



DEVELOPER CONFERENCE

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Join the conversation.

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UiPath

UiPath Analytics Platform



ARUN IYER

Product Manager, UiPath



SAJAL CHAKRABORTY

Product Manager, UiPath



Breakout session: UiPath Analytics

AUDIENCE

- RPA Developers
- LOB Process Owners
- IT Operations Managers
- RPA CoE Leaders
- Data Scientists
- Business Analysts
- Solution Architects

EXPECTED OUTCOMES

- Key Personas and their Analytics needs
- Major Capabilities of the UiPath Analytics platform
- Set up workflow to leverage UiPath Analytics
- Connect workflow to UiPath Analytics Data-Store
- Create dashboards to visualize metric computations

Customer Need

- **Monitor** KPIs of RPA deployment (Robot Utilization, Process Throughput, Exceptions)
- **Optimize ROI** and improve business outcomes (\$, FTE Hours Saved, Reduction in Manual Errors, SLAs)
- **Correlate** operational and business insights
- Be notified of unexpected situations
- Get detailed information on KPIs and address issues

Current Offering



elasticsearch



kibana

Feedback and Challenges

- **Difficult** to configure and use
- **Unsuitable** for LOB users – requires technical knowledge
- **No Out-of-Box insights** to get started immediately
- Hard to **correlate** business and operational insights
- Need to install and maintain third-party products

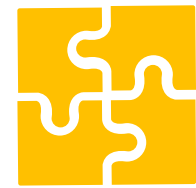


Introducing UiPath Analytics

- **OOB Insights:** Robot Intelligence, Process Intelligence to monitor key operational and RPA health metrics
- **Graphically correlate** operational and business insights
- **Ease-of-use:** Simple to use and maintain; UiPath supported
- **Alerting:** Set up custom alerts to monitor anomalous situations
- **Drill-Down** into KPIs to get granular information and address issues
- Leverage **Predictive Analytics** to proactively identify and resolve issues
- **Automated RCA** to pinpoint root-cause of issues
- Leverage **UiPath Go! Marketplace** to distribute custom solutions



Major Capabilities



Connect to and ingest data from UiPath Orchestrator logs. Integrate with BI tools (Tableau, PowerBI)



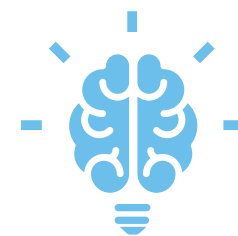
Define custom entity tables and metrics



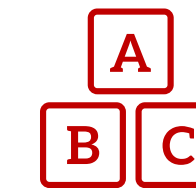
Easily create dashboards to visualize metrics and monitor them in real-time



Set up alerts and notifications to signal when unexpected conditions occur



Leverage Predictive Analytics to identify and proactively address issues with Robot and Process performance



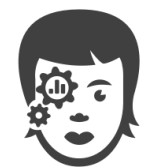
Package and distribute custom solutions on UiPath Go! Marketplace

Key Personas



Process Owner (e.g. Director of Procurement)

- Oversees all processes and outcomes for a business function
- Primarily uses: Process Insights, Alerting



Data Scientist

- Uses Big Data to model advanced AI/ML algorithms, Forecasting, Predictive and Prescriptive Analytics
- Primarily uses: Big Data Store, Metrics Manager, Predictive Analytics



IT Operations Manager

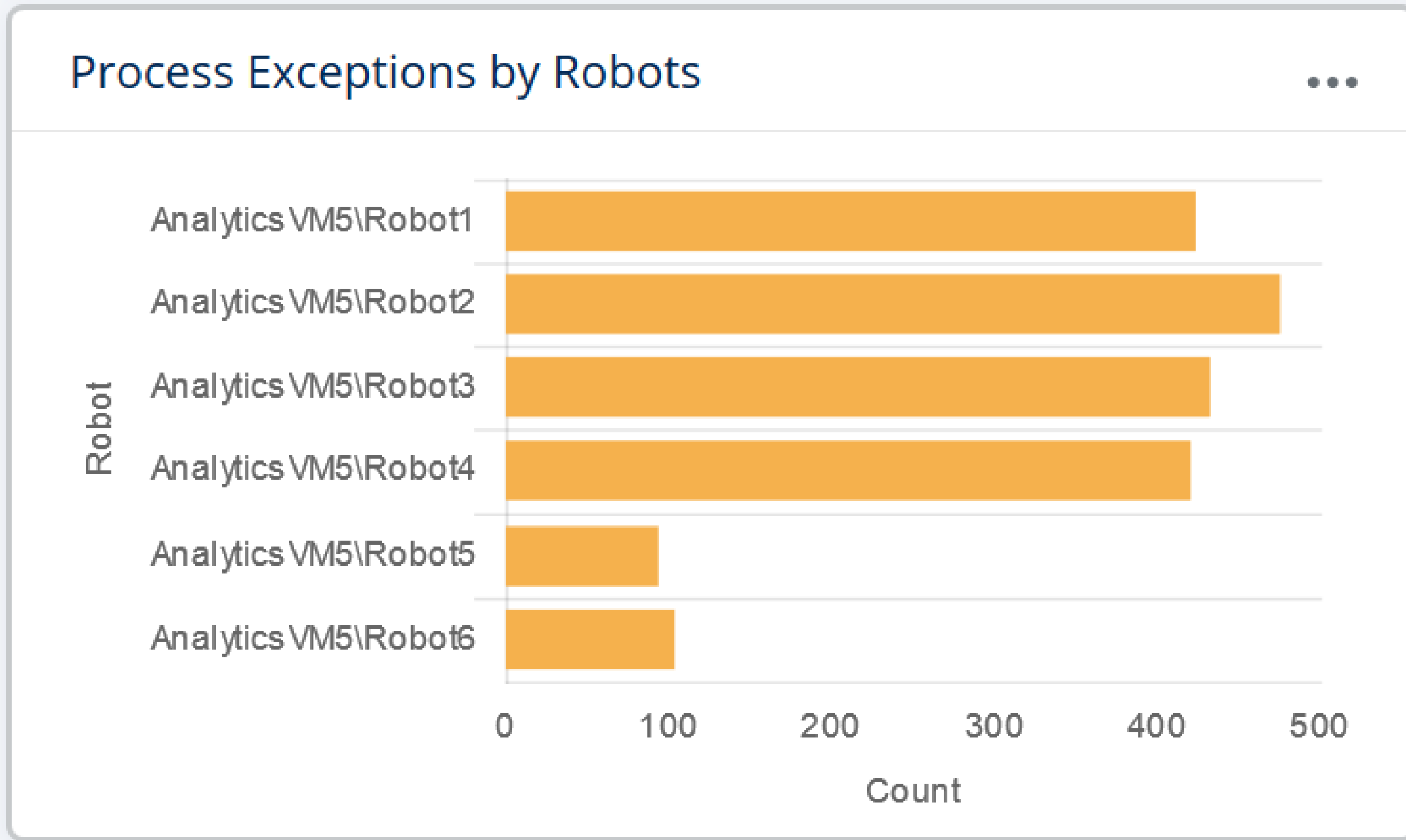
- Configures and manages IT infrastructure and monitors system health
- Primarily uses: System Intelligence, Robot Intelligence, Alerting, Automated RCA



