	1126	1126	BasicUIVa	Default	643f1606-clchristestclchristest	BasicUIVa	1.0.30	5f3fe8c8-	adsa	8469	Main	christestciqv02038										
Error	Robot.ten	16078	4	11/17/202	Robot	1126	1126	Click	Default	084363a4-clchristestclchristest	BasicUIVa	1.0.30	5f3fe8c8-	adsa	8469	Main	christestciqv02038										
Info	Robot.ten	16078	2	11/17/202	Robot	1126	1126	BasicUIVa	Default	69a88a3d-clchristestclchristest	BasicUIVa	1.0.30	5f3fe8c8-	adsa	8469	Main	christestciqv02038	60									
Info	Robot.ten	16078	2	11/17/202	Robot	1126	1126	BasicUIVa	Default	40049ba5-clchristestclchristest	BasicUIVa	1.0.30	7dd43e15-	adsa	8469	Main	christestciqv02038										

- Users with Administrator privileges can carry out the log export operation.
- The log export feature is only available for Enterprise and Trial accounts.





**DEMO TIME**

**Let's see it in action**

# Common Platform Services

Common Platform Services available on UiPath Automation Cloud

- Automation Hub
- Apps
- AI Center
- Automation Ops★
- Actions★
- Cloud Insights★
- Data Services
- Processes

★ GA from 2021.4 Enterprise Readiness

# Regional Hosting

## Supported Enterprise Geographies

- Europe
  - United States
  - Japan
  - Australia
  - Canada
- Community customer data is hosted in Europe



# Licensing Model



Orchestrator in the Automation Cloud is licensed through cloud-orchestrated robot and Studio licenses



Cloud-orchestrated robots and studio licenses are typically ~25% more than on-prem. Pay only as you add capacity



No minimums. Get Orchestrator in the Automation Cloud from your first cloud-orchestrated robot or Studio



Additional automation cloud services have different licensing models based on the nature of the specific service



# Orchestrator 2021.4 Updates



# Agenda

- 01** Orchestrator Overview
- 02** Messaging Pillars
- 03** New in 2021.4 Enterprise Release
- 04** Pricing

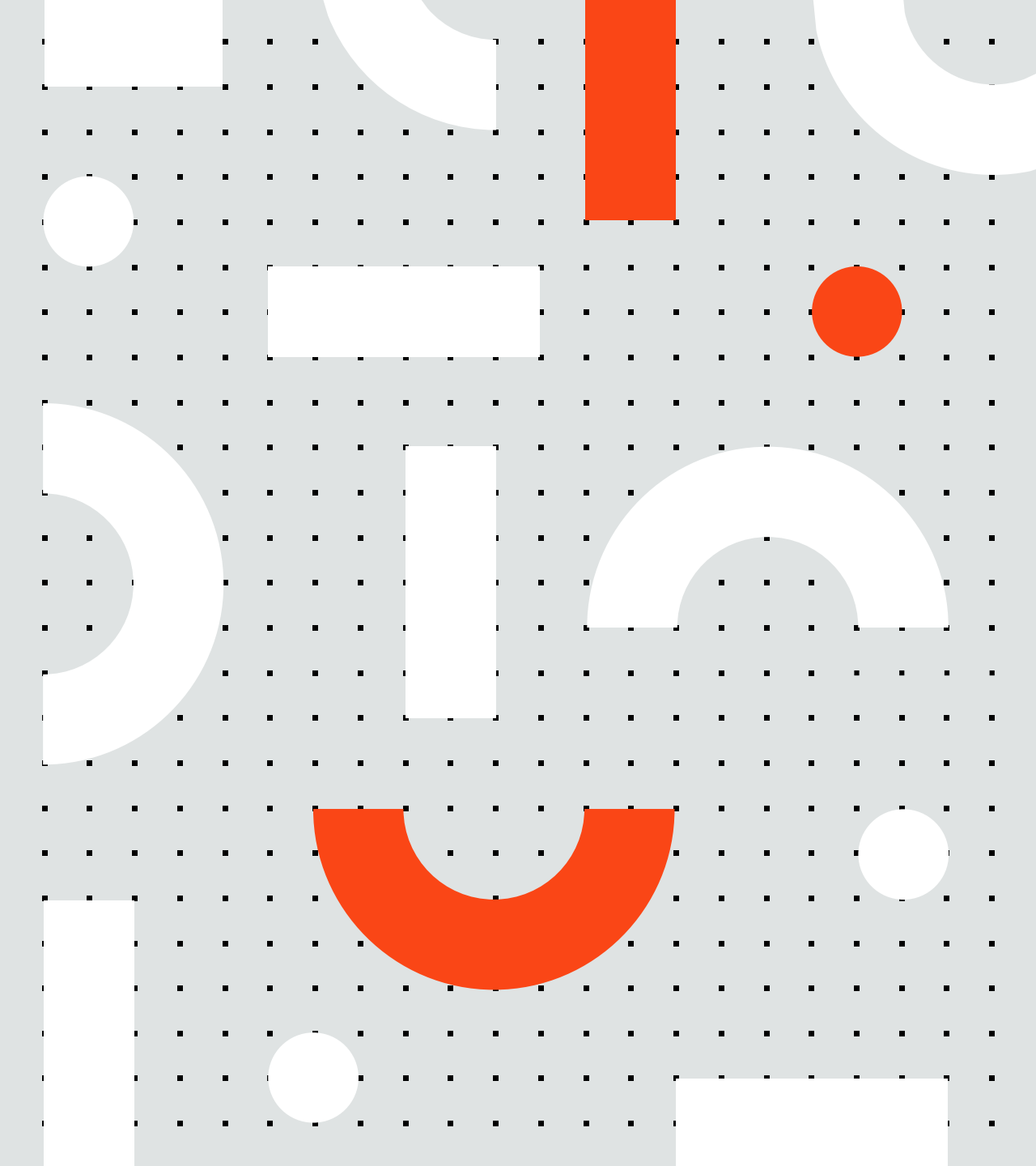
# Why UiPath Orchestrator?

