

# Microsoft Power Automate

Intelligent business automation

Ahmad Najjar – Senior consultant,  
Infoworker





# About Me

- Ahmad Najjar (aka. The Flow Jedi)
- Senior Consultant @ Infoworker
- Business Applications MVP
- Passionate and enthusiastic developer heart and soul
- +14 years of experience in SharePoint
- SharePoint PnP & PowerShell
- Power Automate, PowerApps and Logic Apps
- SPS Oslo Co-organizer



@ahmadn82

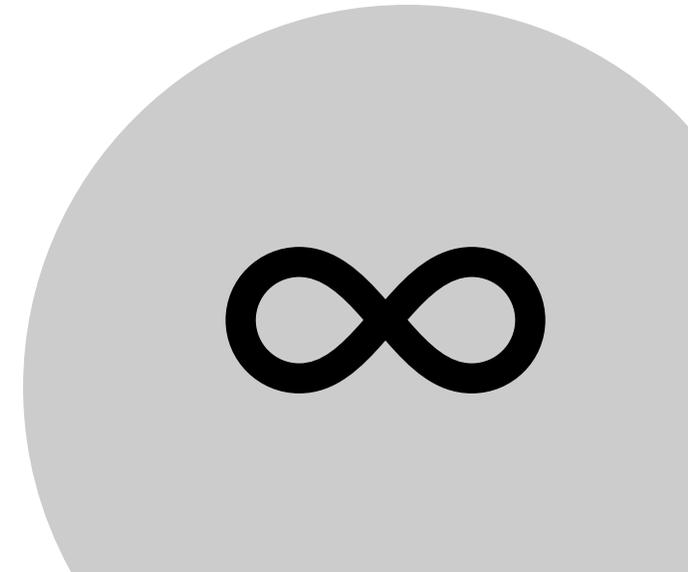
# We are human

We excel at creative and strategic thinking.

Our potential is limitless

Our time is not.

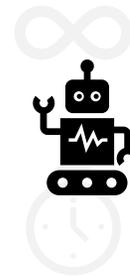
We face an increasing speed of business and customer expectations.



# We are robots



We excel at creative and strategic thinking



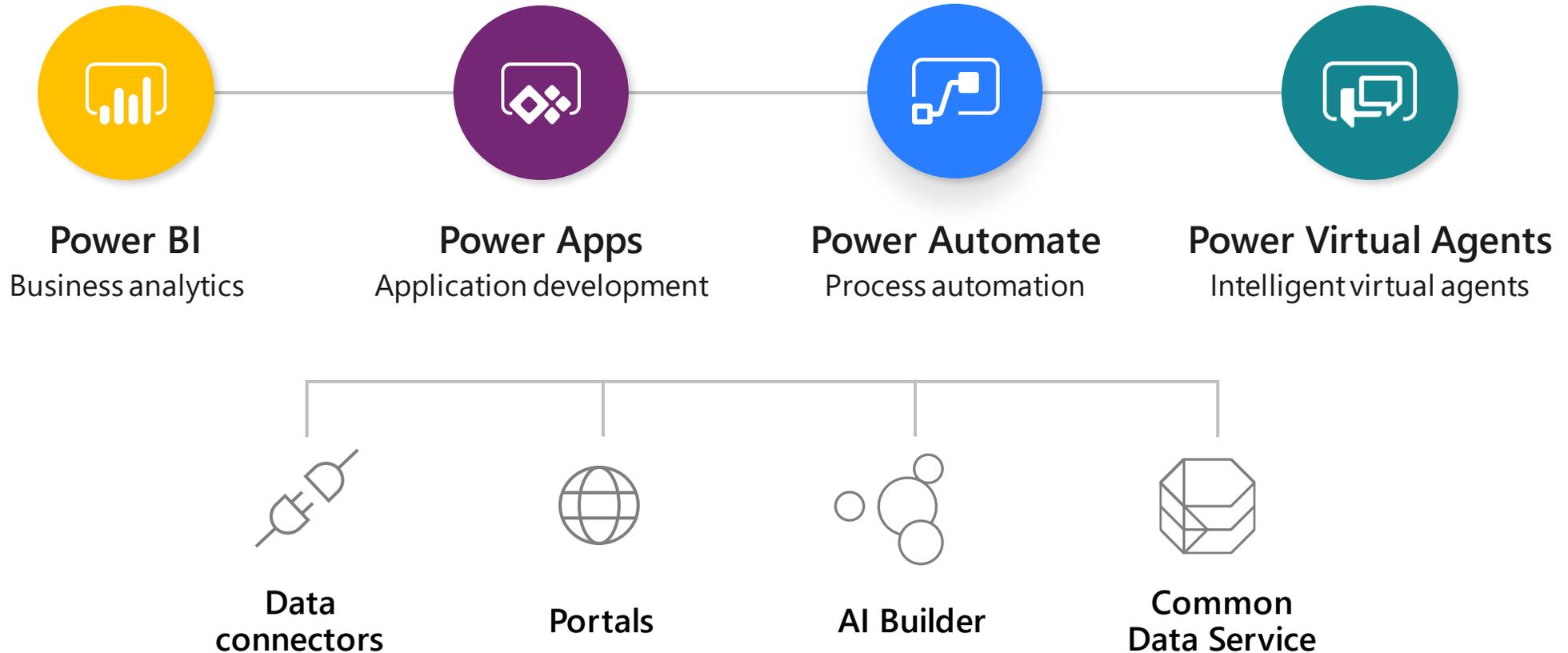
Our potential is limitless  
We spend too much of our time performing repetitive tasks  
Our time is not



