

What is Azure AI Document Intelligence?

Article • 11/22/2023

📘 Important

- Document Intelligence public preview releases provide early access to features that are in active development.
- Features, approaches, and processes may change, prior to General Availability (GA), based on user feedback.
- The public preview version of Document Intelligence client libraries default to REST API version [2023-10-31-preview](#).
- Public preview version [2023-10-31-preview](#) is currently only available in the following Azure regions:
- East US
- West US2
- West Europe

This content applies to:  [v4.0 \(preview\)](#) | Previous versions:  [v3.1 \(GA\)](#)  [v3.0 \(GA\)](#)  [v2.1 \(GA\)](#)

📘 Note

Form Recognizer is now **Azure AI Document Intelligence**!

- As of July 2023, Azure AI services encompass all of what were previously known as Cognitive Services and Azure Applied AI Services.
- There are no changes to pricing.
- The names *Cognitive Services* and *Azure Applied AI* continue to be used in Azure billing, cost analysis, price list, and price APIs.
- There are no breaking changes to application programming interfaces (APIs) or SDKs.
- Some platforms are still awaiting the renaming update. All mention of Form Recognizer or Document Intelligence in our documentation refers to the same Azure service.

Azure AI Document Intelligence is a cloud-based [Azure AI service](#) that enables you to build intelligent document processing solutions. Massive amounts of data, spanning a wide variety of data types, are stored in forms and documents. Document Intelligence enables you to effectively manage the velocity at which data is collected and processed and is key to improved operations, informed data-driven decisions, and enlightened innovation.

|  [Document analysis models](#) |  [Prebuilt models](#) |  [Custom models](#) |

Document analysis models

Document analysis models enable text extraction from forms and documents and return structured business-ready content ready for your organization's action, use, or progress.



[Read](#) | Extract printed and handwritten text.



[Layout](#) | Extract text and document structure.

Prebuilt models

Prebuilt models enable you to add intelligent document processing to your apps and flows without having to train and build your own models.



Invoice | Extract customer and vendor details.



Receipt | Extract sales transaction details.



Identity | Extract identification and verification details.



Health Insurance card | Extract health insurance details.



Contract | Extract agreement and party details.



US Tax W-2 form | Extract taxable compensation details.



US Tax 1098 form | Extract mortgage interest details.



US Tax 1098-E form | Extract student loan interest details.



US Tax 1098-T form | Extract qualified tuition details.



US Tax 1099 form | Extract information from variations of the 1099 form.

Custom models

- Custom models are trained using your labeled datasets to extract distinct data from forms and documents, specific to your use cases.
- Standalone custom models can be combined to create composed models.

- **Extraction models**

- ✓ Custom extraction models are trained to extract labeled fields from documents.



Custom template | Extract data from static layouts.



Custom neural | Extract data from mixed-type documents.



Custom composed | Extract data using a collection of models.

- **Classification model**
 - ✓ Custom classifiers identify document types prior to invoking an extraction model.



Custom classifier | Identify designated document types (classes) prior to invoking an extraction model.

Add-on capabilities

Document Intelligence supports optional features that can be enabled and disabled depending on the document extraction scenario. The following add-on capabilities are available for 2023-07-31 (GA) and later releases:

- [ocr.highResolution](#)
- [ocr.formula](#)
- [ocr.font](#)
- [ocr.barcode](#)

Document Intelligence supports optional features that can be enabled and disabled depending on the document extraction scenario. The following add-on capabilities are available for 2023-10-31-preview and later releases:

- [queryFields](#)

Analysis features

 Expand table

Model ID	Content Extraction	Paragraphs	Paragraph Roles	Selection Marks	Tables	Key-Value Pairs	Languages	Barcodes	Document Analysis	Formulas*	Style Font*	High Resolution*
prebuilt-read	✓	✓					O	O		O	O	O
prebuilt-layout	✓	✓	✓	✓	✓		O	O		O	O	O
prebuilt-idDocument	✓						O	O	✓	O	O	O
prebuilt-invoice	✓			✓	✓	O	O	O	✓	O	O	O
prebuilt-receipt	✓						O	O	✓	O	O	O
prebuilt-healthInsuranceCard.us	✓						O	O	✓	O	O	O
prebuilt-tax.us.w2	✓			✓			O	O	✓	O	O	O
prebuilt-tax.us.1098	✓			✓			O	O	✓	O	O	O