With UiPath Orchestrator you can easily deploy, manage and optimize your Robots with enterprise-scale integration and compliance – no matter what size your business is.

- **Deploy anywhere**
- **Scale optimally**
- **Collaborate in privacy**
- **Secure digital workforce**
- **Audit everything**



# New in 2021.4 Enterprise Release





# What's new up to 2021.4

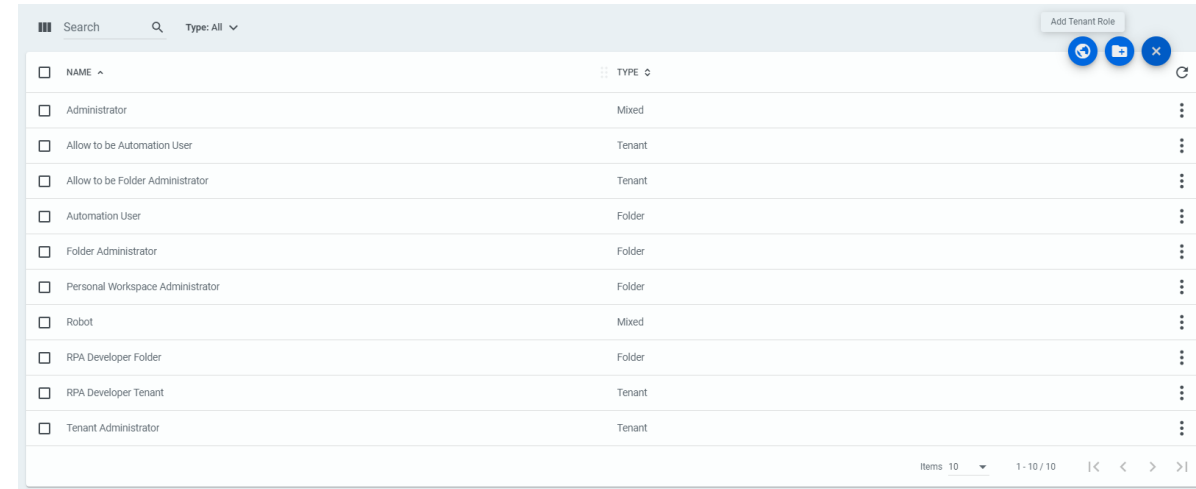
- Roles and Permissions
- Sharing resources Between Folders
- OAuth Support for API
- RPA Multiple Entry Points
- User Machine Mappings
- Start Job and Triggers
- Adding Standard Machines in Folders
- Asset Per User – Machine Pair

# Roles & Permissions

**Role management** has been improved in Orchestrator to better delimit permissions that apply on the tenant level and permissions that apply on the folder level.

It also introduces a new concept of **Role Types** that aids the restriction of usage depending on context:

- **Tenant Role**, only assignable at the tenant level
- **Folder Role**, only assignable at the folder level
- **Mixed Role**, containing both tenant and folder permissions. This insures compatibility for the mixture of roles possible part of previous versions.



The screenshot shows the 'Roles & Permissions' management interface in UiPath Orchestrator. It features a table with columns for 'NAME' and 'TYPE'. The table lists various roles and their corresponding types. At the top right, there is a search bar and a 'Type: All' dropdown. In the top right corner, there are three circular icons: a blue one with a plus sign, a blue one with a camera icon, and a blue one with an 'x' icon. Below the table, there is a pagination bar showing 'Items: 10', '1 - 10 / 10', and navigation arrows.

NAME	TYPE
Administrator	Mixed
Allow to be Automation User	Tenant
Allow to be Folder Administrator	Tenant
Automation User	Folder
Folder Administrator	Folder
Personal Workspace Administrator	Folder
Robot	Mixed
RPA Developer Folder	Folder
RPA Developer Tenant	Tenant
Tenant Administrator	Tenant

*It is no longer possible to create roles that contain both tenant and folder permissions, namely Mixed roles. If you have users who need both, you must assign them a Tenant role and a Folder role*

# Sharing Resources Between Folders

This new feature makes possible the sharing of resources between folders directly from Orchestrator.

It gives users the possibility of the following resources to be part of **more than one folder**:

- Assets
- Queues
- Storage Buckets
- Action Catalogs

## Benefits:

- Simplify sharing of resources across multiple folders
- Save deployment time
- Allows creation of any folder structures
- Eliminate the need to rebuild packages

### Manage Candidates Queue in folders

My folders

Search

✓ ☐ HR Processes

✓ ☐ Recruiting

☒ ☐ Candidate Entry

☒ ☐ Candidate Proces...