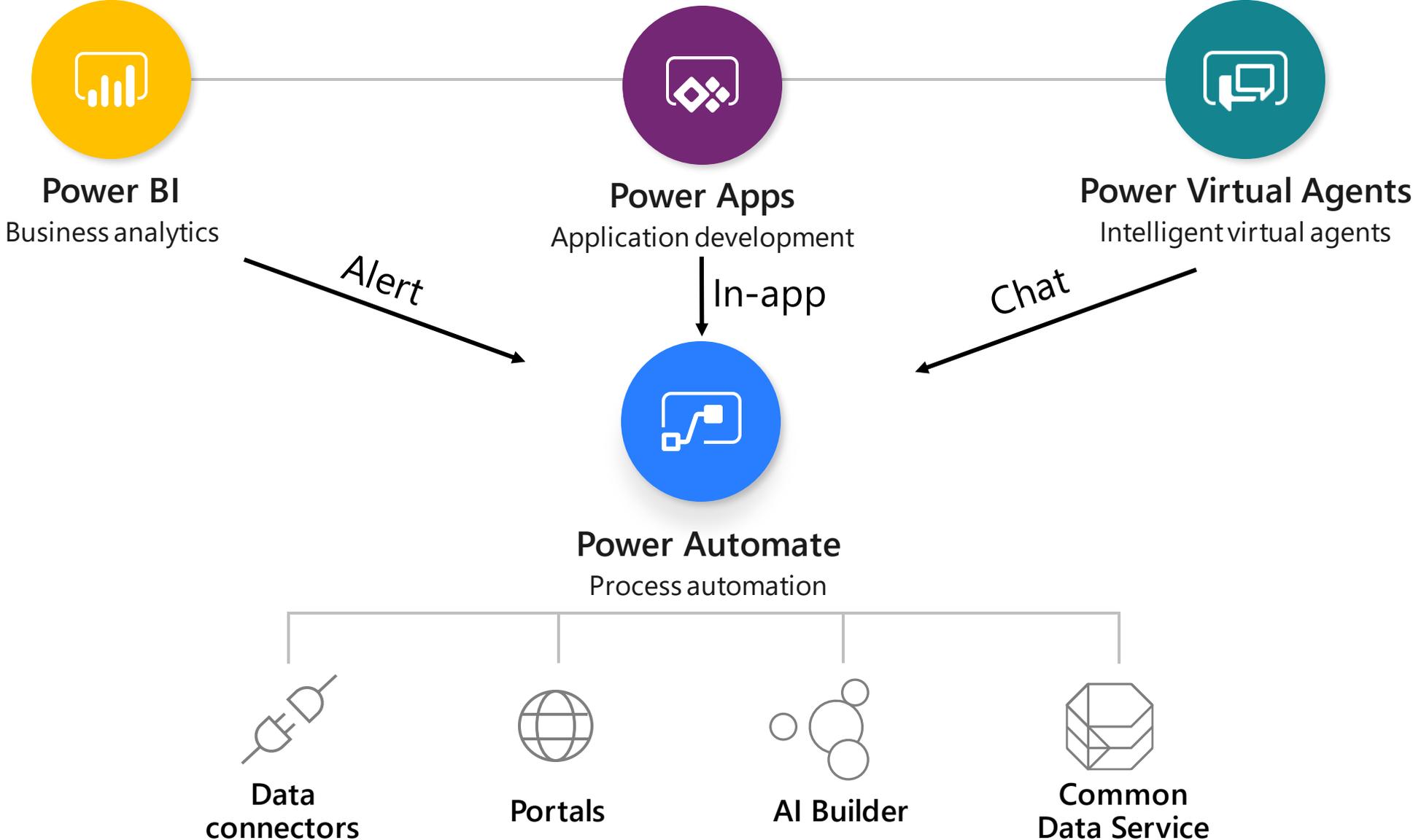
We face an increasing speed of business and customer expectations