Analyst

- Defines metrics, creates reports and dashboards
- Primarily uses: Metrics Manager, Dashboard Creator

Example Use-Cases



Step-by-step: Workflow to dashboard



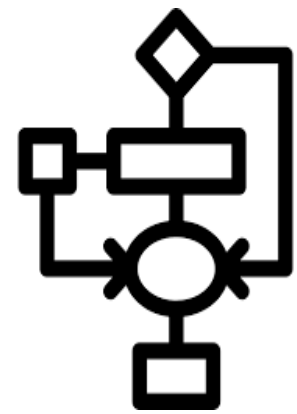
RPA Developer:
Defines workflow
steps in UiPath
Studio



Analytics Architect:
Defines Entity
Schema and
connects workflow
to Big Data Store

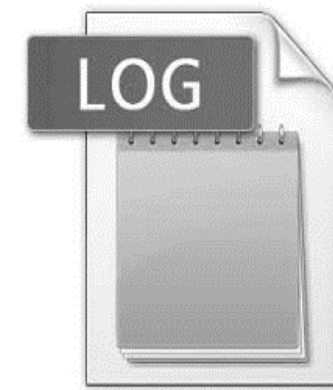


Business Data Analyst:
Defines metrics to be
computed and
visualizations on
Dashboards



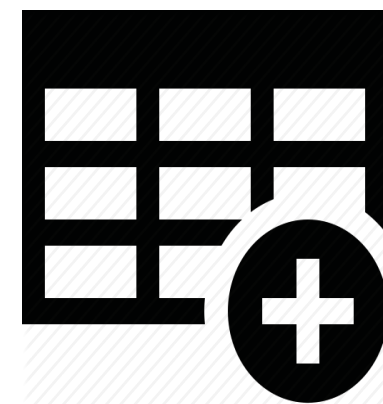
Create Workflow in
UiPath Studio

Step 1



Write variables to
Orchestrator Log

Steps 2 3



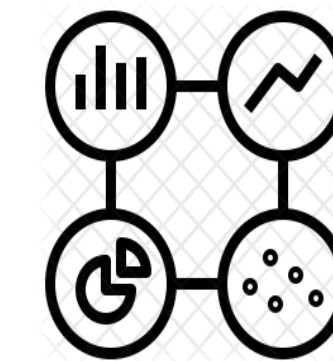
Create Entity

Step 4



Define Mapping

Step 5



Define Metrics

Step 6



Create
Dashboard

Step 7

UiPath Analytics – Live Demo

1. Adding variables to workflow
2. Creating Entity in Analytics Platform
3. Mapping process to entity
4. Defining Metric
5. Creating new dashboard with chart from metric

“What gets measured,
gets managed”

Peter F. Drucker, Father of Management *



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THANK YOU

Comparative Analysis

	ElasticSearch + Kibana	Analytics Tools (Tableau, PowerBI)	UiPath Analytics
Target Audience	IT Operations Persona	Business Persona	Both
Primary Use-Case	Monitoring, Troubleshooting	Reporting, Analytics, Optimization	Both
Business and Ops. KPI Correlation	No	No/Very difficult	Yes
Out-of-box dashboards	No	No/A few available on UiPath Go Marketplace	Yes – Robot and Process Intelligence

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UiPath

MARKETPLACE GO!



IOANA UNGREANU

Project Manager, UiPath



CLAUDIA SELARU ISPAS

Content Manager, UiPath





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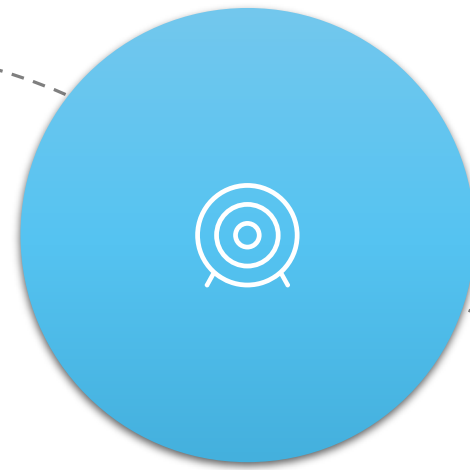
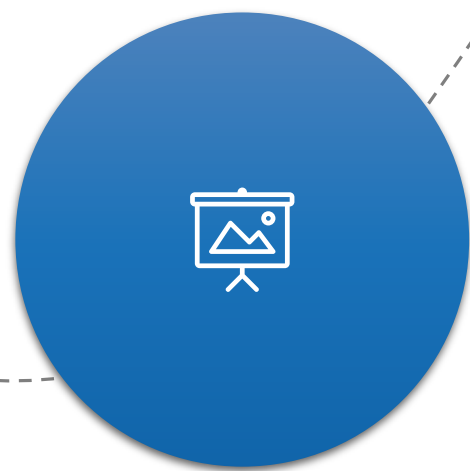
Building up UiPath Community Ecosystem

Mission

Boost the global UiPath **adoption** through the **creation** of an **ecosystem** of customer and partner focused technologies and programs

UiPath Academy

> 2017

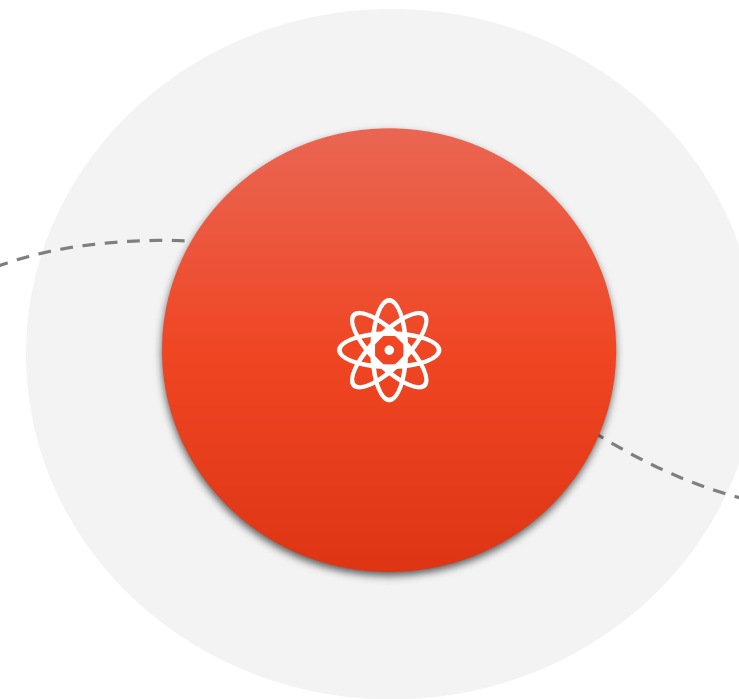


UiPath Forum

> 2017

UiPath Go!

