

# Document Intelligence



[gollnickdata.de](http://gollnickdata.de)

# OCR

# OCR

## Create Document Intelligence

Home > AI Foundry | Document intelligence >

### Create Document Intelligence ...

Basics Network Identity Tags Review + create

Accelerate your business processes by automating information extraction. Document Intelligence applies advanced machine learning to accurately extract text, key/value pairs, and tables from documents. With just a few samples, Document Intelligence tailors its understanding to your documents, both on-premises and in the cloud. Turn forms into usable data at a fraction of the time and cost, so you can focus more time acting on the information rather than compiling it.

[Learn more](#)

#### Project Details

Subscription \* ⓘ

Azure subscription 1

Resource group \* ⓘ

gollnickdatasolutions

[Create new](#)

#### Instance Details

Region ⓘ

East US

Name \* ⓘ

mydocint20250930

Pricing tier \* ⓘ

Free F0 (500 Pages per month, 20 Calls per minute for recognizer AP...)

[View full pricing details](#)



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# OCR

## Document Intelligence Studio

### Get started with your resource in Document Intelligence Studio

 Get Started with your resource in Document Intelligence Studio or with SDK

Extract text, key-value pairs, tables, and structures from your documents automatically and accurately without writing any code

[Go to Document Intelligence Studio](#)

Review SDK QuickStart for a code-first try out experience

<https://documentintelligence.ai.azure.com/studio/>

### Document analysis

Extract text, tables, structure, key-value pairs, and named entities from documents.



#### OCR/Read

Extract printed and handwritten text from images and documents, and turn unsearchable PDFs into searchable PDFs.



#### Layout

Extract tables, check boxes, and text from forms and documents.



#### General documents

Extract key value pairs and structure like tables and selection marks from any form or document.

[Try it out](#)

[Try it out](#)

[Try it out](#)



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# OCR

## Create Document Intelligence

### Welcome to Document Intelligence Studio

X

- Configure service resource
- Review

#### Configure service resource

To use Document Intelligence, you need an Azure subscription containing a service resource for usage and billing. Resources are organized in resource groups. [Learn more](#)

##### Access By

- Resource    API endpoint and key

##### Subscription \*

##### Resource group \*

[Create new](#)

##### Document Intelligence or Cognitive Service Resource \*

Create new resource

Continue

Cancel



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# OCR

## Create Document Intelligence

[Run analysis](#) [Analyze options](#)

Content Result Code

Text

Paragraph

While healthcare is still in the early stages of its AI journey, we are seeing pharmaceutical and other life sciences organizations making major investments in AI and related technologies.

TOM LAWRY | National Director for AI, Health and Life Sciences | Microsoft

Paragraph

As pharmaceutical and other life sciences organizations invest in and deploy advanced technologies, they are beginning to see benefits in diverse areas across their organizations. Companies are looking to incorporate automation and continuing smart factory investments to reduce costs in drug discovery, research and development, and manufacturing and supply chain management. Many life sciences organizations are also choosing to stay with more virtual approaches in the "new normal" - particularly in clinical trials and sales and marketing areas.

Enhancing the patient and provider experience

Clinical trial sponsors are continually seeking to make clinical trials faster and to improve the experience for patients and physicians. COVID-19 has accelerated the acceptance and adoption of decentralized clinical trials, with an increase in trial activities conducted remotely and in participants' homes. In a McKinsey survey,<sup>4</sup> up to 91 percent of patients reported satisfaction with telemedicine. In the same report, 72 percent of physician surveyed reported similar or better experiences with remote engagement compared with in-person visits.

The shift of trial activities closer to patients has been enabled by a myriad of evolving technologies and services (e.g., electronic consent, telehealth and remote patient monitoring). The aim to use technology to improve the patient experience and convenience has also broadened trial access to reach a broader

Tandem was able to create and deploy this innovation by leveraging the AI and machine learning capabilities of the intelligent cloud. As AI and other technologies continue to advance, potential use cases will multiply. "Speed to value is going to continue to accelerate," said Lawry.

