

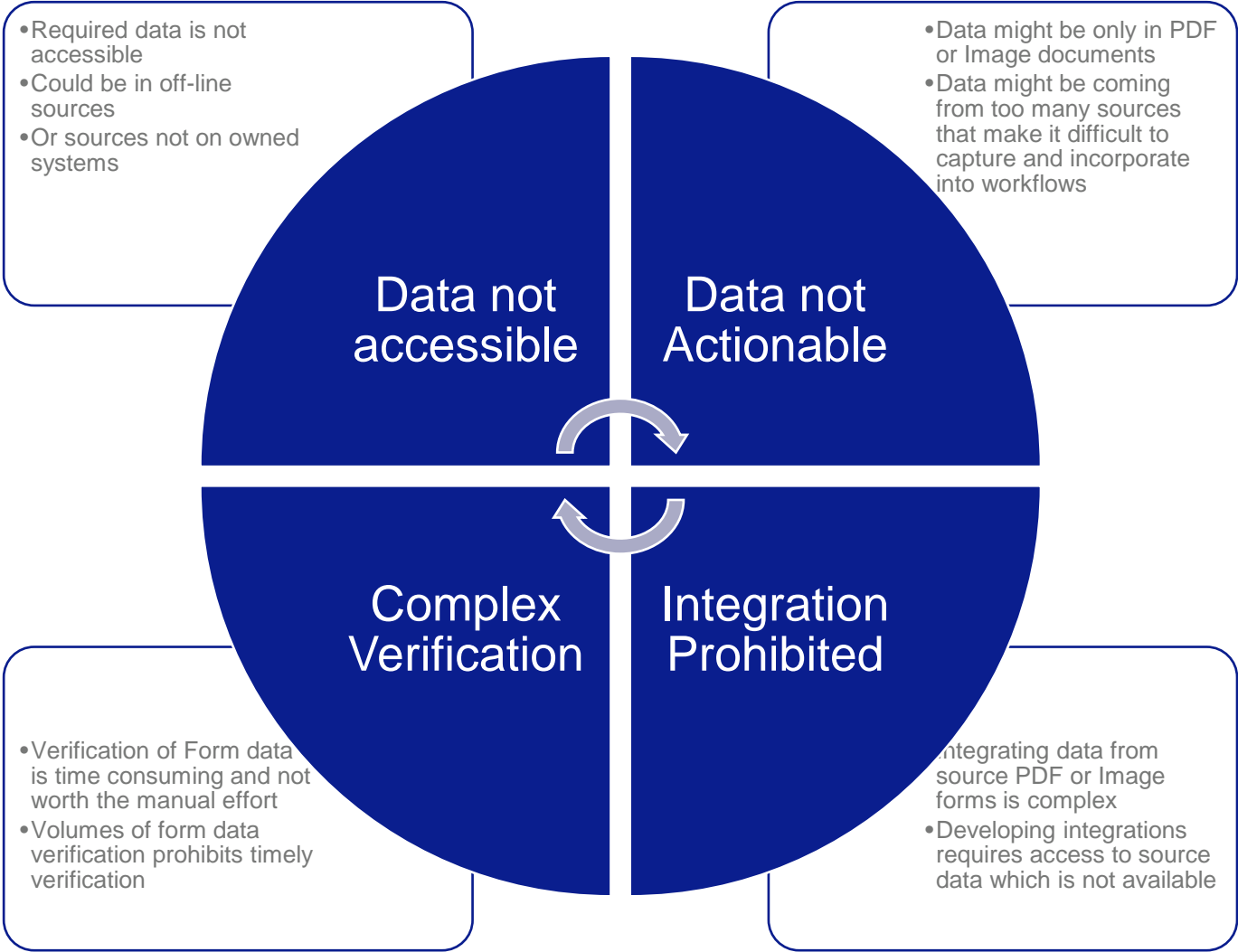
Mazars Microsoft Practice

Datapath Intelligent Form Capture (IFC)

PDF Form-Image Capture to Data Automation



Business Problem



Datapath Intelligent Form Capture Automation Solution



Solution Explained

What is Deep Learning

- Deep learning is part of a broader family of machine learning methods based on artificial neural networks with representation learning. Learning can be supervised, semi-supervised or unsupervised.

