# Integrating RPA with App Connect

Use Case: Customer Refunds











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outthink limits

# New – RPA in App Connect

IBM Cloud Paks / IBM Cloud Pak for Integration / 2021.1 /



#### What's new in the current release

#### New features

IBM Cloud Pak® for Integration version 2021.1.1 adds these enhancements and new capabilities:

#### - IBM Automation foundation

This new offering enables the creation, deployment, and optimization of enhanced automation and AI features.

#### Deploys robotic process automation (RPA) capabilities

This integration option enables the deployment of RPA features for screen scraping and metadata inference that extract data from legacy applications.

#### Adds ability to use Process Mining

In the many integrations deployed in Cloud Pak for Integration, which comprise multiple steps, there may be opportunities for improvement. However, it can be difficult to understand where inefficiencies exist. Process Mining is an additional component that can identify areas where inefficiencies exist and can suggest improvements.



# Why RPA?

App Connect glues systems together.

BUT what about legacy systems?

RPA allows App Connect to access legacy systems

RPA bypasses APIs and goes in via the standard user interface.



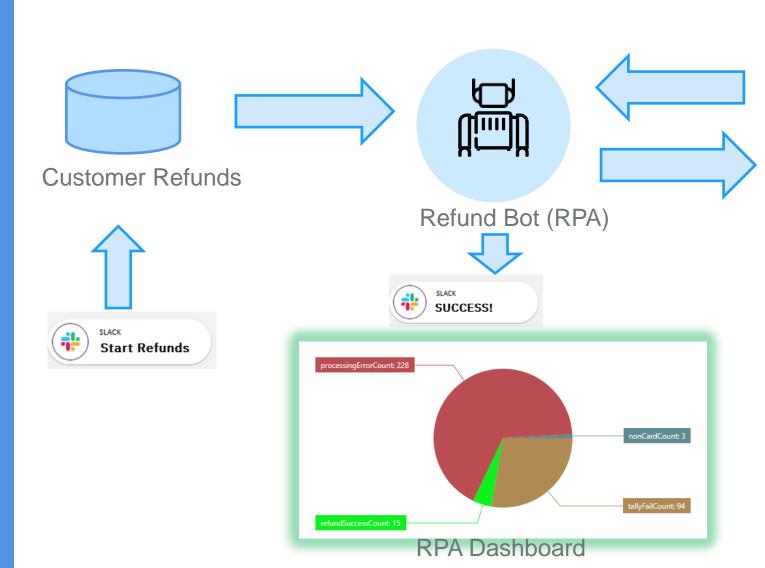
# Real Example: Customer Refunds

- Travel company affected by Covid
- Overloaded issuing manual refunds
- Refunds could not be automated through API as it did not exist!
- Solution was to automate using RPA

This use case combines IBM RPA and App Connect on IBM Cloud

## Real Example: Customer Refunds





<	Refund Ticket		Abort
CANCELLED - XXB00002 - 16/02/21			
Manual Overrides			
Override reason:	(D) Displaced Passenger	Overridden by: ChrisCT	
Override description:	Covid		
Override of refundable amount is not currently allowed for amended tickets			
Select refund type	Manual refund	Original payment method	
Refund across multiple payment types required. All or a portion of this refund must be processed outside of this application			
Summary of refund			
Previously paid  Extras	£25.00 £25.00 ×		
Refund to NX Credit Ager Total Refundable	et -£25.00 -£25.00		

Web Site

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## IBM.

# Demo

**FocusCorpRefunds** 

# App Connect and RPA Opportunities



#### **Customer has App Connect and systems with no API**

Use RPA with App Connect if you need to connect to systems without APIs

#### **Customer has RPA and complex integration**

Use App Connect with RPA if you have complex integration requirements

### IBM RPA

Product

Capabilities



#### Unattended/Attended bots

- Unattended automate repetitive tasks without human intervention.
- Attended Enables human workforce to augment work using bots



#### AI Capabilities

- Drag and Drop AI Commands for extraction, machine learning implementation, and applied knowledgebase AI
- Train Machine Learning engines in a straightforward native manner within Studio



#### Intelligent virtual agent (IVAs) chatbots

 Combine chat and RPA commands to create chatbots through multiple channels that can provide engaging client interactions.



#### **Concurrent Execution**

 Allow for multiple bots to run on the same machine at the exact same time.