☐ Shared

➔ Currently in 1 folders. ^

☐ HR Processes/Recru... /Candidate Processing ✕

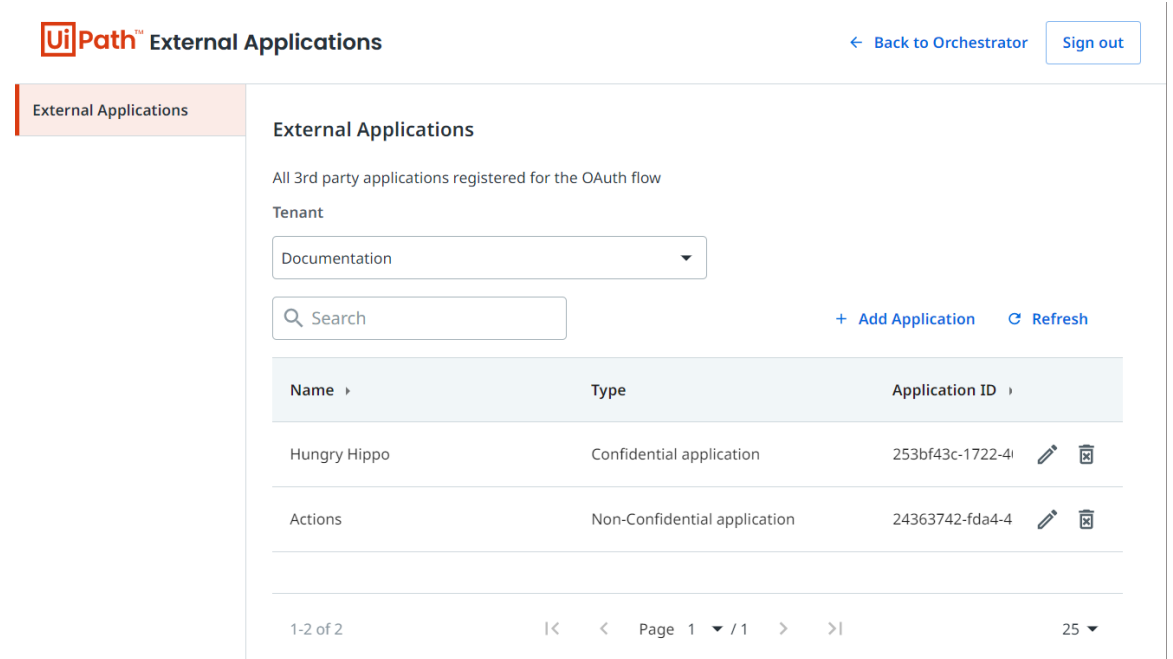
⊕ To be added in 1 folders. ^

☐ HR Processes/Recruiting/Candidate Entry ✕

✕ To be removed from 0 folders.

# OAuth2 support for API

OAuth capability for authorization of third-party apps with limited and controllable access to resources within UiPath platform without sharing any credentials.



The screenshot displays the 'UiPath External Applications' management interface. At the top, there are links for 'Back to Orchestrator' and 'Sign out'. The main section is titled 'External Applications' and includes a sub-header 'All 3rd party applications registered for the OAuth flow'. Below this, there is a 'Tenant' dropdown menu currently set to 'Documentation', a search bar, and buttons for '+ Add Application' and 'Refresh'. A table lists the registered applications:

Name	Type	Application ID	
Hungry Hippo	Confidential application	253bf43c-1722-4...	[Edit] [Delete]
Actions	Non-Confidential application	24363742-fda4-4...	[Edit] [Delete]

At the bottom, there is a pagination bar showing '1-2 of 2' items, navigation arrows, 'Page 1 / 1', and a '25' items per page selector.

## Benefits:

- Easy integration of third-party applications with Orchestrator
- Credentials are not stored/shared in/with UiPath Platform
- Better visibility and simplified way to authorize/register/control external applications

# RPA Multiple Entry Points

Support for multiple entry points in RPA processes.

It enables users to create and configure your processes in Studio with different entry points than the usual 'Main.xaml'.

When adding a process in Orchestrator, the interface has been modified to allow for users to specify the entry point for the workflow, assuming multiple entry points have been defined in Studio.

## Benefits:

- First introduced with Test packages, RPA packages also support Multiple Entry Points

1 Process Configuration 2 Additional Settings

**Package Overview**

Package Source Name \*  
MPE\_1

Click to add file or drop package file here

Package Version \*  
1.0.2

**Runtime Arguments**

Entry point

Main.xaml  
EP1.xaml  
EP2.xaml

NAME	ARGUME...	TYPE	V...
------	-----------	------	------

# User-Machine Mappings

Enables users to tie unattended usage under users to specific machine templates.

Gives granular control over the execution target of your automations while also reflecting the same user profile-machine mappings you are used to when configuring Windows profiles.

Can be configured at the:

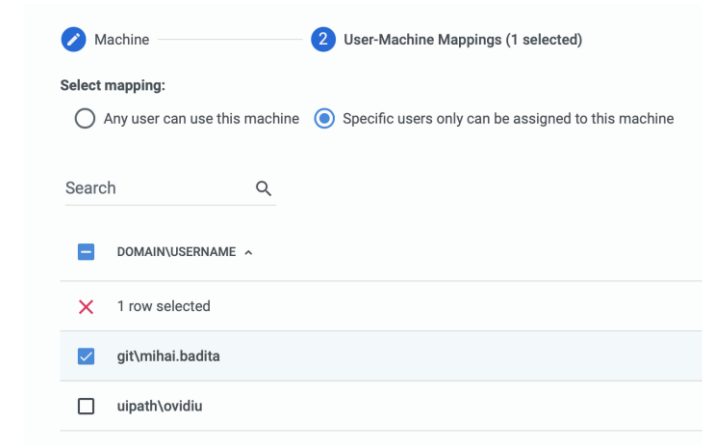
- **Tenant level**, linking users who usually log in on specific host machines
- **Folder level**, acting as subsets of tenant mappings, for added granularity

## Benefits:

- User-machine mappings address infrastructure challenges where specific sets of users can only log in on specific machines

### *Enabling User-Machine Mappings*

*At the tenant level, navigate to Settings -> General, in the Modern Folders section, enable/disable the toggle*



# Start Job and Triggers

Orchestrator is built with dynamic allocation and autoscaling in mind.

## Start Jobs

For debugging and testing scenarios, you can now see which machines are available when choosing to run a job using a certain machine template.

## Triggers

In the Execution Target tab, you can select your jobs allocation mechanism and execution target:

### Dynamic Allocation

You can now choose the machine on which jobs will get executed. Dynamic Allocation only allows specifying one user-machine pair.

### User-Machine Mappings

The process can be executed **on multiple** specific user-machine pairs

# Adding Standard Machines in Folders

Other than Machine Templates, users can now add **Standard Machines** in Modern Folders, enabling them to **connect the UiPath robot on one workstation only**.