> 2018

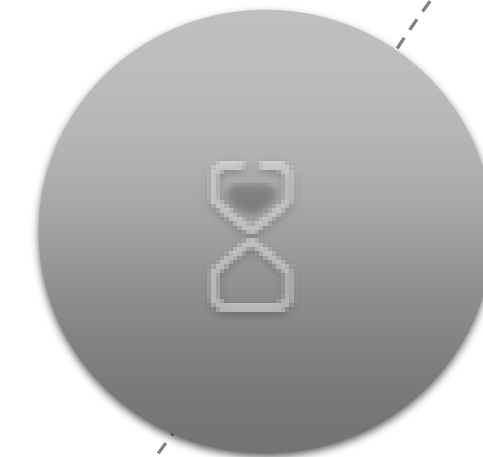


UiPath Connect

> 2019

Loading

> 2019



How many times

did you want to automate something that was meant to be very easy, but turned out to be quite tricky?

How nice would it be

to manage your feed directly from Studio?

How many of you

have created reusable components?

Which of you

have tried to reinvent the wheel?

Who wants to work less and
automate more?

UiPath Go!

How we are doing



30 K

Visitors



6 k

User Accounts



65

Company Accounts



220

Published Components



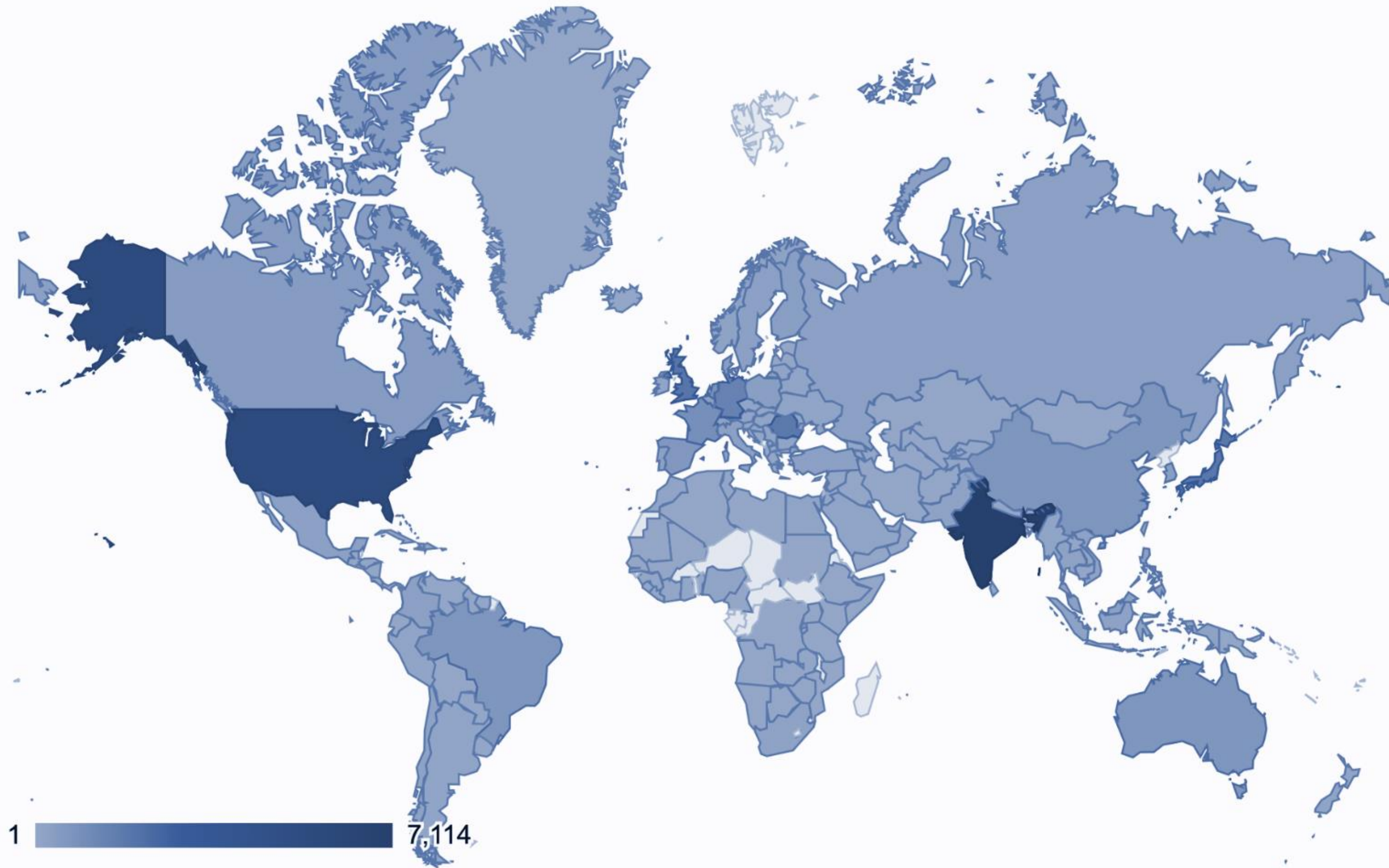
15 K

Downloads



90

Average downloads
per component



India:	7114
United States:	5274
United Kingdom:	1795
Japan:	1694
Romania:	1651
Germany:	1315
France:	872
Netherlands:	707
Singapore:	657
China:	610



**Cristian
Negulescu**

234



CUSTOM ACTIVITY

Connector for Salesforce Lightning Platform

A set of 85 Activities and 5 wizards that allow you to do a very fast implementation for Salesforce Lightning Platform.