# Microsoft Power Platform

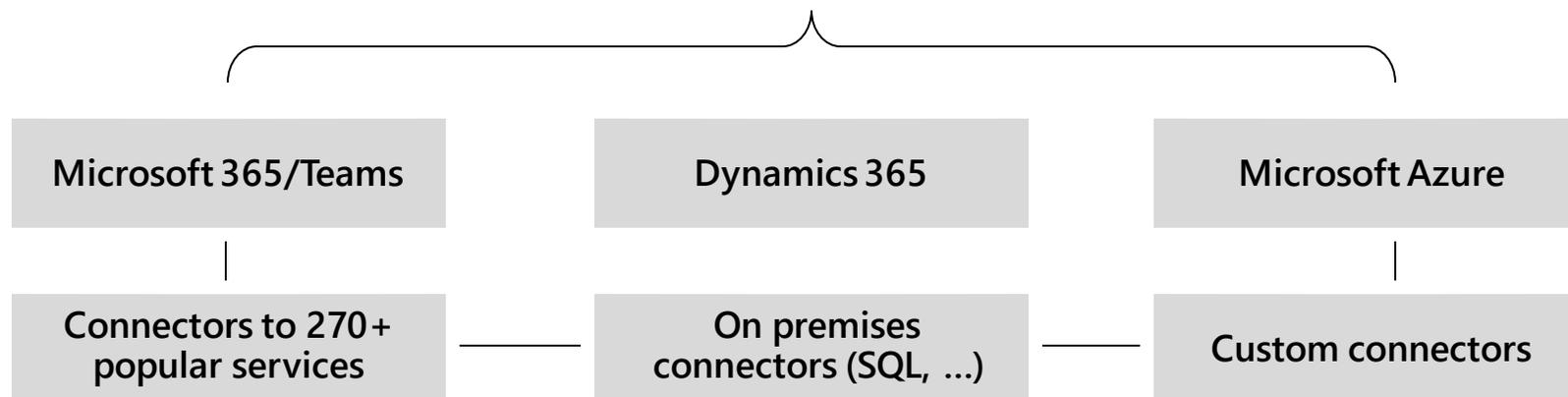
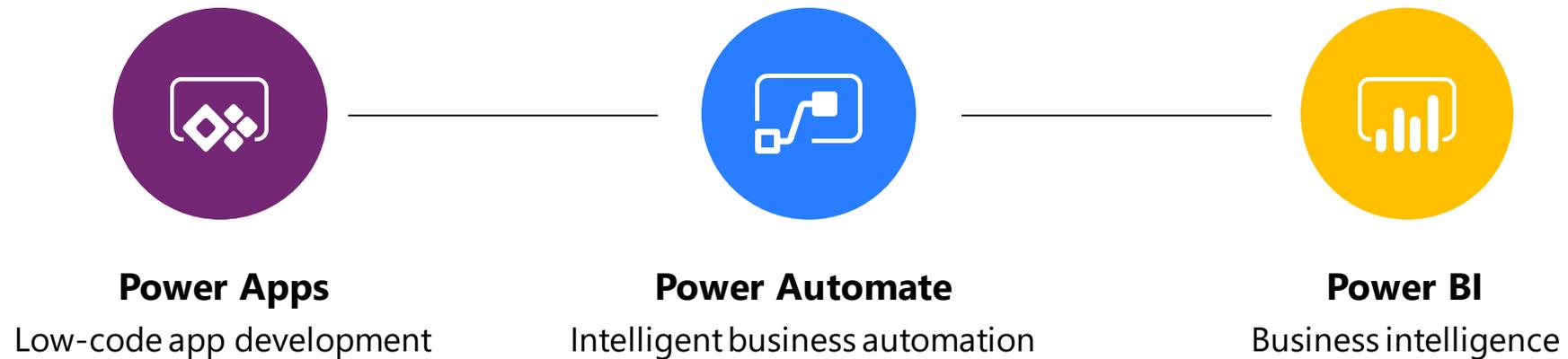
The low-code platform that spans Office 365, Azure, Dynamics 365, and standalone applications  
**Innovation anywhere. Unlocks value everywhere.**