The screenshot displays the 'Manage Folders' interface. On the left, the 'HR' folder is selected under the 'Global' category. On the right, the 'Machines' tab is active, showing a table of machines. The first row, 'DOGMIIHAI', is highlighted with a red box. The table columns are: NAME, DESCRIPTION, USER MAP..., TYPE, UNATT..., NON P..., and TESTING. The 'DOGMIIHAI' machine is of type 'Standard' and has 1 unattended instance.

NAME	DESCRIPTION	USER MAP...	TYPE	UNATT...	NON P...	TESTING
DOGMIIHAI	Inherited fro...		Standard	1	0	0
MachinePool	Inherited fro...		Template	2	0	0

## Benefits:

- When migrating from classic to modern, users don't need to create multiple templates or change the machine key.



# Asset Per User-Machine Pair

Update aimed at creating a mapping between users and machines, giving users the capability of having precise control over the asset value in the context of user, machines and credentials used during execution.

## Benefits:

- More control for users logging in to multiple machines

## Scenarios:

- IT departments might require a very clear mapping between the machines and some of the applications credentials used by the processes.
- The Different Application Versions
- Different App Installation Paths

Asset name \*  
ApplicationPath

Type  
Text

Description

☒ Global Value

Text \*  
C:\Users

When the global value is enabled every user will receive it, unless specifically overridden in the table below.

USER	MACHINE	VALUE
mihai.dogaru@uipath.c...	DOGMIHAI	C:\Users\mihai.dogaru...
mihai.dogaru@uipath.c...	MachinePool	C:\Users\mihai.dogaru...
mounika.tanguturi@uip...	MachinePool	C:\Users\mounika.tang...

CANCEL UPDATE

# Feature Availability

All the features that have been presented will be available both in the Cloud and On-Prem versions of the Orchestrator as part of the 2021.4 Release





**DEMO TIME**

**Let's see it in action**





# Automation Cloud User License Management



# What is the User License Management Model?

This feature offers a centralized way for managing the user licenses available to your Organization from the Automation Cloud portal. You can allocate licenses in the Organization by providing licenses to a single user or to an entire user group

User licenses are managed separately from service/unattended robot licenses and are not tied to a specific tenant; a user can use its license across multiple tenants in the organization.

## Direct License Assignment vs License Allocation by Group Membership

- **License Allocations to Users**

You can directly assign licenses to users in case you want full control over a limited set of licenses or to achieve licensing granularity while keeping access control easy using groups.

- **License Allocations to Groups**

Group-based licensing, on the other hand, allows you to allocate one or more licenses to a user group. This way, group will acquire the corresponding license on a first-come-first-served basis, instead of having to assign the licenses one-by-one.

# What problems does it solve?

- Easy and centralized management of user licenses within an organization solely from the Automation Cloud Portal
- Licenses are allocated directly to users and/or groups and are not tied anymore to a specific tenant
- As long as a user has the necessary permissions, user licenses can be used across tenants without having an admin moving licenses from a tenant to another to accomplish this.

# Compatibility considerations

- User-based licensing **is not compatible with classic folders** and is only recommended for organizations using interactive authentication.
- When migrating from on-premises to Automation Cloud Orchestrator while in a classic folder setup, you need to make sure user licensing is turned off

*Beginning March, 1st, newly created organizations have user licensing enabled by default. We did not remove the legacy license management model, existing organizations are not impacted in any way by this change.*

# Telling Licensing Models apart

Allows you to manage all licenses in your organization in the dedicated sections on the **Licenses Page**

LicensesEnterprise Plan

Subscription Expiry: Jun 2, 2030

Users

Robots & Services

View Licenses

Attended - Named User

Access to Attended Robot, Apps, Action Center, Task Capture

10

Attended - Multiuser

Access to Attended Robot, Apps, Action Center, Task Capture

2

Citizen Developer - Named User

Access to StudioX, Attended Robot, Apps, Action Center, Task Capture

10

Citizen Developer - Multiuser

Access to StudioX, Attended Robot, Apps, Action Center, Task Capture

2

RPA Developer - Named User

Access to Studio, StudioX, Attended Robot, Apps, Action Center, Task Capture

10

RPA Developer - Multiuser

Access to Studio, StudioX, Attended Robot, Apps, Action Center, Task Capture

2

RPA Developer Pro - Named User

Access to Studio Pro, Studio, StudioX, Attended Robot, Apps, Action Center, Task Capture

10

RPA Developer Pro - Multiuser

Access to Studio Pro, Studio, StudioX, Attended Robot, Apps, Action Center, Task Capture

2

License Allocations to Groups

License Allocations to Users

User License Management Model

You can only visualize your licenses with no license management options

LicensesEnterprise Plan

Subscription Expiry: Jun 2, 2030

Users

Robots & Services

View Licenses

Attended - Named User

Access to Attended Robot, Apps, Action Center, Task Capture

10

Attended - Multiuser

Access to Attended Robot, Apps, Action Center, Task Capture

2

Citizen Developer - Named User

Access to StudioX, Attended Robot, Apps, Action Center, Task Capture

10

Citizen Developer - Multiuser

Access to StudioX, Attended Robot, Apps, Action Center, Task Capture

2

RPA Developer - Named User

Access to Studio, StudioX, Attended Robot, Apps, Action Center, Task Capture

10

RPA Developer - Multiuser

Access to Studio, StudioX, Attended Robot, Apps, Action Center, Task Capture

2

RPA Developer Pro - Named User

Access to Studio Pro, Studio, StudioX, Attended Robot, Apps, Action Center, Task Capture

10

RPA Developer Pro - Multiuser

Access to Studio Pro, Studio, StudioX, Attended Robot, Apps, Action Center, Task Capture

2

Legacy License Management Model

76



# License Allocation by Group Membership

- Recommended route for enterprises
- License allocation is performed automatically through group allocation rules.
- Allows you to allocate one or more product licenses to a group.
- The pool of licenses assigned to the group becomes available to all members of the group
- Group allocation does not consume licenses but makes the pool of licenses available to the group members.