**Mihai
Dunăreanu**

235



CUSTOM ACTIVITY

Google GSuite

Supercharge your productivity with a robot that can collaborate on spreadsheets, access stored files, and read emails all within Google Cloud.

ROBOYO

ROBOYO

172



CUSTOM ACTIVITY

Roboyo - LogFile Parser

The LogFile only grabs the logs from the current process run. After this custom log is created the content is written into an Excel-File

CIPHIX

CIPHIX

37



CONNECTOR

Ciphix - Save Mail Attachments

A workflow that allows the user to save all the attachments from their emails



CUSTOM ACTIVITY

ACTIVITIES FOR MICROSOFT WINDOWS SERVICE

Activities that control the Windows Service and get the information like status and description



CUSTOM ACTIVITY

PDF CONVERSION TO MICROSOFT WORD

This activity makes easy to convert PDF files to Microsoft Word documents



Balamurugan Shanmugasundaram
Software Developer

Community user with most published components

[Discover More](#)



CUSTOM ACTIVITY

GRAPH ACTIVITIES FOR MICROSOFT EXCEL

Using this activity can create the Pie, Column, Line and Bar graph.



CUSTOM ACTIVITY

DATATABLE RELATED ACTIVITIES

Custom activities including the Aggregation, Cumulative and Export to Xml



UiPath Go!

Automation made easy
Welcome to UiPath Go! [Preview](#) version, your one-stop shop for RPA



Browse By Category:

[All Components](#)[Activities](#)[Snippets](#)[Workflows](#)[Connectors](#)[Dashboards](#)[Machine Learning](#)[Solutions](#)

Orchestrator for Node-RED

Connector

Orchestrator in overdrive. Webhooks, Custom UIs, IoT. Node-RED is the bridge that connects UiPath...

★★★★★ 3 222



Google GSuite

Custom Activity

Set of activities to interact with Google Drive, Sheets, and Gmail

0 383



Connector for Salesforce Lightning Platform

Custom Activity

A set of 85 Activities and 5 wizards that allow you to do a very fast implementation for Salesfor...

★★★★★ 2 278



Countrifier

Snippet

A simple workflow that uses LinkedIn to try and find the country

0 64

Like using Go!?

UiPath Community

REINVENTED



WHERE ARE WE NOW?

UiPath Forum

30K
MEMBERS

230K
POSTS

UiPath Academy

230k
STUDENTS

191
COUNTRIES

UiPath Go!

30k
VISITORS

15k
DOWNLOADS

UiPath MVPs



Acacio Melo
Software Engineer
IBM



Akshay Yadav
Senior Software
Engineer



**Arivazhagan
Anbarasan**
Senior Software Engineer



Clayton Marischen
Systems Analyst for
Accounting Ops
PepsiCo



Dilip Padil
Senior RPA Developer
iMatrix



Florent Salendres
RPA Senior Consultant
Symphony Ventures



Lucas Pimenta Fernandes
RPA Team Leader
Capgemini



Richard Denton
Managing Partner
RPAbox



Susana Gonzalez Cacheiro
RPA Software Engineer
Capgemini

CONNECTed

How many of you

Completed Academy Foundation?

How many of you

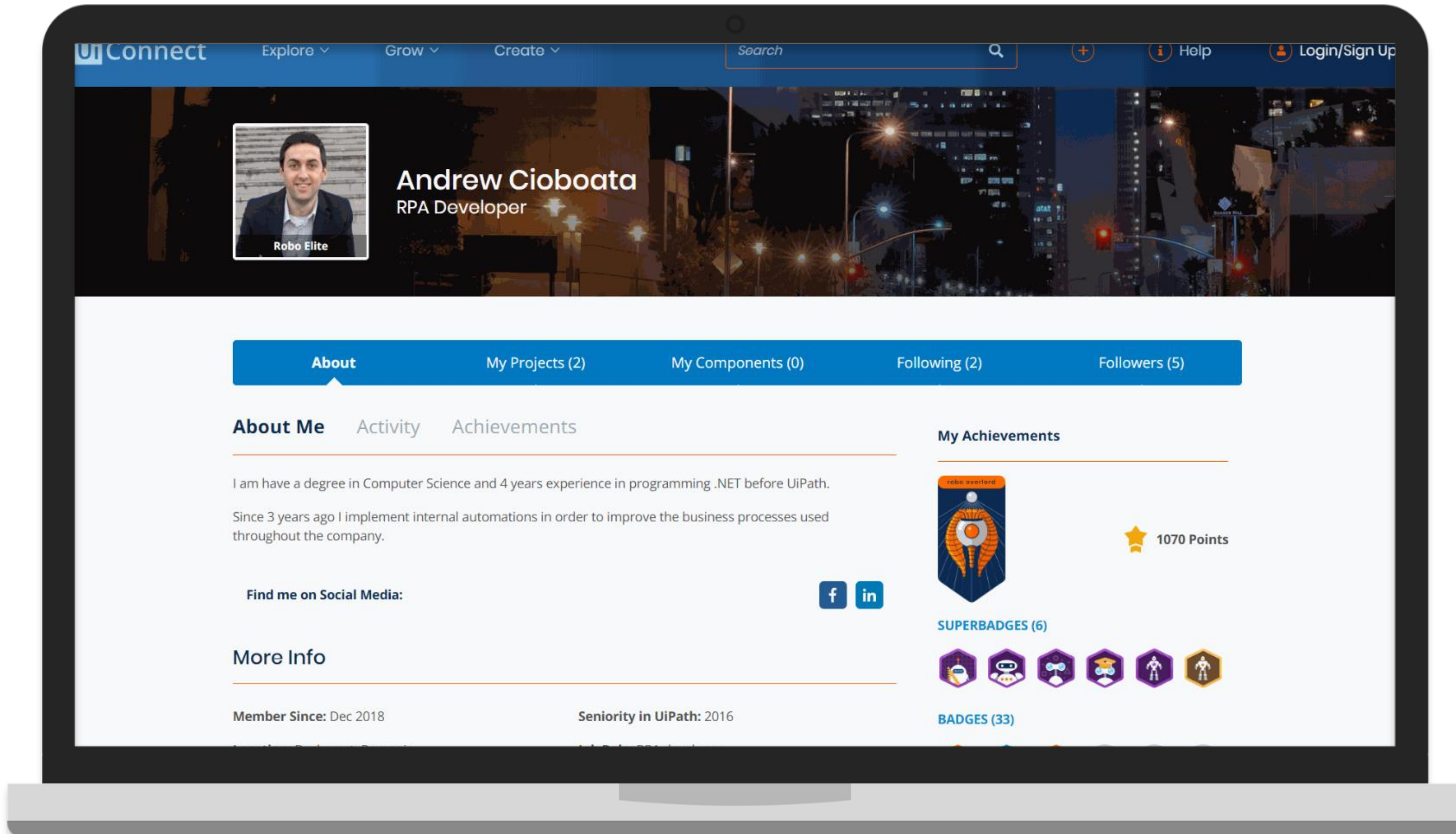
Like playing games?