What are Azure Cognitive Services

- Cognitive Services brings AI within reach of every developer—without requiring machine learning expertise. All it takes is an API call to embed the ability to see, hear, speak, search, understand, and accelerate decision-making into your apps.



Cognitive Services

Modern Cloud Technical Architecture



AZURE COGNITIVE
SERVICES FORM
RECOGNIZER



.NET CORE (C#)



AZURE
FUNCTIONS



AZURE SQL



POWER BI

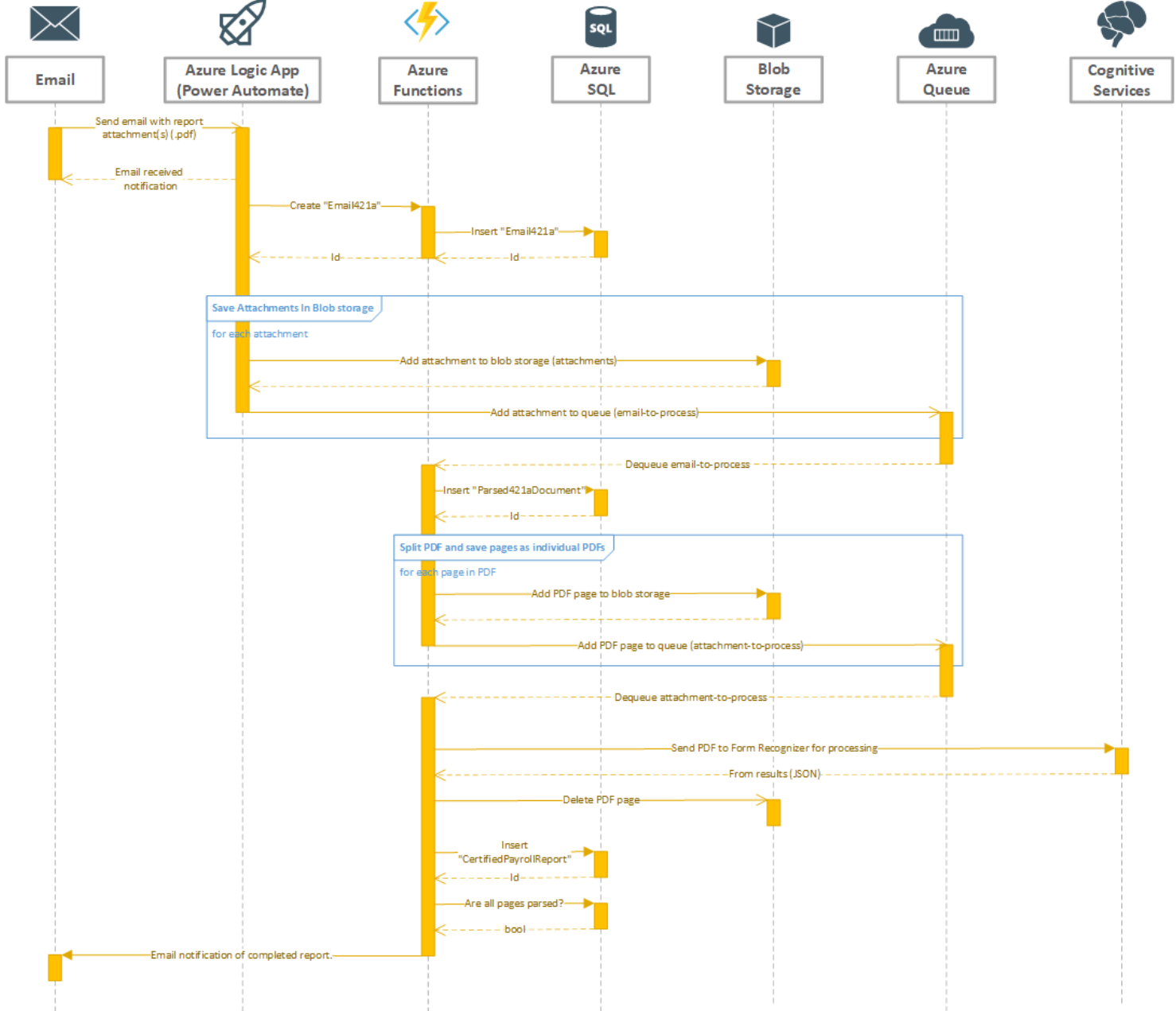


POWER
AUTOMATE



POWER APPS

Application Architecture and Process Flows



Process Dashboard allows monitoring of submission processing

mazars Datapath IFC 🔍 🏠

Document Dashboard

- Submit PDFs for processing
- Excel Summary
- Process Dashboard
- Contractor Manager
- User Manager

Documents Dashboard

File Name	Uploaded Date	Contractor	Uploaded By	Reports	Workers	Issues	Resolved	Document State	
Mr.Regular Final.pdf	9/7/2021 1:45:58 PM	Mr Regular LTD	nick.shepherd@mazarsusa.c...	6	0	0	0	Processing	🗑️
Handshake0903.pdf	9/7/2021 1:45:49 PM	Handshake Masonry	nick.shepherd@mazarsusa.c...	1	3	0	0	Processed	🗑️
Handshake0910.pdf	9/7/2021 1:45:49 PM	Handshake Masonry	nick.shepherd@mazarsusa.c...	2	6	2	0	Processed	🗑️
Bennett SteamFitters CPR May 2021.pdf	9/7/2021 1:45:36 PM	Bennett Steamfitters	nick.shepherd@mazarsusa.c...	3	12	0	0	Processed	🗑️
LegacyDataBaseline.xlsx	9/7/2021 1:40:11 PM	High-voltage Electricians		1	10	0	0	Legacy Data	🗑️

20 ▾ |<< 1 - 5 of 5 >>|

Clicking data field automatically snaps to/zooms into image area for fast visual identification

mazars Datapath IFC [Mr.Regular.Final.pdf](#) > Mr. Regular Construction - 09-03-2021 > Jake Johnson