In addition to enhancing the patient experience, pharmaceutical and other life sciences companies can leverage advanced technologies to improve relationships with providers. For example, COVID-19 is driving changes in the way companies interact with clinicians. Prior to COVID-19, 75 percent of physicians preferred in-person sales visits from medical reps; likewise, 77 percent of physicians preferred in-person sales visits from pharma reps.<sup>5</sup>

Since the advent of COVID-19, however, physician preferences are moving toward virtual visits. Only 53 percent of physicians now expect to have a virtual sales visit from a medical rep, and only 40 percent prefer in-person visits from pharma reps.<sup>6</sup> That puts the onus on pharmaceutical and life sciences organizations to deliver valuable and engaging virtual visits to providers.

One way to do that is to leverage text analytics capabilities to enhance the provider information stored in the organization's customer relationship management (CRM) system. For example, a rep setting up a visit with Dr. X could run text analytics on publicly available resources on the web to identify on which specific topics Dr. X has been writing about and

of 1

1 of 1 >

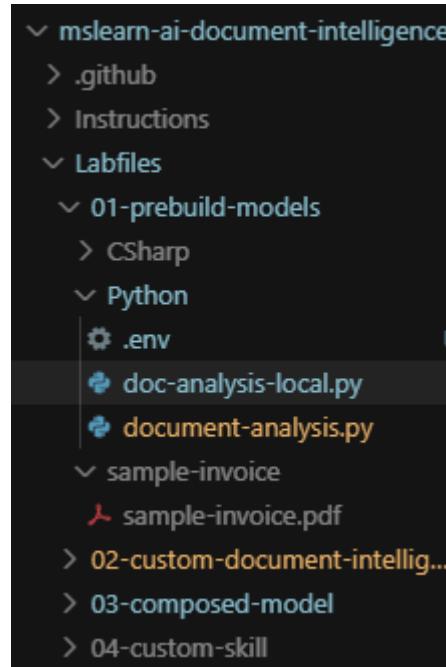
🔍 🔍 ⏪ ⏪

Clinical trial sponsors are continually seeking to make clinical trials

# OCR

## Create Document Intelligence

Run scripts locally



# Forms

# Forms

## Create Document Intelligence

Home > ai102form2742320826

ai102form2742320826 | Containers ...

Storage account

Search

Add container Upload Refresh Delete Change access level Restore containers Edit columns

Overview Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage browser Storage Mover Partner solutions Resource visualizer Data storage Containers

Search containers by prefix Only show active containers

Showing all 1 items

Name	Last modified	Anonymous access level	Lease state
sampleforms	9/30/2025, 5:12:22 PM	Blob	Available

Container properties Edit metadata Change access level Generate SAS Access policy Acquire lease Delete

**Change access level**

Change the access level of container 'sampleforms'.

Anonymous access level ⓘ

Container (anonymous read access for containers and blobs)

ⓘ All container and blob data can be read by anonymous request. Ⓢ



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# Forms

Create Document Intelligence

## Custom models

Train custom models to classify documents and extract text, structure and fields from your forms or documents.



### Custom extraction model

Label and build a custom model to extract a specific schema from your forms and documents.

[Get started](#)



### Custom classification model

Build a custom classification model to split and classify documents.