How many times

Did you check Forum posts?

How many of you

Would like to collaborate on cool RPA Projects?



COMMUNITY ECOSYSTEM

1.

USEFUL

2.

OPEN

3.

FREE

4.

AUTHENTIC

5.

FUN

Thank you!

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AUTOMATION AS A SERVICE



VENKATA SUBRAMANIAN RAJENDRAN

Senior Product Manager, UiPath



The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract.

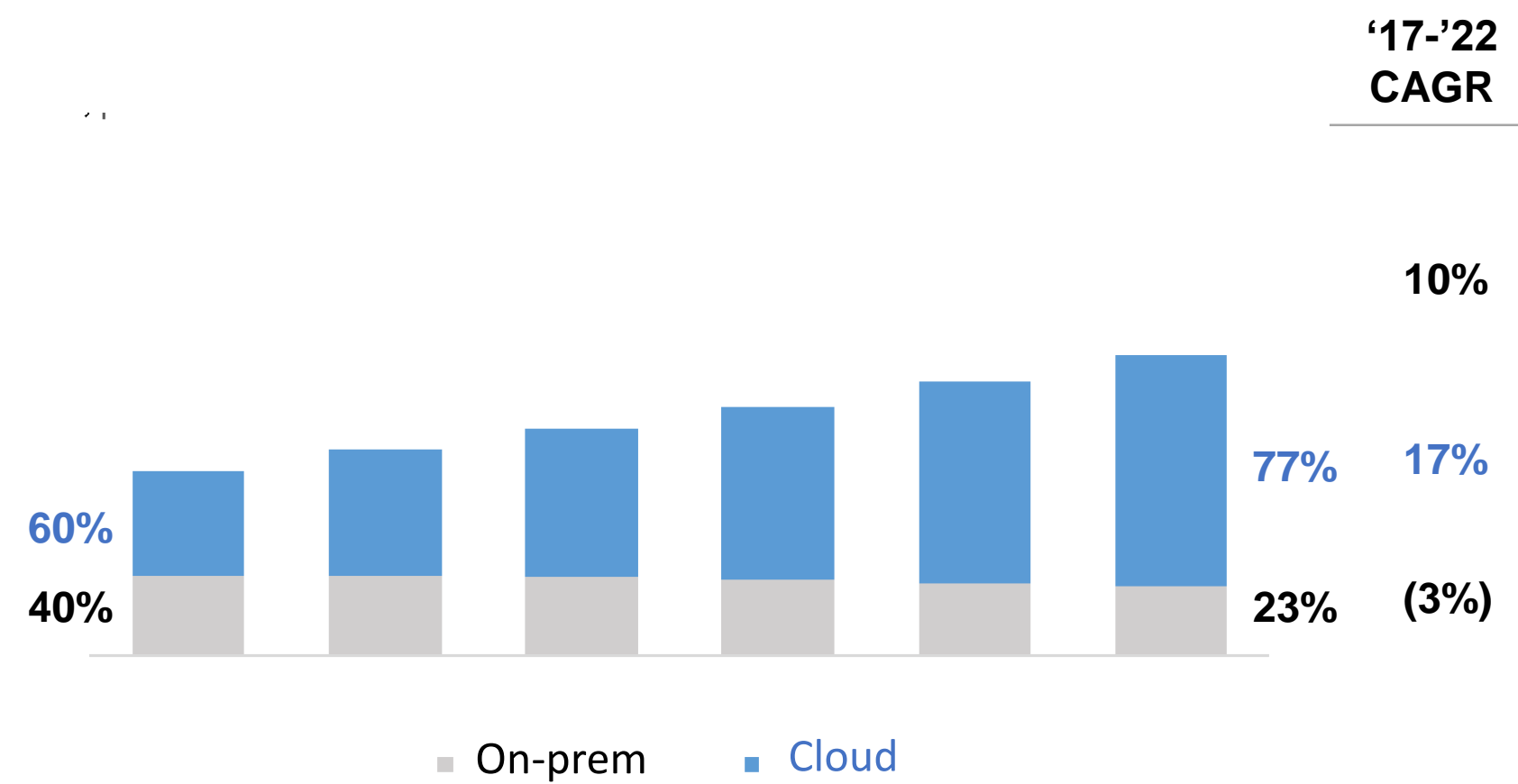
It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions.

The development, release, and timing of any features or functionality described for UiPath's products remains at the sole discretion of UiPath.