Show Only Errors? [Icons]

Mr. Regular Construction 09-03-2021
 ○ Jake Johnson

Mr. Regular Construction 09-03-2021
 ○ Hank Haney

Mr. Regular Construction 09-03-2021
 ○ Dan Daniels C.

Mr. Regular Construction 09-03-2021
 ○ Hank Parser

Mr. Regular Construction 09-10-2021
 ○ Charley France

Employer Name (Read Only)
Mr. Regular Construction

Payroll Number
1

Project Name
Mazars USA NYO Buildout

Prime Contractor
NY Construction Corp

Week Ending Date
09/03/2021

1 << 1 of 6 >> |

Worker

Name
Jake Johnson

Address
539 Orange Avenue Westbury, NY 11568

SSN (Last 4 Digits)
[Redacted] ⓘ

Trade Classification
Trade Class 3 -Union Local #

Union Local Number
Trade Class 3 -Union Local #3

Is Journeyperson?

Is Apprentice?

Standard Total Hours
35.5

Overtime Total Hours

Standard Rate Of Pay
42

Overtime Rate Of Pay
61

Gross Pay
1491

Standard Fringe Benefits
51.56

Overtime Fringe Benefits
49.5

1 << 3 of 42 >> |

XXX-XX-4599	J <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/>	O	T				
Adam Andler 121st Avenue New York, NY 10036 XXX-XX-9955	J <input type="checkbox"/> A <input type="checkbox"/>	S	T	6.5	2.5	6.5	7.0
Jake Johnson 539 Orange Avenue Westbury, NY 11568 XXX-XX-498	J <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/>	S	T	4.5	2.5	3.5	4.0
Clint Cast 4th Street New York, NY 10003 XXX-XX-2300	J <input type="checkbox"/> A <input type="checkbox"/>	S	T	3.5	4.5	6.5	5.0
Chip Trent 7735 Texas Drive Brooklyn, NY 11256 XXX-XX-1235	J <input type="checkbox"/> A <input type="checkbox"/>	S	T	6.5	5.5	7.5	5.0

ⓘ SSN Is Not Formatted Correctly;