[Get started](#)



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# Forms

## Connect Training Data Source

### Custom extraction model

- Enter project details
- Configure service resource
- Connect training data source
- Review and create

#### Connect training data source

Link the Azure Blob Storage account and the folder that contains your training data. [Learn more](#)

##### Subscription \*

##### Resource group \*

##### Storage account \*

Create new storage account  Set as default

##### Blob container \*

[Create new](#)

##### Folder path



Back

Continue

Cancel



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# Forms

## Training Data Source

### Label data

The screenshot shows the Microsoft Form Recognizer training interface. On the left, there's a sidebar with a cloud icon for file upload, a search icon, and a list of five files: Form\_5.jpg (selected), Form\_4.jpg, Form\_3.jpg, Form\_2.jpg, and Form\_1.jpg. The main area displays a scanned document titled "Purchase Order" from "Hero Limited". The document contains fields like Company Phone, Website, Email, Shipped To, Shipped From, and a detailed table of items with columns for Details, Quantity, Unit Price, and Total. At the bottom, it has a signature and additional notes. On the right, the "Train" tab is active, showing a list of extracted data fields with their corresponding values:

- 1 Merchant: Hero Limited
- 2 Phone Number: 555-348-6512
- 3 Website: www.herolimited.com
- 4 Email: accounts@herolimited.com
- 5 Purchase Order Number: 2992848
- 6 Dated As: 02/09/2020
- 7 Vendor Name: Jack Sprat
- 8 Company Name: Jackrabbit Printing
- 9 Company Address: 342 W Wrinkle Road Bozeman MT 83839
- 0 Company Phone Number: 938-294-2949
- A Subtotal: \$200.00

# Forms

## Training Model

### Train a new model

X

Model ID \*

model1

Model description

Enter model description

Build Mode \*

[Learn more about the different types of custom extraction models.](#)

Template



Train

Cancel



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# Forms

## Test Model

Document Intelligence Studio > Custom extraction model > custom-model1 > Test

### Test model model1 ▾

Drag & drop file here or Browse for files or Fetch from URL

test1.jpg

Run analysis Query fields Analyze options

Purchase Order

**Hero Limited**

Company Phone: 503-545-6511  
Web: www.heralimited.com  
Email: sales@herolimited.com  
49823 Major Ave  
Cheer, MS, 38601

Dated As: 14/03/2021  
Purchase Order #: 39942

**Shipped To:**  
Vendor Name: Seth Stanley  
Company Name: Yoga for You  
Address: 343 E Winter Road  
Seattle, WA 98149 Phone: 343-986-6454

**Shipped From:**  
Name: Josh Granger  
Company Name: Granger Supply  
Address: 927 N Ebby Lane  
Ft Lauderdale, FL Phone: 932-294-2958

Details	Quantity	Unit Price	Total
Long Yoga Mat	50	50.00	2500.00
Short Yoga Mat	50	50.00	2500.00
Towel White	100	10.00	1000.00
Decal Stickers	50	5.00	250.00
Water Bottle Blue	50	10.00	500.00

**Additional Notes:**  
Enjoy. Namaste. If you have any issues with your Yoga supplies please contact us directly via email or at 250-209-1294 during business hours.

**Signature:** Josh Granger

**Subtotal:** \$6750.00  
**TAX:** \$600.00  
**TOTAL:** \$7350.00

1 of 1

Fields Result Code

test1.jpg

DocType: model1:model1 60.40%

CompanyAddress #1 343 E Winter Road Seattle, WA 93849 Phone: 62.40%

Signature #1 Josh Granger

Email #1 accounts@herolimited.com 85.30%

VendorName #1 Seth Stanley 99.00%

Total #1 \$7350.00 99.00%

Subtotal #1 \$6750.00 99.00%

PurchaseOrderNumber #1 39942 99.00%

CompanyName #1 Yoga for You 99.00%

PhoneNumber #1 99.00%

Training succeeded

Your model model1 has been successfully trained.

Please visit the 'Models' page for further details.

September 30, 2025 at 05:24 PM

# Composed Documents

# Composed Documents

## Overview

- Combine multiple docs into one
- Process different doc types
- Handles diverse document layouts
  
- Train custom models
- Combine trained models into composed model



# Composed Documents

Create Containers

## 1. Create Containers for forms

The screenshot shows the Azure Storage Container list for the account `ai102form2742320826`. The left sidebar includes links for Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser, Storage Mover, Partner solutions, Resource visualizer, Data storage (Containers selected), and File shares.