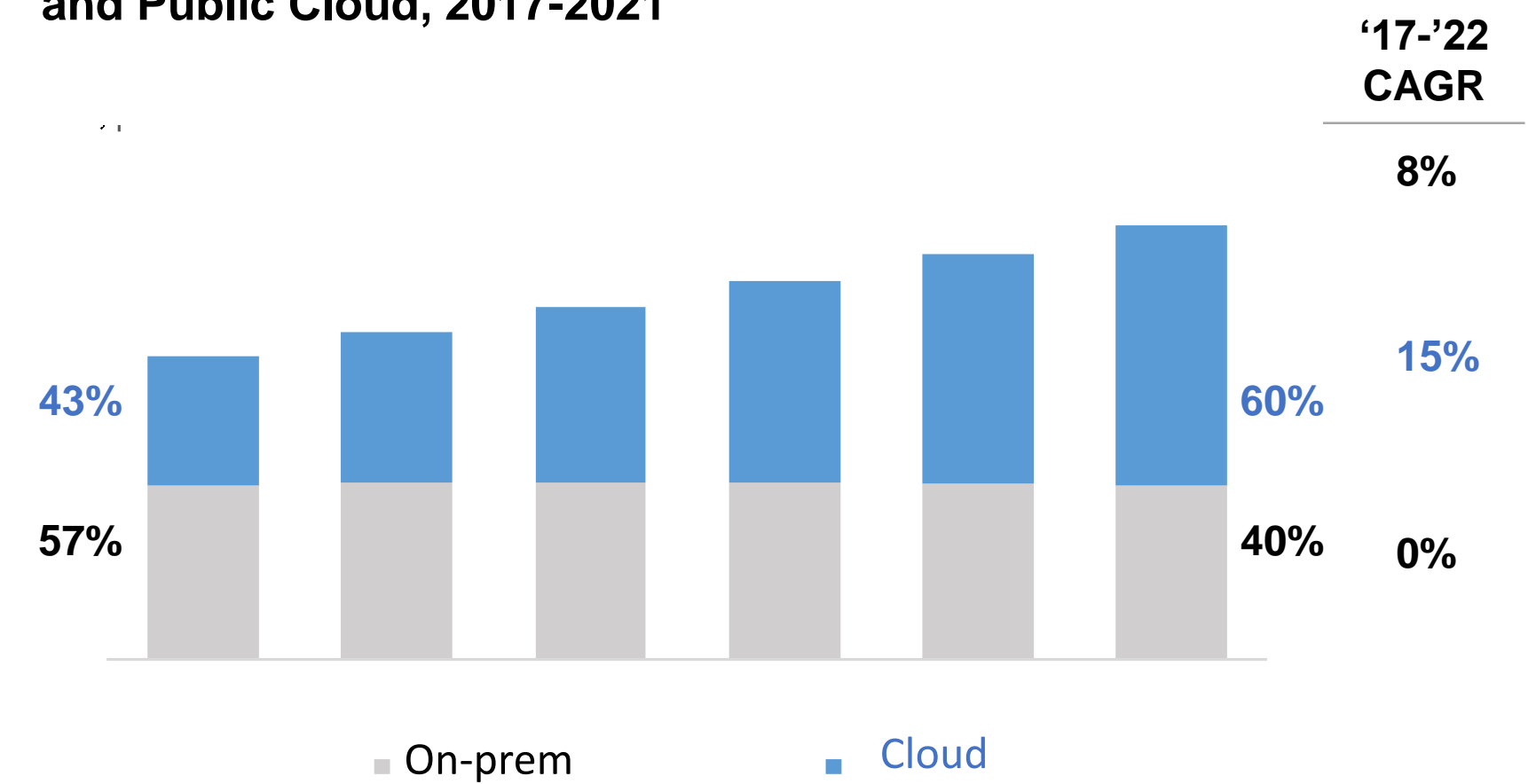
Disclaimer

Cloud adoption in relevant application markets is high

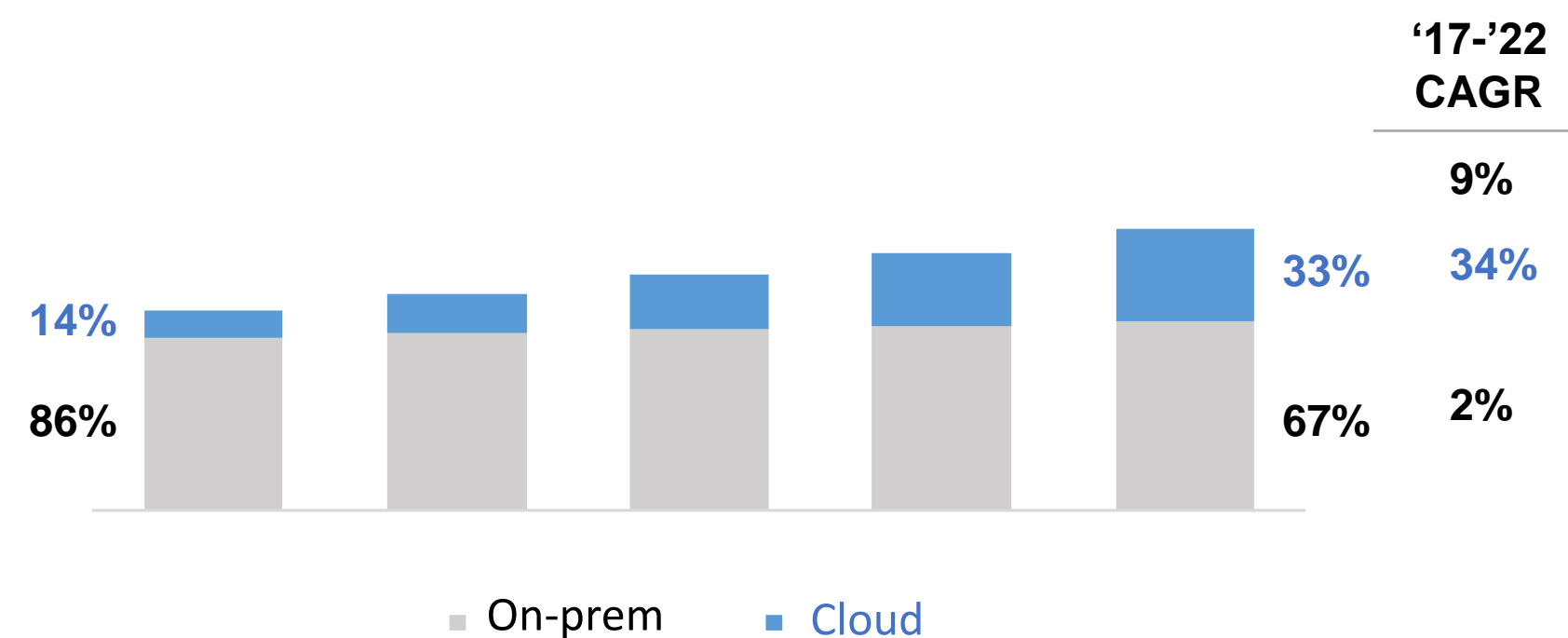
CRM Software Revenue by On-Prem and Public Cloud, 2017-2022



Enterprise Resource Management Software Revenue by On-Prem and Public Cloud, 2017-2021



Database Management Software* Revenue by On-Prem and Public Cloud, 2017-2022



- Cloud (aaS) is growing fast (15%-34%) in our relevant enterprise software segments
- Total cloud adoption is expected to be more than 60% in CRM and ERM software markets in 2022, and 33% in database management software market in 2021
- Clients already using public cloud hosted applications are more likely to choose Automation as a Service

Automation as a Service - Value for Customers



Start instantly with simple setup



Go from POC to production in days.