Model ID	Content Extraction	Paragraphs	Paragraph Roles	Selection Marks	Tables	Key-Value Pairs	Languages	Barcodes	Document Analysis	Formulas*	Style Font*	High Resolution*
prebuilt-tax.us.1098E	✓			✓			O	O	✓	O	O	O
prebuilt-tax.us.1098T	✓			✓			O	O	✓	O	O	O
prebuilt-tax.us.1099(Variations)	✓			✓			O	O	✓	O	O	O
prebuilt-contract	✓	✓	✓	✓			O	O	✓	O	O	O
{ customModelName }	✓	✓	✓	✓	✓		O	O	✓	O	O	O
prebuilt-document (deprecated 2023-10-31-preview)	✓	✓	✓	✓	✓	✓	O	O		O	O	O
prebuilt-businessCard (deprecated 2023-10-31-preview)	✓								✓			

✓ - Enabled
O - Optional
* - Premium features incur extra costs

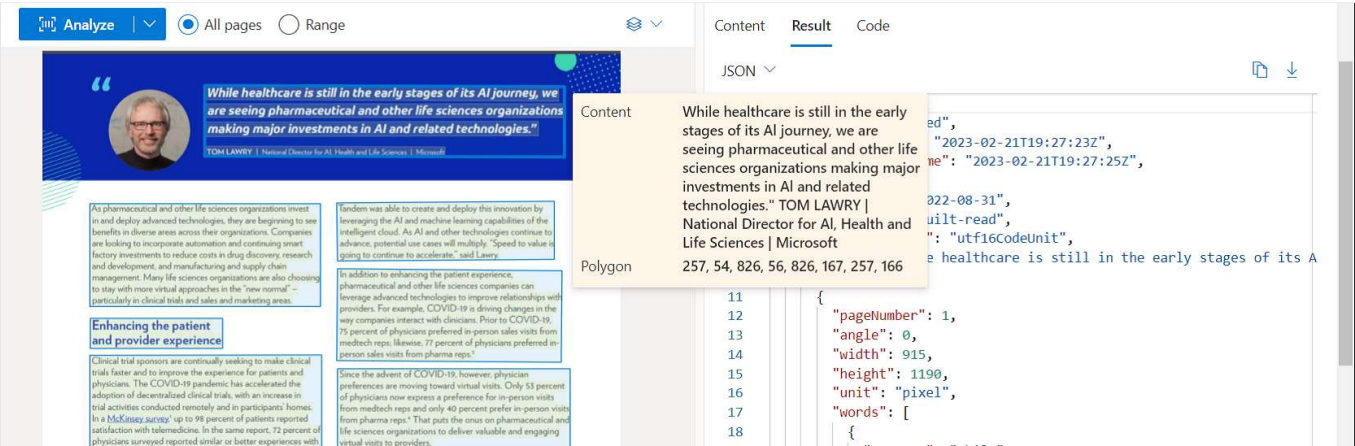
Models and development options

Note

The following document understanding models and development options are supported by the Document Intelligence service v3.0.

You can use Document Intelligence to automate document processing in applications and workflows, enhance data-driven strategies, and enrich document search capabilities. Use the links in the table to learn more about each model and browse development options.