The main area displays two existing containers: `$logs` and `sampleforms`. A search bar at the top allows filtering by prefix. The toolbar includes buttons for Add container, Upload, Refresh, Delete, Change access level, Restore containers, and Edit columns.

A modal dialog titled "New container" is open on the right, prompting for a container name. The input field contains `1040forms`, and the "Anonymous access level" dropdown is set to "Container (anonymous read access for containers and blobs)". A warning message states: "All container and blob data can be read by anonymous request. Clients can enumerate blobs within the container by anonymous request, but cannot enumerate containers within the storage account." An "Advanced" section is partially visible below.

Name	Last modified
<code>\$logs</code>	9/30/2025, 5:45 PM
<code>sampleforms</code>	9/30/2025, 5:45 PM

Below the modal, two new containers are listed:

- `1040forms`
- `1099forms`

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# Composed Documents

Upload documents

## 3. Upload Forms

 1040forms

Authentication method: Access key ([Switch to Microsoft Entra user account](#))

 Add filter

 Search blobs by prefix (case-sensitive)

Showing all 6 items

Name

 f1040\_1.pdf

 f1040\_2.pdf

 f1040\_3.pdf

 f1040\_4.pdf

 f1040\_5.pdf

 f1040\_6.pdf

 1099forms

Authentication method: Access key ([Switch to Microsoft Entra user account](#))

 Add filter

 Search blobs by prefix (case-sensitive)

Showing all 5 items

Name

 f1099msc\_payer.pdf

 f1099msc\_payer\_2.pdf

 f1099msc\_recipient.pdf

 f1099msc\_recipient\_2.pdf

 f1099msc\_state.pdf



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# Composed Documents

Create Composed Model

Create Extraction Model

## Custom models

Train custom models to classify documents and extract text, structure and fields from your forms or documents.



### Custom extraction model

Label and build a custom model to extract a specific schema from your forms and documents.

[Get started](#)



### Custom classification model

Build a custom classification model to split and classify documents.

[Get started](#)



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# Composed Documents

Create two individual models

## Custom extraction model

- Enter project details
- Configure service resource
- Connect training data source
- Review and create

### Connect training data source

Link the Azure Blob Storage account and the folder that contains your training data. [Learn more](#)

**Subscription \***

Azure subscription 1

**Resource group \***

gollnickdatasolutions

**Storage account \***

ai102form2742320826

Create new storage account  Set as default

**Blob container \***

1040forms

[Create new](#)

**Folder path**

Enter folder path

[Back](#)

[Continue](#)

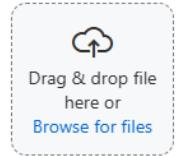


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# Composed Documents

## Label Data

### Label data



f1040\_6.pdf

f1040\_1.pdf

f1040\_2.pdf

f1040\_3.pdf

f1040\_4.pdf

f1040\_5.pdf

[Run layout] | [Auto label] | [Draw region]

**Form 1040** Department of the Treasury - Internal Revenue Service 99 U.S. Individual Income Tax Return **2020** CMB No. 1040-0074 IRS Use Only - Do not write or staple in this space.

Filing Status  Single  Married filing jointly  Married filing separately (MFS)  Head of household (HOH)  Qualifying widow(er) (QW)  
Check only one box.  
If you checked the MFS box, enter the name of your spouse. If you checked the HOH or QW box, enter the child's name if the qualifying person is a child but not your dependent ►

Your first name and middle initial <b>Michael</b>	Last name <b>Joo</b>	Year social security number <b>1 0 2 9 8 4 1 3</b>
If joint return, spouse's first name and middle initial <b>Helen</b>	Last name <b>Song</b>	Spouse's social security number <b>8 9 6 2 3 4 6 7 9</b>

Home address (number and street). If you have a P.O. box, see instructions.  
**1111 Wall Street**

City, town, or post office. If you have a foreign address, also complete spaces below.  
**New York City**

State  
**NY**

ZIP code  
**10001**

Presidential Election Campaign  
Check here if you, or your spouse if filing jointly, want \$3 to go to this fund. Checking a box does not change your tax or refund.