Process Dashboard for self monitoring of form scanning jobs

The screenshot displays the Mazars Datapath IFC Process Dashboard. The interface includes a left-hand navigation menu with options: Document Dashboard, Submit PDFs for processing, Excel Summary, Process Dashboard (highlighted), Contractor Manager, and User Manager. The main content area is titled 'Process Dashboard' and includes sub-sections for Jobs (0), Retries (0), Recurring Jobs (0), and Servers (1). The 'Overview' section contains two graphs: a 'Realtime graph' and a 'History graph'. The realtime graph shows a single data point at 6:54:25 AM with a value of 4. The history graph shows a green bar at the end of the day (around 5:00 AM) with a tooltip indicating 'Succeeded: 4' and 'Failed: 0'. The footer of the dashboard provides technical details: Hangfire 1.7.24, SQL Server: (localdb)\mssqllocaldb@Mzr.DatapathIfc, Time: 9/7/2021 6:54:20 AM, Generated: 74.01ms.

Generate Excel output of completed data Set for Audit control and verification

mazars Datapath IFC

Document Dashboard
Submit PDFs for processing

Excel Summary

Process Dashboard
Contractor Manager
User Manager

Excel Summary

High-voltage Electricians | 06/03/2021 | 09/07/2021 | Show Data Source? [Download](#)

Id	File Name	Employee Name	Start Date	End Date	Date Created	
1	FilteredReportSummary-af620161-fd5e-4706-...	All W/O Dates			9/7/2021 6:50:47 AM	Download
2	FilteredReportSummary-69445dbb-56d8-43e-...	All W/O Dates			9/7/2021 6:52:18 AM	Download

	A	B	C	D	E	F	G	H	I	J	K
1											
2	Certified Payroll Analysis										
3	Project Summary through September 10, 2021										
4											
5											
6											
7		Vendor	Period	Hours		Wages	Fringe	Total Cost	Hourly Pay	Comments	
8											
9		Bennett Steamfitters	05/05/202	148	-	\$18,855.00	\$4,331.94	\$23,186.94	\$156.67		
10											
11		HANDSHAKE MASONRY	03/29/202	3191.5	-	\$2,710.91	\$0.00	\$2,710.91	\$0.85		
12											
13		Mr. Regular Construction	09/03/202	1151	-	\$51,120.18	\$62,939.39	\$114,059.57	\$99.10		
14		Mr. Regular Construction	09/10/202	583	-	\$24,707.00	\$30,010.04	\$54,717.04	\$93.85		
15											
16											
17				5,073.50		\$97,393.09	\$97,281.37	\$194,674.46	\$38.37		
18											
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30											
31											

Summary | Bennett LLC 05-05-2021 | Handshake 03-29-2021 | Mr R 09-03-2021 | Mr R 09-10-2021

Integrated Support Form will submit actual Model details and business rules for continuous updates and model training improvements

	A	B	C	D	E	F	G	H	I	J	K
1	+										
	Filename	File Size Kb	Contractor	Page Count	Report Count	Worker Count	Processing Time	Total Fields	Total Form Field Issues	Form Field Accuracy	Process Models
2	Mr.Regular Final.pdf	2.3 MB	Mr Regular	6	6	42	00:51	546	5	99.0842%	CertifiedPayrollComposedModel:Expected Model
3											
4											

Send Support Request? ✕

Comments (Optional)

Send Support Request
Cancel

Audit team can directly submit forms for verification and update

The screenshot shows the 'Submit PDFs for processing' interface within the Mazars Datapath IFC system. The interface includes a sidebar with navigation options: Document Dashboard, Submit PDFs for processing (highlighted), Excel Summary, Process Dashboard, Contractor Manager, and User Manager. The main content area features a toggle for 'Send email notification when completed?' (which is turned on), a dropdown menu for selecting a contractor (currently set to 'Splish Splosh Plash Pumbing'), and an upload section. The upload section shows a file named 'SSS-Plumbing-Sept21.pdf' with an 'Upload' button. Below the file name, a list of files is shown, including 'File: Mr.Regular Final.pdf' with its stored file name: 'e6dbbd32-4459-48c3-9042-2140ccfc719.pdf'.

Contact

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