Read



Expand table

Model ID	Description	Automation use cases	Development options
prebuilt-read	<ul style="list-style-type: none">Extract text from documents.Data and field extraction	<ul style="list-style-type: none">Contract processing.Financial or medical report processing.	<ul style="list-style-type: none">Document Intelligence StudioREST APIC# SDKPython SDK

Model ID	Description	Automation use cases	Development options
			<ul style="list-style-type: none">• Java SDK• JavaScript

Return to model types

Layout

Analyze

All pagesRange

ContentResultCode

NEWS TODAY

Latest news and bulletin updates

Role

title

Content

NEWS TODAY Latest news and bulletin updates

Polygon

139, 9, 608, 8, 608, 89, 139, 90

5

6

7

8

9

10

11

12

13

14

15

16

17

"succeeded",

ateTime": "2023-02-21T19:39:32Z",

tedDateTime": "2023-02-21T19:39:34Z",

"analyzeResult": {

"apiVersion": "2022-08-31",

"modelId": "prebuilt-layout",

"stringIndexType": "utf16CodeUnit",

"content": "Tuesday, Sep 20, YYYY\nNEWS TODAY Latest new

"pages": [

{

"pageNumber": 1,

"angle": 0,

"width": 756,

"height": 1066,

"unit": "pixel",

"words": [

Expand table

Model ID	Description	Automation use cases	Development options
prebuilt-layout	<ul style="list-style-type: none">• Extract text and layout information from documents.• Data and field extraction• Layout API is updated to a prebuilt model.	<ul style="list-style-type: none">• Document indexing and retrieval by structure.• Preprocessing prior to OCR analysis.	<ul style="list-style-type: none">• Document Intelligence Studio• REST API• C# SDK• Python SDK• Java SDK• JavaScript

Return to model types

Invoice

Analyze

All pagesRange

FieldsContentResultCode

CONTOSO LTD.

INVOICE

SALES PERSON

REQUISITIONER

SHIPPED VIA

F.O.B. POINT

TERMS

DATE

ITEM CODE

DESCRIPTION

QTY

UM

PRICE

TAX

AMOUNT

THANK YOU FOR YOUR BUSINESS!

Prebuilt invoice

Key-Value pairs

INVOICE:

INV-100

INVOICE DATE:

11/15/2019

DUE DATE:

12/15/2019

CUSTOMER NAME:

MICROSOFT CORPORATION

SERVICE PERIOD:

10/14/2019 – 11/14/2019

CUSTOMER ID:

CID-12345

[Expand table](#)

Model ID	Description	Automation use cases	Development options
prebuilt-invoice	<ul style="list-style-type: none"> Extract key information from invoices. Data and field extraction 	<ul style="list-style-type: none"> Accounts payable processing. Automated tax recording and reporting. 	<ul style="list-style-type: none"> Document Intelligence Studio REST API C# SDK Python SDK Java SDK JavaScript

[Return to model types](#)

Receipt

The screenshot shows the Azure AI Document Intelligence interface. The main view displays a receipt from 'Contoso' for Alex Morgan, dated 2021-03-27. The receipt includes a table of charges and credits, with a total of 104.92 USD. The right sidebar shows the 'Fields' tab with extracted data: DocType: receipt.hotel, ArrivalDate: 2021-03-27 (99.40%), Currency: USD (99.50%), DepartureDate: 2021-03-28 (99.30%), Items (6) (98.70%), and MerchantAddress: 5600 148th Ave NE, Redmond, WA 98052 (98.70%).

[Expand table](#)


Model ID	Description	Automation use cases	Development options
prebuilt-receipt	<ul style="list-style-type: none"> Extract key information from receipts. Data and field extraction Receipt model v3.0 supports processing of single-page hotel receipts. 	<ul style="list-style-type: none"> Expense management. Consumer behavior data analysis. Customer loyalty program. Merchandise return processing. Automated tax recording and reporting. 	<ul style="list-style-type: none"> Document Intelligence Studio REST API C# SDK Python SDK Java SDK JavaScript

[Return to model types](#)

Identity (ID)

Analyze

All pagesRange



FieldsResultCode

DocType: idDocument.passport

CountryRegion #1	99.00%
MYS	
DateOfBirth #1	99.00%
1975-11-02	
DateOfExpiration #1	99.00%
2022-03-10	
DateOfIssue #1	99.00%
2017-03-11	
DocumentNumber #1	99.00%
R00000000	
DocumentType #1	99.00%