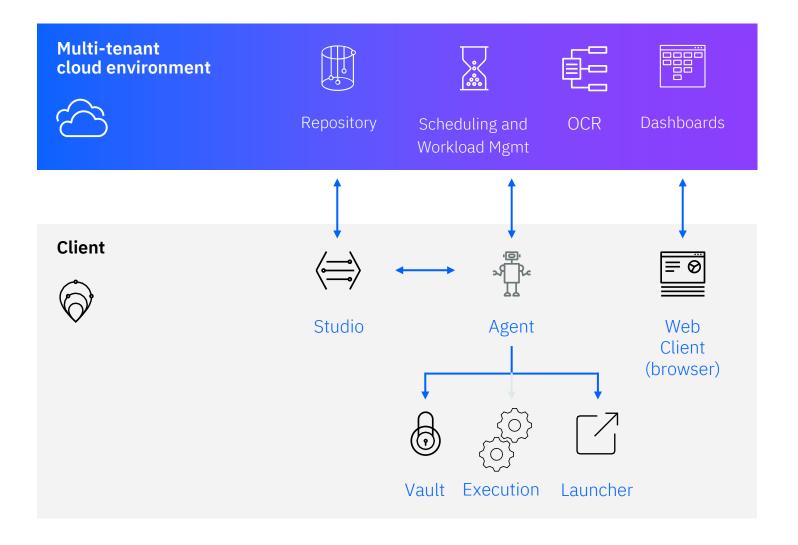


#### Dashboards

- Gain business insights into business operations.
- Prebuild the dashboards with included easy-to-use creator

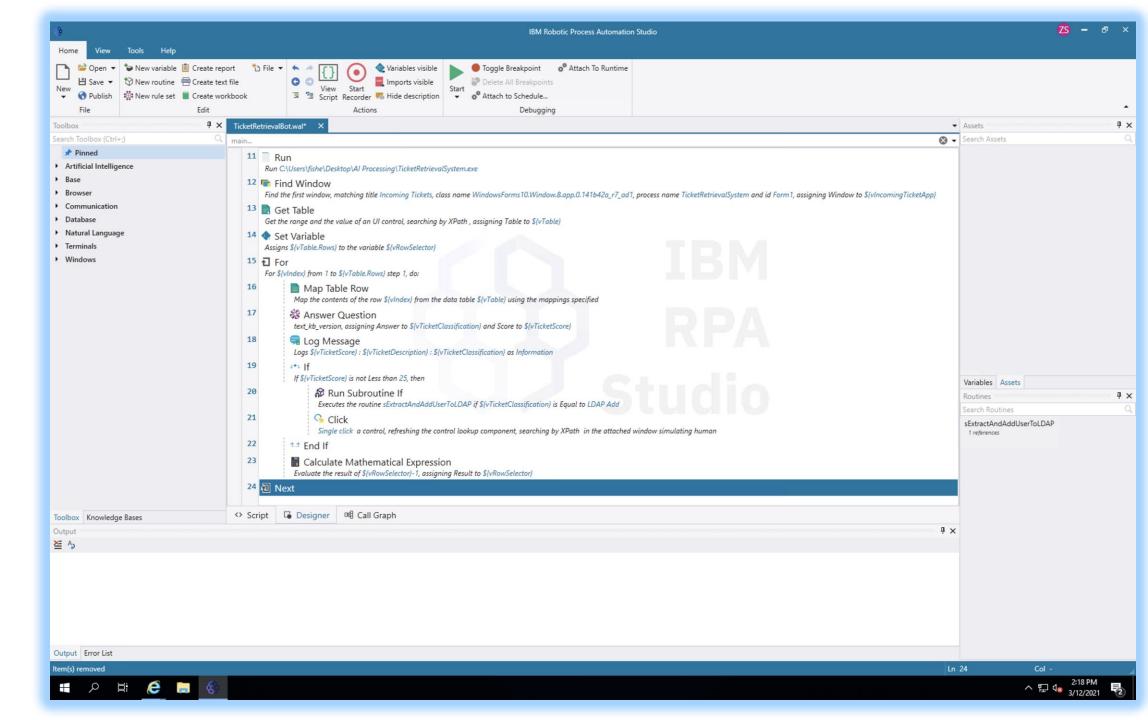
#### IBM RPA as a Service

High level architecture:



#### IBM RPA

#### Studio



# IBM RPA Differentiators

01

Ease of Use

Low-code enables business users to build bots

02



Integration Points

Integrates with most IBM Cloud Paks, including CP4I.