Foreign country name  
Foreign province/state/city  
Foreign postal code  
 You  Spouse

At any time during 2020, did you receive, sell, send, exchange, or otherwise acquire any financial interest in any virtual currency?  Yes  No

Standard  Someone can claim  You as a dependent  Your spouse as a dependent

Deduction  Spouse itemizes on a separate return or you were a dual-status alien

Age/Blindness You:  Was born before January 2, 1956  Am blind Spouse:  Was born before January 2, 1956  Is blind

Dependents (see instructions):  
(1) First name Last name (2) Social security number (3) Relationship to you (4) If qualifies for (see instructions):  
Child tax credit Credit for other dependents  
If more than four dependents, see instructions and check here ►

Kevin Joe	1 5 2 3 5 3 4 6 2	Son	<input type="checkbox"/>	<input type="checkbox"/>
Sarah Joe	3 6 2 8 3 4 6 7 5	Daughter	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Wages, salaries, tips, etc. Attach Form(s) W-2  
Sch. B if required.  
1 Tax-exempt interest . 2a 3,000 b Taxable interest . 2b 100  
2 Qualified dividends . 3,588 b Ordinary dividends . 232  
3 IRA distributions . 4a 1,000 b Taxable amount . 4b 100  
4 Personals and amalities . 5a 4,700 b Taxable amount . 5b 400  
5 Capital security benefits . 6a 100 b Taxable amount . 6b 300  
7 Capital gain or (loss). Attach Schedule D if required. If not required, check here . 7 1,300  
8 Other income from Schedule 1, line 8 . 8 2,000  
9 Add lines 1, 2b, 3b, 4b, 5b, 6b, 7, and 8. This is your total income . 9 142,346

Standard deduction for—  
• Single or Married filing separately: \$12,400  
• Married filing jointly or Qualifying widow(er): \$24,800  
• Head of household: \$18,600  
• If you itemized any box under Standard Deduction, see instructions.

10 Adjustments to income:  
a From Schedule 1, line 22 . 10a 2,300  
b Charitable contributions by you take the standard deduction. See instructions . 10b 10,000  
c Add lines 10a and 10b. These are your total adjustments to income . 10c 12,300  
11 Subtract line 10c from line 9. This is your adjusted gross income . 11 96,575  
12 Standard deduction or itemized deductions (from Schedule A)  
13 Qualified business income deduction. Attach Form 8995 or Form 8995-A  
14 Add lines 12 and 13 . 14 24,000  
15 Taxable Income. Subtract line 14 from line 11. If zero or less, enter -0-. 15 78,454

For Disclosure, Privacy Act, and Paperwork Reduction Act Notice, see separate instructions. Cat. No. 11320B Form 1040 (2020)

## Create fields

[+ Add a field]

1 FirstName

2 LastName

3 City

4 State

## Run Layout

[Run layout]



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# Composed Documents

Perform Labeling

Form  
**1040**

Department of the Treasury—Internal Revenue Service

(99)

**U.S. Individual Income Tax Return**

**2020**

OMB No. 1545

**Filing Status**

Single    Married filing jointly    Married filing separately (MFS)    Head of

Check only  
one box.

If you checked the MFS box, enter the name of your spouse. If you checked the HOH or  
person is a child but not your dependent ►

Your first name and middle initial <b>Michael</b>	Last name <b>Joo</b>
If joint return, spouse's first name and middle initial <b>Helen</b>	Last name <b>Song</b>
Home address (number and street). If you have a P.O. box, see instructions. <b>1111 Wall Street</b>	
City, town, or post office. If you have a foreign address, also complete spaces below. <b>New York City</b>	State <b>NY</b>



# Composed Documents

Train Model

Use template (for now)

## Training succeeded

Your model 1040model has been successfully trained. Please visit the 'Models' page for further details.