Expand table

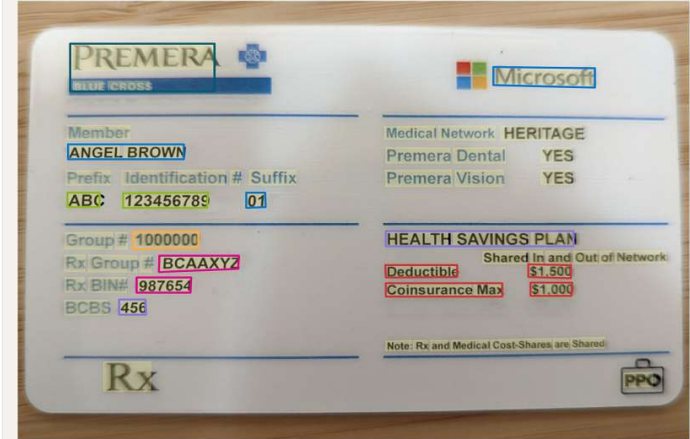
Model ID	Description	Automation use cases	Development options
prebuilt-idDocument	<ul style="list-style-type: none">Extract key information from passports and ID cards.Document typesExtract endorsements, restrictions, and vehicle classifications from US driver's licenses.	<ul style="list-style-type: none">Know your customer (KYC) financial services guidelines compliance.Medical account management.Identity checkpoints and gateways.Hotel registration.	<ul style="list-style-type: none">Document Intelligence StudioREST APIC# SDKPython SDKJava SDKJavaScript

Return to model types

Health insurance card

Run analysis

Analyze options



FieldsResultCode

Copays (2) #1

1 Amount	
\$1,500	
Benefit	
Deductible	
2 Amount	
\$1,000	
Benefit	
Coinsurance Max	
GroupNumber #1	99.50%
1000000	
IdNumber #1	99.50%
Number	99.50%
123456789	
Prefix	99.50%
ABC	
Insurer #1	99.50%
PREMIER BLUE CROSS	

Expand table

Model ID	Description	Automation use cases	Development options
prebuilt-healthInsuranceCard.us	<ul style="list-style-type: none">Extract key information from US health insurance cards.Data and field extraction	<ul style="list-style-type: none">Coverage and eligibility verification.Predictive modeling.Value-based analytics.	<ul style="list-style-type: none">Document Intelligence StudioREST APIC# SDKPython SDKJava SDKJavaScript

Return to model types

Contract model

Analyze | All pages | Range

WEB HOSTING AGREEMENT

This web Hosting Agreement is entered as of the **15th day of October, 2022** by and between **Contoso Software Corporation**, a Washington corporation, having its principal place of business at **10 Microsoft Way, Redmond, Washington 98009**, and **AdventureWorks Cycle**, a Washington corporation, having its principal place of business at **1010 First Street, Suite 200, Bellevue, Washington 98005**.

This agreement shall void and nullify any and all previous agreements to this date between Contoso and AdventureWorks.

There shall be no additional fees of any kind paid to Contoso, other than those stated within this agreement for software usage and/or bandwidth usage. AdventureWorks agrees to pay Contoso \$0.01 (one cent) per access up to 400,000 accesses thereafter payment shall be \$0.05 (one half cent) per access. AdventureWorks shall send this amount to Contoso by no later than Wednesday for accesses used from the previous week (Monday thru Sunday).

Contoso must provide a person(s) to correct any technical problems (Server being down or inaccessible) 24 hours per day, 7 days per week. This person(s) must be available by pager or telephone. AdventureWorks shall provide this same 24 hour service at the broadcast location.

This Agreement shall be governed by and construed in accordance with the internal laws of the State of **WASHINGTON** applicable to agreements made and to be performed entirely within such state.

All parties have read and fully agree to all terms and conditions as set forth in this Web Hosting Agreement.