# Individually valuable, better together



# Integrate automation across the Microsoft ecosystem and beyond





# Power Automate: Automation for all

**IT pros and developers** can automate faster than with code.

```
1 {
2   "kind": "ApiConnection",
3   "splitOn": "@triggerBody()['rows']",
4   "inputs": {
5     "schema": {
6       "type": "object",
7       "properties": {
8         "rows": {
9           "type": "array",
10          "items": {
11            "type": "object",
12            "properties": {
13              "text": {
14                "title": "Input1",
15                "type": "string",
16                "x-ms-dynamically-added": true,
17                "description": "Test input",
18                "x-ms-content-hint": "TEXT"
19              }
20            }
21          },
22          "required": [
```

Done

Get messages (Preview) ...

- 1 [+ Create custom connector](#)
  - 2 [Import an OpenAPI from URL](#)
- Create from blank
  - Import an OpenAPI file
  - Import a Postman collection

# Power Automate's automation offering



Automate [cloud / on prem services \(APIs\)](#)

Flow connectors & actions



Automate [human-in-the-loop processes](#)

Business process flows & Approvals



Automate [cognitive & intelligent processes](#)

AI Builder



Automate [legacy applications \(preview\)](#)

UI flows

# Word Connector

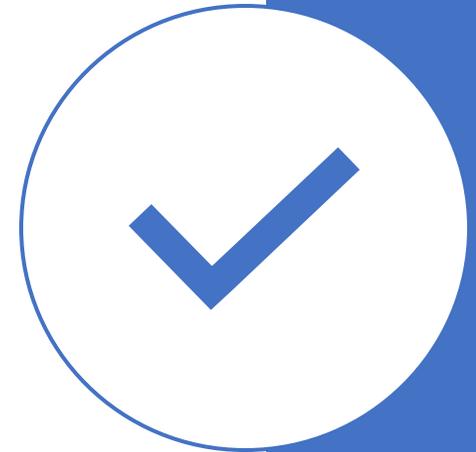
- **Convert Word Document to PDF**
- **Populate a Microsoft Word template**



# Word Connector

- **Currently Supported Content Controls**

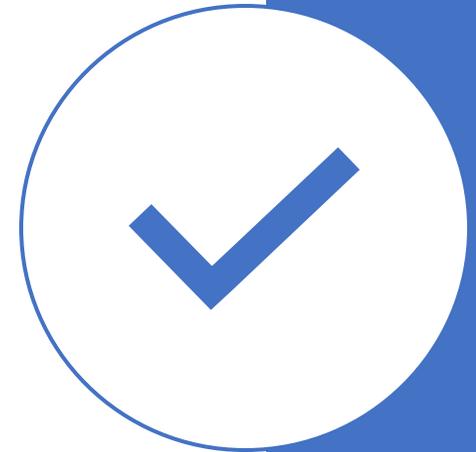
- Plain Text Content Control
- Combo Box Content Control
- Drop-Down List Content Control
- Image Content Control
- Repeating Section Content Control



# Word Connector

## Known issues and limitations

1. The Microsoft Word (Business) connector doesn't currently support the following content controls:
  1. Rich Text Content Control
  2. Building Block Gallery Content Control
  3. Date Picker Content Control
  4. Check Box Content Control
  5. Legacy form controls
2. The generated document has a size limit of 10 MB.
3. Nested image content controllers are not supported.
4. Developer tab is not available on Word online.
5. Template creation in Word for Mac is not supported.



A dark, irregular ink blot with the word "Demo" written in white in the center. The blot is surrounded by a light, textured background with scattered dark specks.