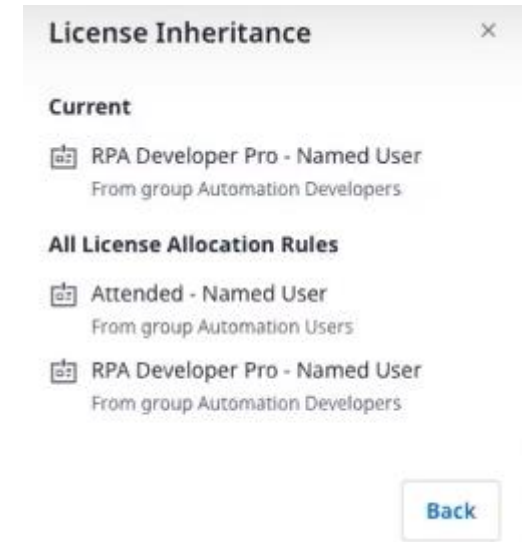
## License Consumption

Users consume licenses on a first come - first served principle within the limits of the group license

Named User	Multiuser
Users consume licenses on a first come - first served principle within the limits of the group license:	Users consume licenses on a first come - first served principle.
<ul style="list-style-type: none"><li>• A license relevant to a desktop product is consumed when the desktop application is first started. (e.g., Studio, Assistant).</li><li>• A license relevant to a web product is consumed at the first operation performed in the product that requires a license. This varies with each product.</li></ul>	<ul style="list-style-type: none"><li>• A license is released if the user does not use any product/capability that may require a license. You must log out and close the application or browser for the license to be released and become available for the next user.</li></ul>

# Multiple Licenses per User

- There can be scenarios in which one user inherits multiple licenses by group membership in which case the user will **consume the most powerful of them.**
- If that is not available, the user consumes the second most powerful.



# License Allocation To Users

- Recommended in order to gain full control over a limited set of licenses or to achieve licensing granularity while keeping access control easy using groups

## License Consumption

Named User	Multuser
<ul style="list-style-type: none"><li>• A license consumed as soon as it is assigned to the user</li><li>• A license is released if the administrator unassigns it from the user or the user is removed from the organization.</li></ul>	<p>Users consume licenses on a first come - first served principle.</p> <ul style="list-style-type: none"><li>• A license relevant to a desktop product is consumed when the desktop application is started. (e.g., Studio, Assistant)</li><li>• A license relevant to a web product is consumed at the first operation performed in the product that requires a license. This varies with each product.</li><li>• A license is released if the user does not use any product/capability that may require a license. You must log out and close the application or browser for the license to be released and become available for the next user.</li></ul>

# Manage Robot/Service Licenses

**Robots & Services** now includes a new section where you can distribute your licenses per tenant

The screenshot shows the 'Robots & Services' tab in the UiPath Automation Cloud interface. The 'Licenses' section is active, displaying a list of licenses and their counts. A red box highlights the 'License Allocation to Tenants' table, which shows the distribution of licenses across different tenants.

Tenant	Unattended Robot	NonProduction Robot	Testing Robot	AI Robot	Data Service Unit
DefaultTenant	1	0	1	0	0
Finance	9	10	9	10	70

User Licensing Model

**Robots & Services** tab can only provide an overview of your licenses

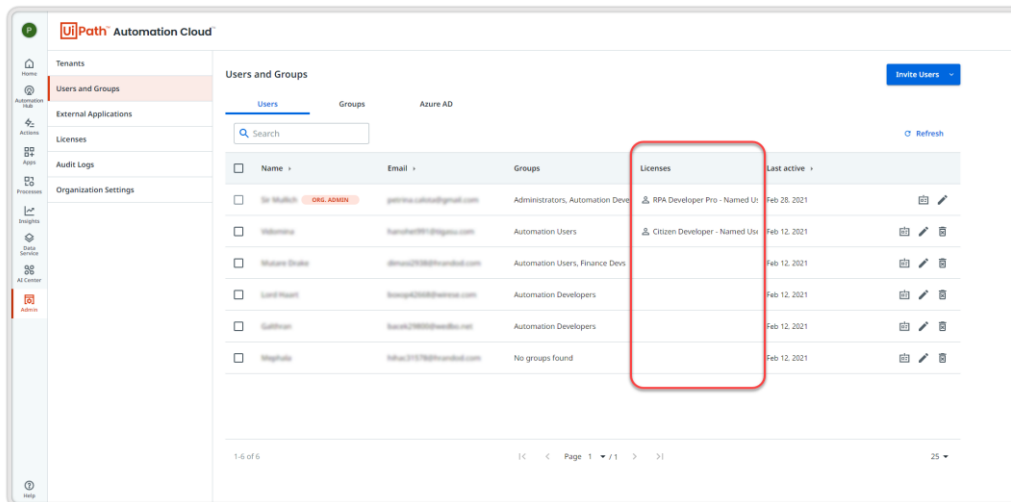
The screenshot shows the 'Robots & Services' tab in the UiPath Automation Cloud interface. The 'Licenses' section is active, displaying a list of licenses and their counts. This view provides an overview of the licenses but does not show the allocation to tenants.