Contoso Corporation
By: Angel Brown
Title: CTO
Angel Brown

Adventure Works Cycle
By: Aaron Smith
Title: CEO
Aaron Smith

Fields | Content | Result | Code

DocType: contract

EffectiveDate #1 99.99%

15 day of October, 2022

ExecutionDate #1 99.99%

15 day of October, 2022

Jurisdictions #1 100.00%

Clause This Agreement shall be governed by and construed in accordance with the internal laws of the State of Washington applicable to agreements made and to be performed entirely within such state. 100.00%

Region Washington 100.00%

Parties (2) #1

Title #1 99.98%

WEB HOSTING AGREEMENT

Expand table

Model ID	Description	Development options
prebuilt-contract	Extract contract agreement and party details.	<ul style="list-style-type: none">Document Intelligence StudioREST API

Return to model types

US Tax W-2 model

Analyze | All pages | Range

Copy 2 -- To Be Filed with Employee's State, City, or Local Income Tax Return.		OMB NO. 1545-0008	
a. Employee's Soc Sec No	1 Wages, tips, other comp.	7 Federal income tax withheld	
123-45-6789	37160.58	3894.54	
b. Employer ID number (EIN)	3 Social security wages	8 Social security tax withheld	
98-7654321	37160.58	2303.95	
c. Employer's name, address, and ZIP code	5 Medicare wages and tips	5 Medicare tax withheld	
CONTOSO LTD 123 MICROSOFT WAY REDMOND, WA 98765	37160.58	538.83	
d. Control Number			
000086242			
e. Employee's name, address, and ZIP code			
ANGEL BROWN 4567 MAIN STREET BUFFALO, WA 12345			
7 Social security tips	8 Allocated tips		
802.30	874.26		
10 Dependent care benefits	11 Nonqualified plans	12a Code See inst. for box 12	
9874.20	653.23	DD 6939.68	
13 Statutory employee	14 Other	12b Code	
<input checked="" type="checkbox"/>	DISINS 170.85	B 5432.00	
Retirement plan		12c Code	
<input checked="" type="checkbox"/>		F 876.80	
Third-party sick pay		12d Code	
<input checked="" type="checkbox"/>		G 1234.00	
PA 87654321	37160.58	1135.65	
WA 12345678	9631.20	1032.30	
15 State Employer's state ID number	16 State wages, tips, etc.	17 State income tax	
	51.00		
18 Local wages, tips, etc.	19 Local income tax	20 Locality name	
37160.58	594.54	Cambridge Vly/Mddl	
		E. Pennsboro/E. Pnns	

Fields Result Code

AllocatedTips	#1	99.90%
874.2		
ControlNumber	#1	99.90%
000086242		
DependentCareBenefits	#1	99.90%
9873.2		
Employee	#1	
Address		99.90%
4567 MAIN STREET BUFFALO, WA 12345		
HouseNumber		
4567		
Road		
MAIN STREET		
PostalCode		
12345		

Expand table

Model ID	Description	Automation use cases	Development options
prebuilt-tax.us-W-2	<ul style="list-style-type: none"> Extract key information from IRS US W2 tax forms (year 2018-2021). Data and field extraction 	<ul style="list-style-type: none"> Automated tax document management. Mortgage loan application processing. 	<ul style="list-style-type: none"> Document Intelligence Studio REST API C# SDK Python SDK Java SDK JavaScript