Scale easily as you grow with a complete platform



Trusted and always up to date



Automation as a Service - Value for Partners



Market segment expansion



Land and expand



Faster feature delivery

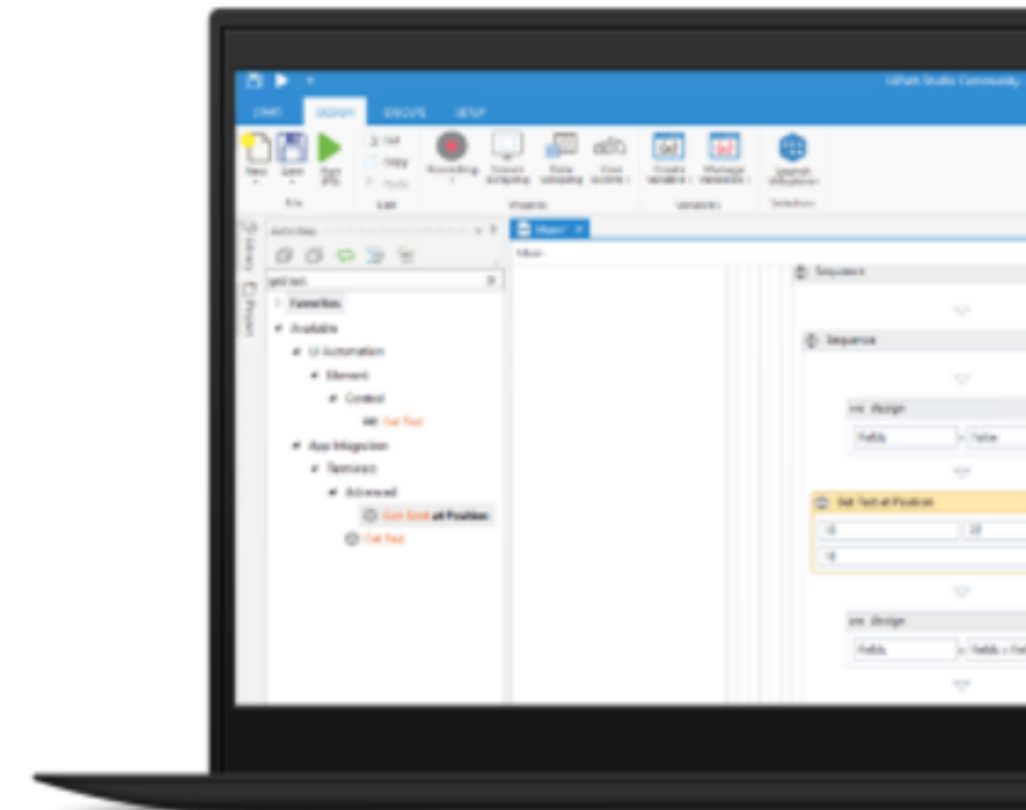
Community Edition -> Cloud

- Existing UiPath Community Edition uses will be migrated to Cloud
- All new signups of Community Edition will be through Cloud

The UiPath Community Edition

Fully featured, extensible and FREE to use by individual developers, Enterprises and other Legal Entities.

[GET COMMUNITY EDITION](#)



Plans

	Community Plan	Business Plan
Purpose	To provide a platform for any individual/organization to try out various capabilities UiPath has to offer before buying the Enterprise offering	To provide a platform where organizations can scale their automation efforts
Target Audience	Developers, Students, MVPs, People looking to re-skill, Universities, Non-Profit, SMBs < 1 mil	Enterprises

Sneak Peek



DASHBOARD



SERVICE INSTANCES



USERS



LICENSES



RESOURCE CENTER



SUPPORT

Dashboard

All Service Instances

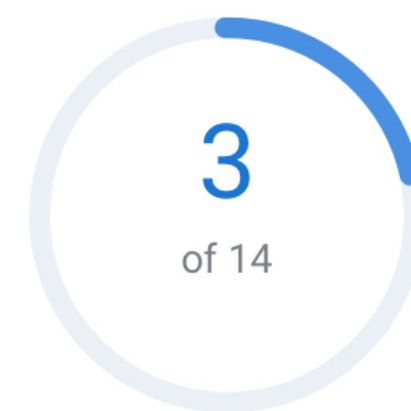
Licenses



Attended Robots



Unattended Robots



Studio



Non-production Robots

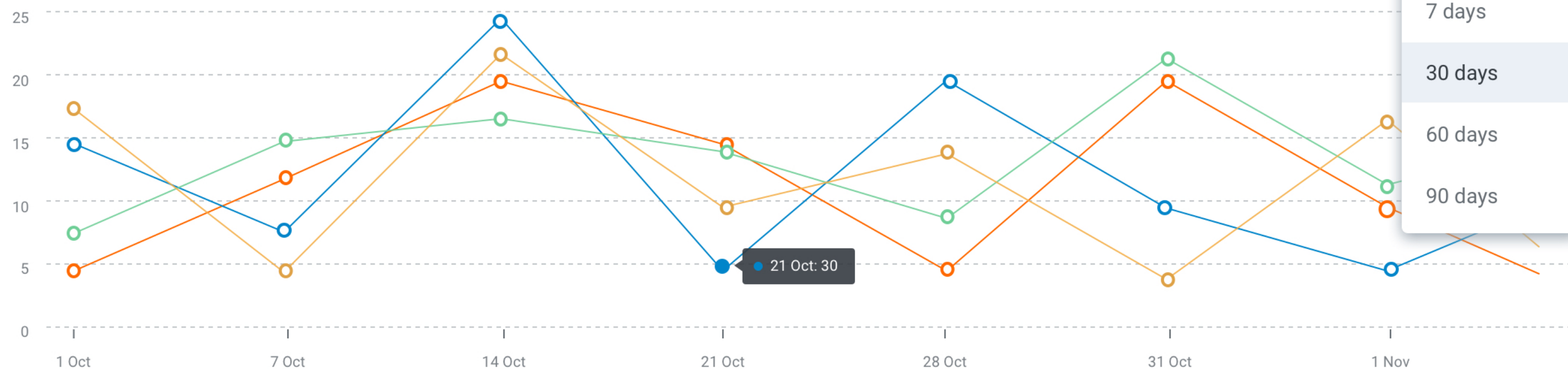


Service Instances

License Usage Trend

Attended Robots Unattended Robots Studio Non-production Robots

7 days



- 7 days
- 30 days
- 60 days
- 90 days



DASHBOARD

SERVICE INSTANCES

USERS

LICENSES

RESOURCE CENTER

SUPPORT







Service Instances

Search for Service Instance..

Add Service Instance












<input type="checkbox"/> Name ↕	Attended Robots	Unattended Robots	Studio	Non-production Robots	Status ▼	Action
<input type="checkbox"/> ABC	5	9	2	9	● Enabled	...
<input type="checkbox"/> XYZ	7	7	5	7	● In Progress	...
<input type="checkbox"/> DEF	1	1	21	1	● Enabled	...
<input type="checkbox"/> MNO	7	7	23	7	● Disabled	...
<input type="checkbox"/> XYZ	7	7	5	7	● In Progress	...
<input type="checkbox"/> DEF	1	1	21	1	● Enabled	...
<input type="checkbox"/> MNO	7	7	23	7	● Disabled	...