License	Count
Unattended Robot	10
NonProduction Robot	10
Testing Robot	10
AI Robot	10
Data Service Unit	70
Insights	100K
Computer Vision	30

Legacy Model

# User & Groups license assignment

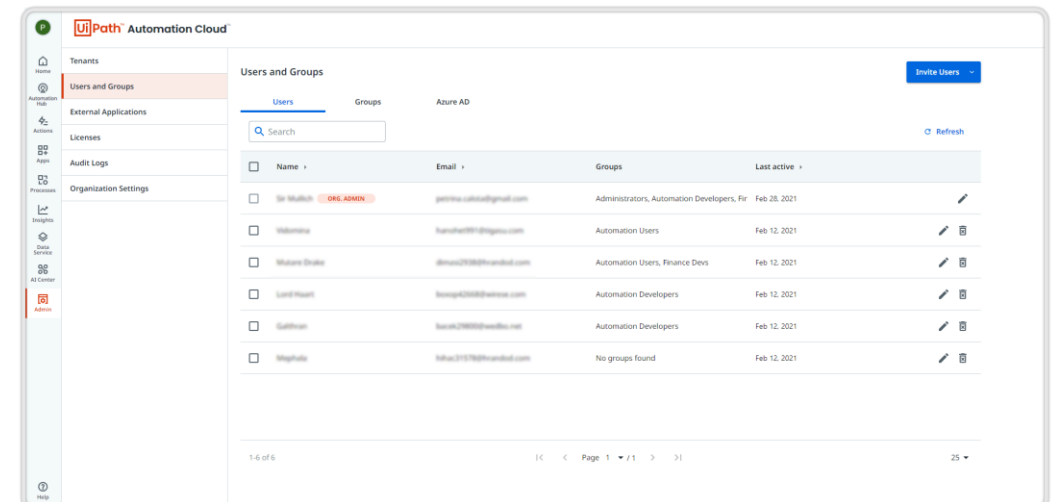
**Users & Groups** page comes with a new column to check license assignments at a glance.



The screenshot shows the 'Users and Groups' page in the UiPath Automation Cloud interface. The 'Users' tab is selected, and a table lists users with columns for Name, Email, Groups, Licenses, and Last active. The 'Licenses' column is highlighted with a red box, showing license assignments for each user.

Name	Email	Groups	Licenses	Last active
Dr. Muthu	getmuthu@gmail.com	Administrators, Automation Dev	RPA Developer Pro - Named U	Feb 28, 2021
Vidya	banthar01@gmail.com	Automation Users	Citizen Developer - Named U	Feb 12, 2021
Muthu Shree	dmuthu2008@redbus.com	Automation Users, Finance Devs		Feb 12, 2021
Lord Rishi	louis42008@redbus.com	Automation Developers		Feb 12, 2021
Guthrie	louis27800@redbus.net	Automation Developers		Feb 12, 2021
Shyama	shyama215780@redbus.com	No groups found		Feb 12, 2021

User Management Model



The screenshot shows the 'Users and Groups' page in the UiPath Automation Cloud interface. The 'Users' tab is selected, and a table lists users with columns for Name, Email, Groups, and Last active. The 'Licenses' column is missing, indicating the legacy model.

Name	Email	Groups	Last active
Dr. Muthu	getmuthu@gmail.com	Administrators, Automation Developers, Fir	Feb 28, 2021
Vidya	banthar01@gmail.com	Automation Users	Feb 12, 2021
Muthu Shree	dmuthu2008@redbus.com	Automation Users, Finance Devs	Feb 12, 2021
Lord Rishi	louis42008@redbus.com	Automation Developers	Feb 12, 2021
Guthrie	louis27800@redbus.net	Automation Developers	Feb 12, 2021
Shyama	shyama215780@redbus.com	No groups found	Feb 12, 2021

Legacy Model





**DEMO TIME**

**Let's see it in action**





# April 2021 Automation Ops Updates



# Agenda

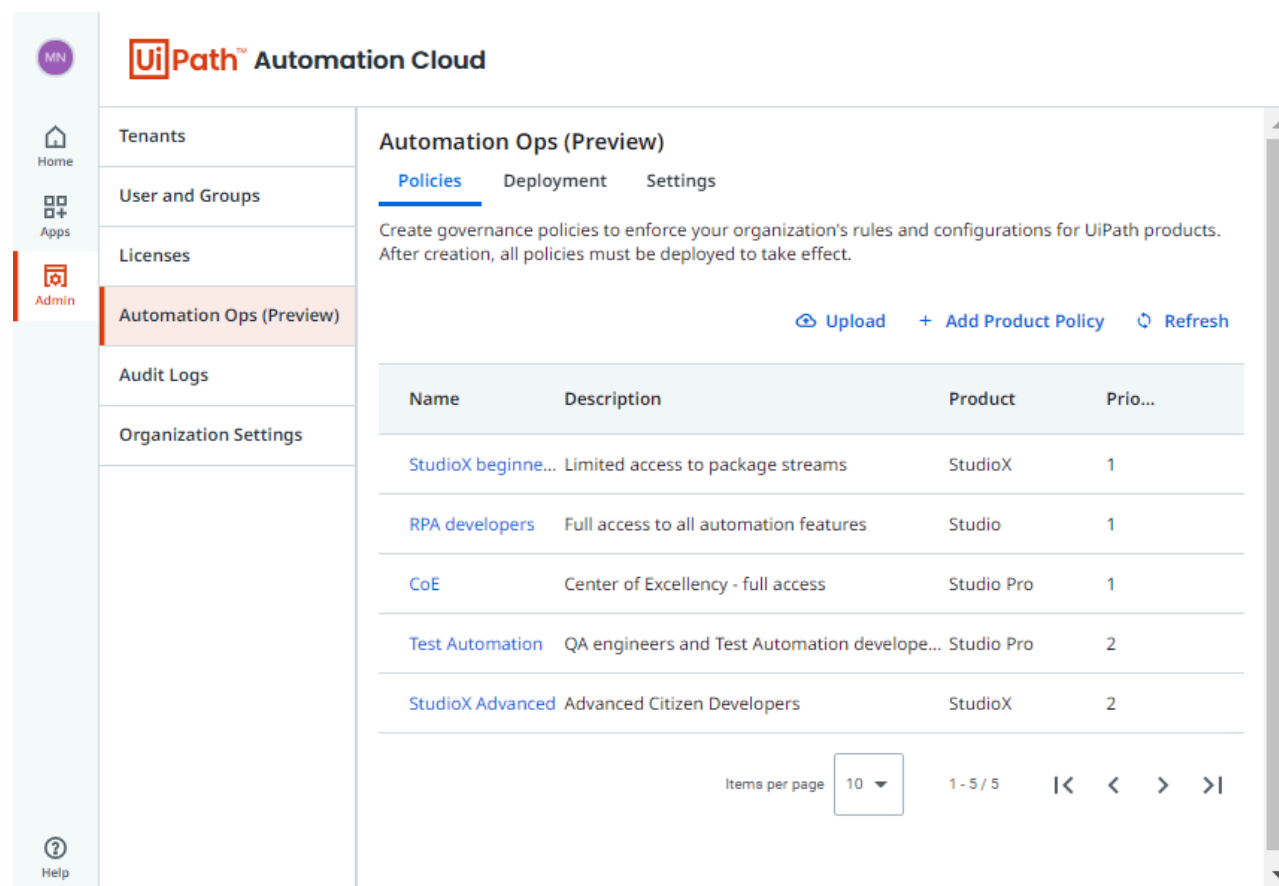
- 01** Automation Ops Overview
- 02** Main Benefits
- 03** Personas & Competition
- 04** Licensing & Pricing & Deployment