Return to model types

US tax 1098 form

Analyze | All pages | Range

8181 VOID CORRECTED		OMB No. 1545-1380	
RECIPIENT'S/LENDER'S name, street address, city or town, state or province, country, ZIP or foreign postal code, and telephone no.		Form 1098 (Rev. January 2022) For calendar year 20__	
RECIPIENT'S/LENDER'S TIN		Mortgage Interest Statement	
PAYER'S/BORROWER'S TIN		Copy A For Internal Revenue Service Center	
PAYER'S/BORROWER'S name		File with Form 1096.	
Street address (including apt. no.)		For Privacy Act and Paperwork Reduction Act Notice, see the current General Instructions for Certain Information Returns.	
City or town, state or province, country, and ZIP or foreign postal code		11 Mortgage acquisition date	
9 Number of properties securing the mortgage			
10 Other			
Account number (see instructions)			
1 Mortgage interest received from payer(s)/borrower(s)			
2 Outstanding mortgage principal			
3 Mortgage origination date			
4 Refund of overpaid interest			
5 Mortgage insurance premiums			
6 Points paid on purchase of principal residence			
7 <input type="checkbox"/> If address of property securing mortgage is the same as PAYER'S/BORROWER'S address, check the box, or enter the address or description in box 8.			
8 Address or description of property securing mortgage (see instructions)			

Fields Result Code

Address		
8181 VOID		
HouseNumber		
8181		
Road		
VOID		
StreetAddress		
8181 VOID		
MortgageInsurancePremium	#1	99.59%
\$		
MortgageInterest	#1	99.99%
\$		
OutstandingMortgagePrincipal	#1	99.95%
\$		
OverpaidInterestRefund	#1	98.60%
\$		
PointsPaid	#1	99.98%

Expand table

Model ID	Description	Development options
prebuilt-tax.us.1098E	Extract mortgage interest information and details.	<ul style="list-style-type: none">Document Intelligence StudioREST API

Return to model types

US tax 1098-E form

Analyze

All pagesRange

8484

☐ VOID☐ CORRECTED

RECIPIENT'S/LENDER'S name, street address, city or town, state or province, country, ZIP or foreign postal code, and telephone number

OMB No. 1545-1578

2023

Form 1098-E

Student Loan Interest Statement

RECIPIENT'S TIN

BORROWER'S TIN

1 Student loan interest received by lender

Copy A

For Internal Revenue Service Center

File with Form 1096.

For Privacy Act and Paperwork Reduction Act Notice, see the 2023 General Instructions for Certain Information Returns.

BORROWER'S name

Street address (including apt. no.)

City or town, state or province, country, and ZIP or foreign postal code

Account number (see instructions)

2 Check if box 1 does not include loan origination fees and/or capitalized interest, and the loan was made before September 1, 2004

Form 1098-E

Cat. No. 25088U

www.irs.gov/Form1098E

Department of the Treasury - Internal Revenue Service

Do Not Cut or Separate Forms on This Page — Do Not Cut or Separate Forms on This Page

FieldsResultCode

DocType: tax.us.1098E

ExcludesFeesOrInterest

false

StudentLoanInterest #1

100.00%

\$

TaxYear #1

100.00%

2023

Expand table

Model ID	Description	Development options
prebuilt-tax.us.1098E	Extract student loan information and details.	<ul style="list-style-type: none">Document Intelligence StudioREST API

Return to model types

US tax 1098-T form

Analyze

All pagesRange

8383

☐ VOID☐ CORRECTED

FILER'S name, street address, city or town, state or province, country, ZIP or foreign postal code, and telephone number

OMB No. 1545-1574

2023

Form 1098-T

Tuition Statement

FILER'S employer identification no.

STUDENT'S TIN

3

Copy A

For Internal Revenue Service Center

File with Form 1096.

For Privacy Act and Paperwork Reduction Act Notice, see the 2023 General Instructions for Certain Information Returns.

STUDENT'S name

Street address (including apt. no.)

City or town, state or province, country, and ZIP or foreign postal code

Service Provider/Acct. No. (see instr.)