Demo



# UI flows: automate legacy applications

- Upcoming feature that brings RPA to Flow.
- Robotic Process Automation (RPA) automates applications via record and playback user actions on software UX.
- Mimics user interactions faster and more reliably than humans.
- Public preview at Microsoft Ignite, Nov. 4, 2019.

# UI flows Public Preview

- **Attended** on-premises app automation (user signed in on device)
- **Unattended** (private preview)
- **Windows apps:** local agent, edit in Flow
- **Browser:** Chrome & Edge Chromium.  
Open source Selenium IDE for recording & editing, playback using Selenium.
- UI flows stored in **Common Data Service**, invoked by **Microsoft Flow**  
Under IT governance with state-of-the-art security.

A dark, irregular ink blot with the word "Demo" written in white in the center. The blot has a textured, splattered appearance with some lighter areas around the edges. The word "Demo" is centered within the blot in a clean, white, sans-serif font.

Demo



Process Simple Partners - RPAFiles

microsoft.sharepoint.com/team... Paused

SharePoint Search this library

Process Simple Partners  
Private group | Highly Confidential  
228 members

Open Share Copy link Download Save for later 1 selected All Documents

RPAFilesDemo

Name	Modified	Modified By	
michelle_lokay_26620_1...	42 minutes ago	Ashvini Sharma	
peter_keavey_28753__Trader & Products S...	42 minutes ago	Ashvini Sharma	
rick_buy_32830__Summary Oct 01.xls	42 minutes ago	Ashvini Sharma	
scott_neal_38008__Trader & Products 5-8-...	42 minutes ago	Ashvini Sharma	
stacey_white_39052__Summary Oct 15.xls	42 minutes ago	Ashvini Sharma	
thomas_martin_39650__Traders 2-14-01 E...	42 minutes ago	Ashvini Sharma	
tracy_geaccone_40281__EMNNG01CE.xls	42 minutes ago	Ashvini Sharma	
vkaminski_40690__Amod2.xls	42 minutes ago	Ashvini Sharma	

Manage your flows | Microsoft Flow

us.tip1.flow.microsoft.com/manage/environments/2c5446b6-0166-4558-9145-b0318e0f431f/uiflows Paused

Microsoft Flow Search ...

My flows

My flows Team flows Business process flows UI flows (preview)

Name	Modified	Type
hello	2 h ago	Win 32
SdarapuEtest	4 h ago	Win 32
Sdarapuxceltest1009	4 h ago	Win 32
Sdarapucaltest1009	4 h ago	Win 32
Sdarapucaltest1009	5 h ago	Win 32
asdasdasd	7 h ago	Win 32
SdarapuExcel1009_1	7 h ago	Win 32
SdarapuExcelTest1009	7 h ago	Win 32
sdfsdfsd	9 h ago	Win 32
01Teams	10 h ago	Win 32
test5	12 h ago	Web (Selenium)



Selenium IDE - test\*

Project: test\*

Tests +

Search tests... http://xe.com

test*	Command	Target	Value

Command  #

Target

Value

Description

Log Reference

Browser - Currency Exchange.xlsx X Process Simple Partners - Test so... X

microsoft.sharepoint.com/\_x/r/teams/prosipart/\_layouts/15/Doc.aspx?sourcedoc=%7B5C19DB86-4C6B-4D...

Excel Process Simple Partners > Test scenarios Browser - Currency Exchange - Saved Simplified Ribbon Ashvini Sharma

File Home Insert Data Review View Help Open in Desktop App Tell me what you want to do Share Comments Catch up

Row ID	Quantity	Price per unit	Source	ExchangeRateUsed	USD	Exchange rate date t	Amount
1	100	10.21	USD	1	\$10.21	2019-10-14T02:11:02.8	1021
2	200	34.12	GBP	1.25932	\$42.97	2019-10-14T02:11:56.2	8593.6
3	124	9.12	INR	0.014088	\$0.13	2019-10-14T02:12:49.6	15.93184
4	124	92.30	USD	1	\$92.30	2019-10-14T02:12:50.9	11445.2
5	120	31.91	INR	0.014088	\$0.45	2019-10-14T02:13:44.0	53.94577
6	194	20.10	EUR	1.10272	\$22.16	2019-10-14T02:29:18.6	4299.946
7	191	12.00	GBP		\$0.00		0

Sheet1



Thank you