# UiPath™ Automation Ops

Centralized Ops management for automation projects

**Automation Ops** is a development operations tool with centralized governance capabilities that enables cloud administrators to define and deploy governance policies to organization employees.



The screenshot displays the UiPath Automation Cloud interface. On the left is a navigation sidebar with icons for Home, Apps, Admin, and Help. The main content area is titled "Automation Ops (Preview)" and includes tabs for Policies, Deployment, and Settings. Below the tabs, there is a description: "Create governance policies to enforce your organization's rules and configurations for UiPath products. After creation, all policies must be deployed to take effect." Action buttons for Upload, Add Product Policy, and Refresh are visible. A table lists several policies with columns for Name, Description, Product, and Priority.

Name	Description	Product	Prio...
StudioX beginne...	Limited access to package streams	StudioX	1
RPA developers	Full access to all automation features	Studio	1
CoE	Center of Excellency - full access	Studio Pro	1
Test Automation	QA engineers and Test Automation developo...	Studio Pro	2
StudioX Advanced	Advanced Citizen Developers	StudioX	2

At the bottom right of the table, there is a pagination control showing "Items per page 10" and "1 - 5 / 5" with navigation arrows.

# Why UiPath Automation Ops?

RPA developer and center of automation excellence leads have business requirements tied into automation development that surpass our previous UiPath Platform and Cloud offering. These needs stem from the fact that automation development, no matter how simple or user-intuitive, is ultimately still development.

Studio, StudioX, Apps, Assistant as well as future authoring tools produce automation code across the organization at dazzling speed. Managing large automation development teams requires dedicated software to ensure standards, reliability and consistency across projects, departments and release versions.

# Main benefits

- Integrated in your existing automation flows
- Applies to existing install base
- Deployed as part of UiPath Automation Cloud
- Tightly connected to all your Studio family products
- Policy deployment down to individual level
- Oversight and control without intrusion and undue restrictions
- Restrict applications and URLs that can be automated
- Custom policies for your organization
- Policy management
- Version management



# Matches your development cycle

Controlling the inputs	Controlling the outputs	Logging and auditing through Orchestrator
<p>Persona based rights management</p> <p>Restrict applications and URLs that can be automate.</p> <p>Prevent insecure password use</p> <p>Configure custom policies for your organization</p>	<p>Built in rules ensure compliant and high-quality automations</p> <p>Require users to pass analyzer check before running or publishing</p>	<p>Robot automatically logs important information</p> <ul style="list-style-type: none"><li>• Who / when</li><li>• Errors</li><li>• Application interactions</li><li>• Resource use (Word, Excel, Email)</li><li>• Created emails (to/cc/bcc, from, sent or saved as draft)</li></ul>

# Who needs it? And Who's the competition?

All organizations that want to control their development lifecycle

Major competitive advantage

# Licensing. Pricing. Deployment

Included in the RPA Developer license

Free solution

Deployed through the UiPath Automation Cloud

**Cloud-first, rich web-based application, enabling users to quickly setup policies and package sources.**

Easily govern large deployments of the Studio Family products, and keep your automations under control, while at the same time allowing your developers the freedom of designing their very best work.