8 Checked if at least half-time student

9 Checked if a graduate student

10 Ins. contract reimb./refund

1 Payments received for qualified tuition and related expenses

4 Adjustments made for a prior year

5 Scholarships or grants

6 Adjustments to scholarships or grants for a prior year

7 Checked if the amount in box 1 includes amounts for an academic period beginning January–March 2024

Form 1098-T

Cat. No. 25087J

www.irs.gov/Form1098T

Department of the Treasury - Internal Revenue Service

Do Not Cut or Separate Forms on This Page — Do Not Cut or Separate Forms on This Page

FieldsResultCode

IncludesAmountForNextPeriod

false

InsuranceContractReimbursements #1

100.00%

\$

IsAtLeastHalfTimeStudent

false

IsGraduateStudent

false

PaymentReceived #1

99.30%

\$

Scholarships #1

99.98%

\$

ScholarshipsAdjustments #1

99.99%

\$

TaxYear #1

100.00%

2023

Expand table

Model ID	Description	Development options
prebuilt-tax.us.1098T	Extract tuition information and details.	<ul style="list-style-type: none">Document Intelligence StudioREST API

Return to model types

US tax 1099 (and Variations) form

Run analysis

Query fields

Analyze options

Document 1

DocType: tax.us.1099NEC

Payer #2

PhoneNumber

7171

85.50%

Box2 #2

false

99.90%

TaxYear #2

20

99.90%

7171

☐ VOID ☐ CORRECTED

PAYER'S name, street address, city or town, state or province, country, ZIP or foreign postal code, and telephone no.

OMB No. 1545-0116

Form 1099-NEC

(Rev. January 2022)

For calendar year

20

Nonemployee Compensation

PAYER'S TIN

RECIPIENT'S TIN

1 Nonemployee compensation

\$

2 Payer made direct sales totaling \$5,000 or more of consumer products to recipient for resale

☐

3

4 Federal income tax withheld

\$

5 State tax withheld

\$

6 State/Payer's state no.

7 State income

\$

20

Form 1099-NEC (Rev. 1-2022)

Cat. No. 72590N

www.irs.gov/Form1099NEC

Department of the Treasury - Internal Revenue Service

Do Not Cut or Separate Forms on This Page — Do Not Cut or Separate Forms on This Page

Expand table

Model ID	Description	Development options
prebuilt-tax.us.1099(Variations)	Extract information from 1099 form variations.	<ul style="list-style-type: none">Document Intelligence StudioREST API

Return to model types

Custom model overview

Label data

Train

Drag and drop document here or Browse for a file

Invoice_1.pdf

Invoice_2.pdf

Region

Contoso, Ltd.

Project Statement

Sold To

Customer Delivery (Use dropdown)

Video Delivery (Use dropdown)

Training Date

Description

Price

Quantity

Unit Price

Subtotal

Grand Total

Available

Order Total

Subtotal

Grand Total

Thank you for your business!

Receipt No 1

2468

Sold To 2

Fabrikam Residences

ID # 3

1197531

Live Delivery? 4

☐ unselected

Online Delivery? 5

☒ selected

Video Delivery? 6

☒ selected

Expand table

About	Description	Automation use cases	Development options
Custom model	Extracts information from forms and documents into structured data based on a model created from a set of representative training document sets.	Extract distinct data from forms and documents specific to your business and use cases.	<ul style="list-style-type: none">Document Intelligence StudioREST APIC# SDKJava SDKJavaScript SDKPython SDK

Return to custom model types

Custom template

Note

To train a custom template model, set the `buildMode` property to `template`. For more information, see [Training a template model](#)

Expand table

About	Description	Automation use cases	Development options
Custom Template model	The custom template model extracts labeled values and fields from structured and semi-structured documents.	Extract key data from highly structured documents with defined visual templates or common visual layouts, forms.	<ul style="list-style-type: none">Document Intelligence StudioREST APIC# SDKPython SDKJava SDKJavaScript SDK

Return to custom model types

Custom neural

This House Rental Agreement ("Agreement," "rental agreement," or "lease") is entered into between Dray LLC (Landlord) and Satin Candice Ann Barry, Doreen Ann Satin, minimal (Tenants). If more than one person is named as Tenant they shall be jointly and severally liable and responsible under the terms of this Agreement. This lease Agreement involves a residential house, yard, and related facilities located at 9 Sellenow Dr, Salt Lake City, Utah 84143 (the "premises"). The date of this Agreement is January 5, 2024.