- Edit
- Enable**
- Delete

-  DASHBOARD
-  SERVICE INSTANCES
-  **USERS**
-  LICENSES
-  RESOURCE CENTER
-  SUPPORT

Users

[Invite Users](#)

<input type="checkbox"/> Name 	Email 	Role 	Last Active	Action
<input type="checkbox"/> Chinaza Akachi	chinaza.akachi@gmail.com	Owner	11 Oct, 2018	 
<input type="checkbox"/> Jesus Bañuelos	jesus@hotmail.com	User	Pending Invitation Resend	 
<input type="checkbox"/> Martín Abasto	astomartin@gmail.com	Admin	Pending Invitation Resend	 
<input type="checkbox"/> Miglena Tadic	tadic123@yahoo.com	User	12 Dec, 2018	 

- DASHBOARD
- SERVICE INSTANCES
- USERS
- LICENSES**
- RESOURCE CENTER
- SUPPORT

Licenses

Orchestrator Licenses

	Attended Robots - Named User Number of users using an attended robot exclusively.	10
	Unattended Robots - Runtimes Maximum number of unattended robots that will be executing back office processes simultaneously.	20
	Studio - Named User Number of developers using a studio robot exclusively.	3
	Non-production Robots - Runtimes Maximum number of non-production robots that will be executing non production processes simultaneously.	6







Service Instance Licenses

	Service Instances	3
--	--------------------------	----------

Subscription expires on:
30 Sep, 2019

[Renew Subscription](#)

[Add More Licenses](#)

-  DASHBOARD
-  SERVICE INSTANCES
-  USERS
-  LICENSES
-  **RESOURCE CENTER**
-  SUPPORT

Resource Center

Download Studio



UiPath Studio

Design your automations in an easy to use editor.

Version 1.0.9 [View release notes](#)

[Download](#)



Documentation Links

- [Cloud RPA](#)
- [Orchestrator](#)
- [Robot](#)
- [Studio](#)



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Orchestrator - APIs



MARIUS COSAREANU

**Principal Software Engineering
Manager, UiPath**



Orchestrator - APIs



MARIUS COSAREANU

**Principal Software Engineering
Manager, UiPath**



CRISTI PUFU

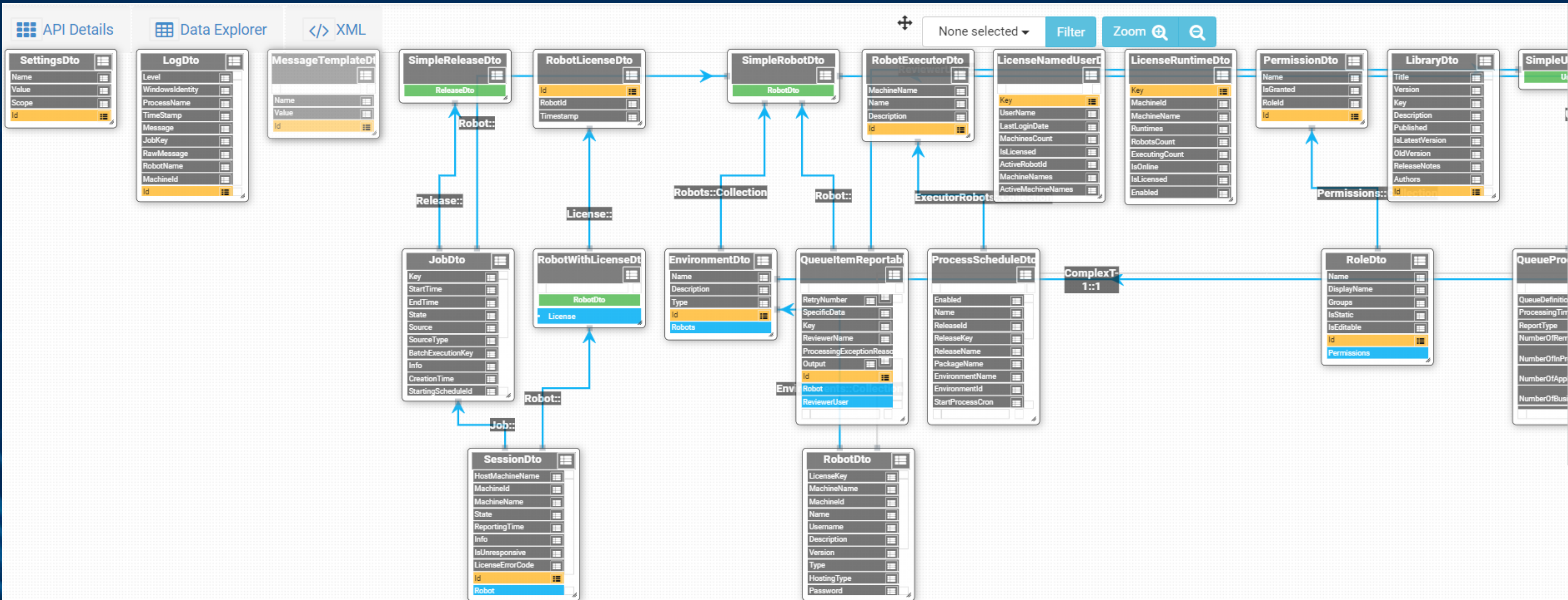
**Principal Software Engineer,
UiPath**



Orchestrator API & OData

- RESTful API via OData
- Anything is possible
- Schema can be interpreted by various tools
- <https://pragmatika.com/xodata>

OData Entities



Swagger

- Visualise and interact
- Documented endpoints
- Input & Output of each endpoint
- Don't worry about authentication

Authentication

- Basic Authentication
- Windows Authentication
- Azure AD
- SAML 2.0
- Google

API Authentication

- Basic Authentication
- Windows Authentication
- Bearer token expires in 30 minutes
- Windows authentication doesn't expire

API Examples

- Start Job
- Upload Package
- Organization Units
- Status endpoint
- Add Queue Item

AutoRest

- API Generated Client
- Handles Authentication
- C#, Node.js, Java, Python, Ruby etc.

Webhooks

- Available since 2018.4
- Integrations
- Secure
- Chaining processes

THANK YOU!



Bengaluru

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The logo for UiPath, featuring the letters 'Ui' inside a white square, followed by the word 'Path' in a white sans-serif font. The background is a dark blue gradient with a pattern of white, wavy, overlapping lines that create a sense of motion and depth.

UiPath



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