03





AI Processing

Native NLP and easy to use interface to build an exposable chatbot for both internal and external usage

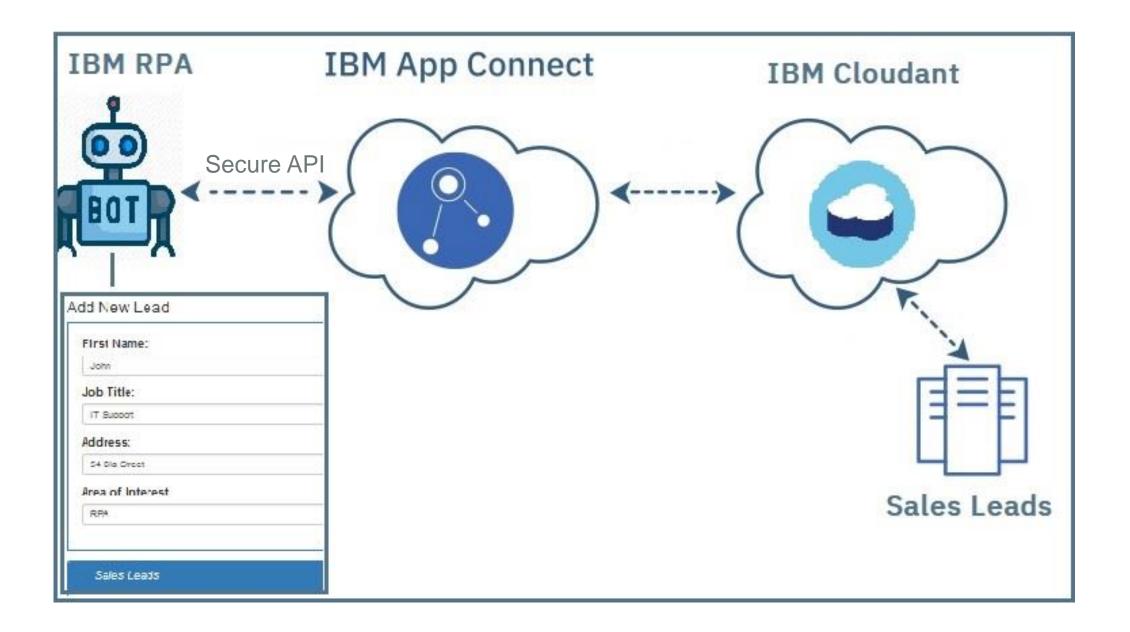
04



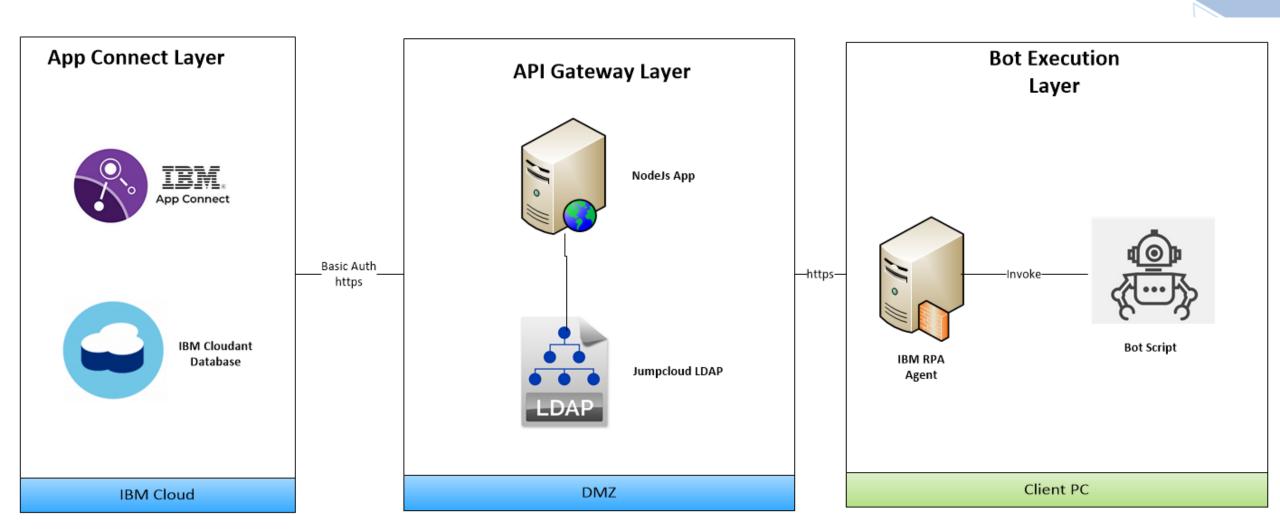
Cost Savings & Scalability

Concurrent Execution allows for "doing more with less". Grow without infrastructure.