1. Landlord rents to Tenant, unfurnished, the premises on a month to month basis, terminable by either party at the end of any calendar month on at least 30 days notice to the other party. Tenant shall be entitled to possession of the premises and rent shall commence on April 1, 2018. Tenant shall not assign, sublease, or allow anyone other than persons permitted under this lease to at any time be in possession of any portion of the premises. Landlord will provide five (5) keys to Tenant; each key fits all outside door locks. Landlord will also provide two keys to the garage, and one remote garage door opener. All keys and the remote door opener will be returned to Landlord at the end of the tenancy.

2. Tenant agrees to pay the stipulated monthly rent in advance on the first day of each calendar month without offset or reduction. All rent is payable to Landlord at the address of Landlord, 300 Old Terrace Road, Salt Lake City, Utah 84198, or at such other place as Landlord

To train a custom neural model, set the `buildMode` property to `neural`. For more information, see [Training a neural model](#)

About	Description	Automation use cases	Development options
Custom Neural model	The custom neural model is used to extract labeled data from structured (surveys, questionnaires), semi-structured (invoices, purchase orders), and unstructured documents (contracts, letters).	Extract text data, checkboxes, and tabular fields from structured and unstructured documents.	Document Intelligence Studio <ul style="list-style-type: none">• REST API• C# SDK• Java SDK• JavaScript SDK• Python SDK

Custom composed

Custom model

Label data

Models

Test

Settings

Compose

Test

Delete

Copy

Model ID	Model Description
test	test
composed-fr-model	five custom models composed
composed-fr	composed from three models

About	Description	Automation use cases	Development options
Composed custom models	A composed model is created by taking a collection of custom models and assigning them to a single model built from your form types.	Useful when you train several models and want to group them to analyze similar form types like purchase orders.	<ul style="list-style-type: none">• Document Intelligence Studio• REST API• C# SDK

About	Description	Automation use cases	Development options
			<ul style="list-style-type: none">• Java SDK• JavaScript SDK• Python SDK

Return to custom model types

Custom classification model

Label data

+

Drag and drop similar files here to create a new document type and assign labels

car-maint

sample1/car-maint/Comme... X

sample1/car-maint/Comme... X

sample1/car-maint/Comme... X

sample1/car-maint/Comme... X

sample1/car-maint/Comme... X

cc-auth

sample1/cc-auth/CCAuth-1.... X

sample1/cc-auth/CCAuth-2.... X

sample1/cc-auth/CCAuth-3.... X

sample1/cc-auth/CCAuth-4.... X

sample1/cc-auth/CCAuth-5.... X

sample1/cc-auth/CCAuth-6.... X

sample1/cc-auth/CCAuth-7.... X

17/17 labeled

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sample1/car-maint...

sample1/car-maint...

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sample1/car-maint...

sample1/cc-auth/C...

sample1/cc-auth/C...

sample1/cc-auth/C...

sample1/cc-auth/C...

sample1/cc-auth/C...

sample1/cc-auth/C...

sample1/cc-auth/C...

sample1/deed-of-t...

sample1/deed-of-t...

sample1/deed-of-t...

sample1/deed-of-t...

sample1/deed-of-t...

Expand table

About	Description	Automation use cases	Development options
Composed classification model	Custom classification models combine layout and language features to detect, identify, and classify documents within an input file.	<ul style="list-style-type: none">• A loan application packaged containing application form, payslip, and, bank statement.• A collection of scanned invoices.	<ul style="list-style-type: none">• Document Intelligence Studio• REST API

Return to custom model types

:::moniker-end

Data privacy and security

As with all AI services, developers using the Document Intelligence service should be aware of Microsoft policies on customer data. See our [Data, privacy, and security for Document Intelligence](#) page.

Next steps

https://learn.microsoft.com/en-us/azure/ai-services/document-intelligence/overview?view=doc-intel-4.0.0

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- [Choose a Document Intelligence model](#)
- Try processing your own forms and documents with the [Document Intelligence Studio](#)
- Complete a [Document Intelligence quickstart](#) and get started creating a document processing app in the development language of your choice.