**DEMO TIME**

**Let's see it in action**





# Insights Cloud

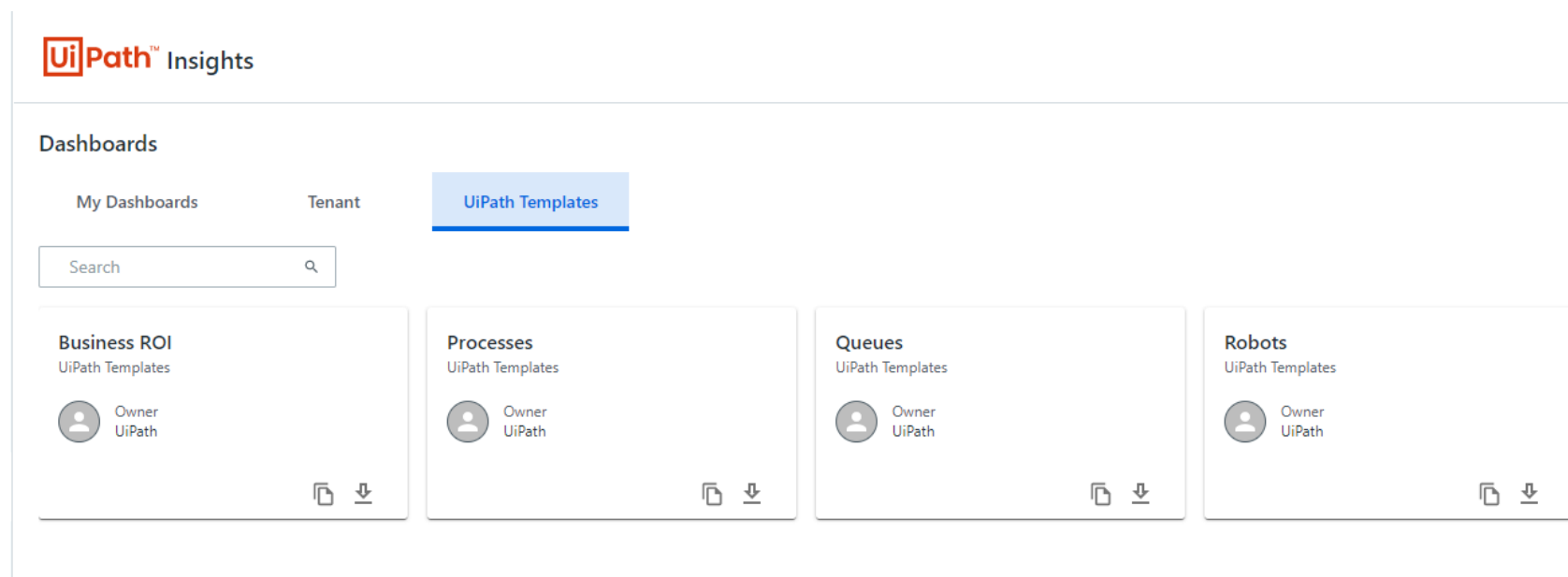


# Agenda

- 01** Insights Cloud Overview
- 02** Main Benefits
- 03** Features
- 04** Personas & Competition
- 05** Licensing & Deployment
- 06** New in 2021.4 Enterprise Release

# UiPath™ Insights

**Insights Cloud** - A powerful analytics solution that helps you to measure, optimize and scale your RPA operation and its impact to your business is now available in Automation Cloud.



# Why UiPath Insights Cloud?

Insights Cloud enables the ability to track and measure robot accuracy, utilization and capacity.

Support organizational-wide decision making with shareable dashboards that showcase the impact of your automation program.

0.60 min

Avg Job Duration

2.05 Single Longest Job Duration

95.54%

Success Rate

# Measure RPA's impact on your bottom line

## Gain situational awareness of all your critical KPIs in one place

- Measure and analyze robot and process performance, queues and business metrics in a single interface.
- Visualize process and transaction-level (Queues) automation trends in pre-built dashboard templates
- Measure Robot utilization, performance & accuracy

# Measure the performance of your RPA operations

**Easily quantify the time and money saved by your automations**

- Align RPA operations with your specific KPIs and business goals
- Track and analyze business outcomes to guide business and automation investments

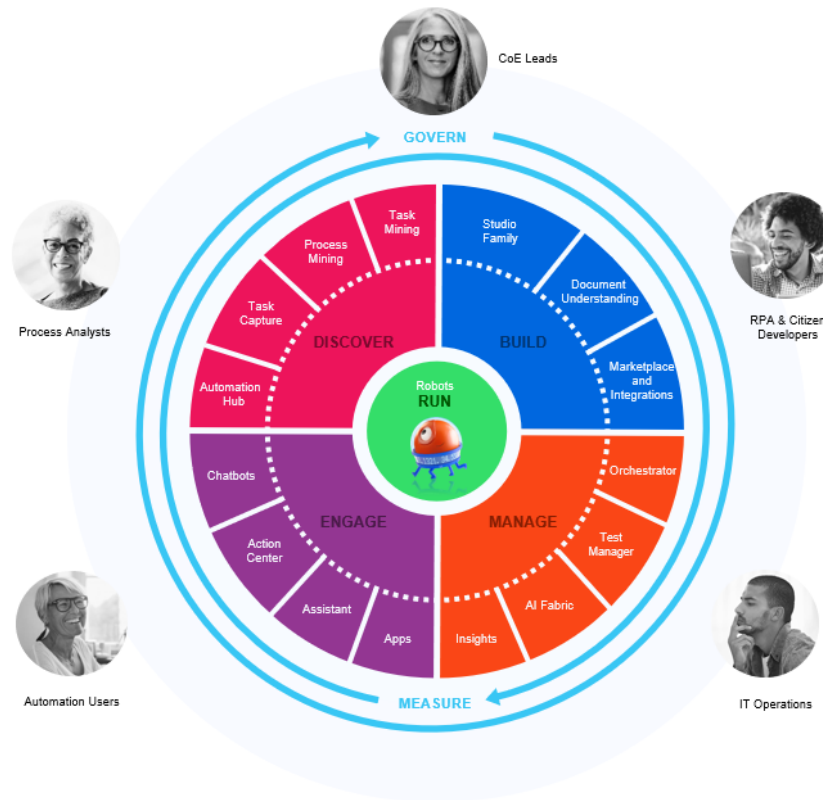
# Shareable Insights

**The easy-to-use interface enables users to stay informed without the need for complex training.**

- Schedule and share reports with key stakeholders.
- Library of curated, pre-built dashboard templates
- Get notified about critical events and major milestones

# Main benefits

- Measure the performance of your RPA operations with a library of curated dashboard templates
- Calculate the impact and ROI of your automation program – including time and money saved
- Schedule or share dashboards and reports across your organization and with key stakeholders





# Features

- Robots, Processes, Queues, Business ROI & Customizing and sharing dashboards
- Download & Schedule a dashboard
- Creating and managing alerts
- Custom Dataset for Business ROI
- User Management: ROI Viewer + ROI Designer

# Who needs it?

## Who's the competition?

Automation Cloud customers that are seeking to utilize an analytics solution to track, measure and report on their automation program.

**Target Personas:** Center of Excellence Leaders (CoE), RPA Analysts, Business Leadership, Line of Business Owners, Business Process Owners

1. It brings us to parity with AA with regards to deployment options, as Bot Insights is available both on-prem and in the cloud.
2. Microsoft only has analytics in the cloud via PowerBI, but do not have the same business metrics available for Power Automate





**DEMO TIME**

**Let's see it in action**



**Q&A time**



Thank you!