#### Lab Solution Architecture



## RPA Enhanced Security Architecture



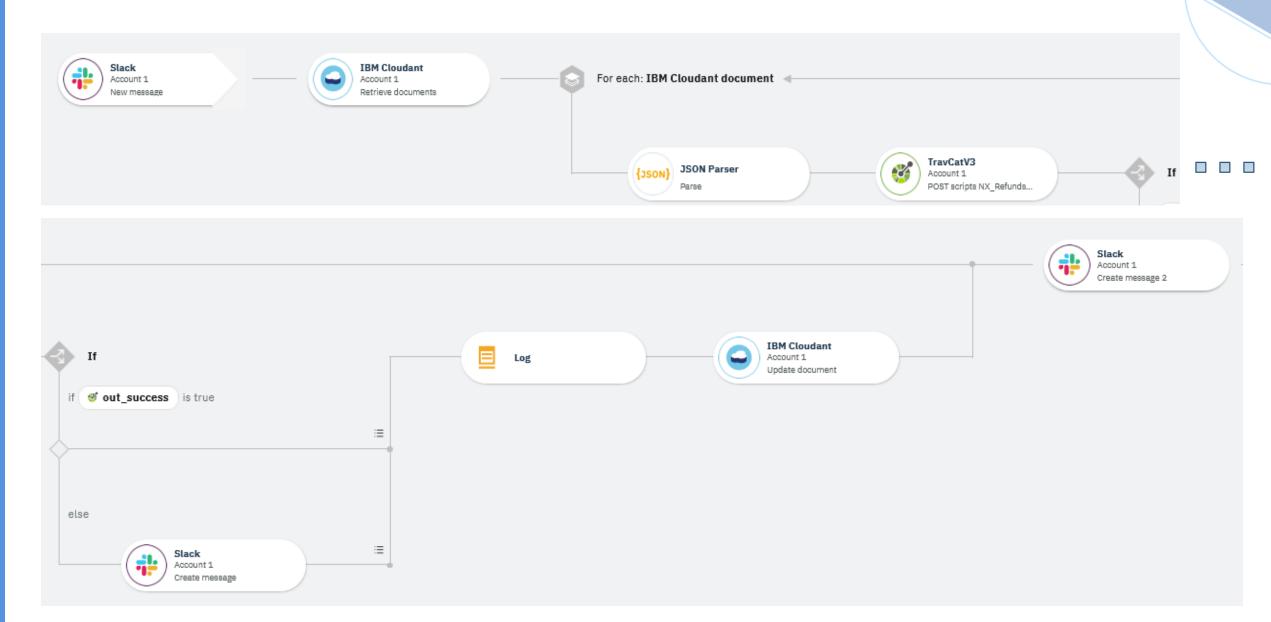


Runs a script on a RPA agent specified in the URL. All requests are authenticated using Basic Auth. These credentials are validated against an LDAP server Try it out **Parameters** Name Description script \* required Bot script name to run. This script must be published on the tenant belonging to the host string (query) script - Bot script name to run. This script must be publish host \* required URL of the RPA agent. If host is LOOPBACK then 202 always returned to simulate a succesful bot run. If host is a URL, it string must point to an RPA agent. It can point to either port 8099 (Direct) or 8096 (Broker). Script parameters are passed in the request body. See documentation https://www.ibm.com/docs/en/rpa/20.12?topic=bot-starting-bots-by-api-ca for more (query) details host - URL of the RPA agent. If host is LOOPBACK then 20: unlockMachine \* required True if unlock False otherwise string (query) unlockMachine - True if unlock False otherwise RequestBody \* required Default object Example Value | Model (body) inputParameterName: inputParameterValue Parameter content type application/json



## Implementation of flow in App Connect





# Summary

## IBM.

#### **Advantages**

- Build App Connect flows to connect to API-less systems via the human interface
- Use RPA for what it does best automate human actions and not complex orchestration

#### **Disadvantages**

- RPA can already do what App Connect does (but complex)
- Management of the bot is delegated to App Connect
- Two products means two systems to manage, two log files etc.



# **End of Presentation**



# App Connect with RPA Lab