October 1, 2025 at 09:20 AM

## Train a new model

X

Model ID \*

1099model

Model description

Enter model description

Build Mode \*

[Learn more about the different types of custom extraction models.](#)

Template

Train

Cancel



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# Composed Documents

## Test Individual Model

Document Intelligence Studio > Custom extraction model > 1099Examples > Test

Test model 1099model ▾

Upload files

Drag & drop file here or  
Browse for files  
or  
Fetch from URL

Run analysis Query fields Analyze options

test\_doc\_2.pdf

**1099-MISC FORM 2021**

**PAYER'S name, street address, city or town, state or province, country, ZIP or foreign postal code, and telephone no.**  
Yale University  
P.O. Box 202032  
New Haven, CT 06520-8283

**PAYER'S TIN** 12-1234567 **RECIPIENT'S TIN** XYX-XX-9999

**RECIPIENT'S name**  
**Address**  
Street address (including apt. no.)  
150 Murray Avenue Apt. 104  
City or town, state or province, country, and ZIP or foreign postal code  
Danbury, CT 06811

**Account number (see instructions)** 152234A **FATCA filing requirement**  **2nd TIN not required**

**Form 1099-MISC** [www.irs.gov/Form1099MISC](http://www.irs.gov/Form1099MISC) **Department of the Treasury - Internal Revenue Service**

**Miscellaneous Information**

1 Wages \$ 1,500  
2 Royalties \$ 350  
3 Other income \$ 20,000  
5 Fishing boat proceeds \$ 700  
7 Payer made direct sales totaling \$5,000 or more of consumer products to recipient for resale \$ 500  
9 Crop insurance proceeds \$ 11 Fish purchased for resale \$ 12 Section 409(a) deferrals \$

4 Federal income tax withheld \$ 4,200  
6 Medical and health care payments \$  
8 Substitute payments in lieu of dividends or interest \$  
10 Gross proceeds paid to an attorney \$  
13 Excess golden parachute payments \$  
14 Nonqualified deferred compensation \$  
15 State tax withheld CT \$  
16 State Payer's state no. CT \$  
17 State income \$

For Privacy Act and Paperwork Reduction Act Notice, see the 2021 General Instructions for Certain Information Returns.

**Copy C For Payer**

**Fields Result Code**

test\_doc\_2.pdf

DocType: 1099model:1099model

City #1 Danbury, 98.10%

State #1 CT, 99.40%

Last Name #1 Parker, 99.50%

First Name #1 Olivia, 99.50%



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# Composed Documents

Create Composed Model

Issue: Compose Model not enabled

The screenshot shows a list of models in the Azure portal. At the top, there are buttons for 'Compose', 'Test', 'Delete', and 'Copy'. A tooltip message 'It need a classification model to compose. Create a classification model' points to the 'Compose' button. Below the buttons, there is a list of three models:

- Model ID
- 1099model
- 1040model

Solution: create Doc intelligence service in another region, e.g. EAST US2

The screenshot shows the 'Overview' page of a 'Document intelligence' resource named 'mydocint20250930'. The page includes a search bar, a navigation menu with 'Overview' selected, and a summary section with the following details:

mydocint20250930	
Document intelligence	Which npm package should I install to use this AI re
<a href="#">Delete</a>	
Resource group (move) : <a href="#">gollnickdatasolutions</a>	
Status	: Active
Location	: East US
Subscription (move)	: <a href="#">Azure subscription 1</a>
Subscription ID	: 9b8688c3-4700-4975-8bcf-8ad3a2248379
Tags (edit)	: <a href="#">Add tags</a>



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