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Azure AI Document Intelligence

January 2026

What is Azure AI Document Intelligence?

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Azure AI Document Intelligence is a comprehensive solution that combines Optical Character Recognition (OCR), machine learning, and natural language processing to extract structured data from documents.
It is designed to handle various document types, including invoices, receipts, forms, contracts, and more. The system can process these documents in multiple formats, such as scanned images, PDFs, and handwritten text. This versatility makes it an invaluable asset for organizations looking to automate document processing and extract valuable insights.

Azure AI Document Intelligence

What is Azure AI Document Intelligence?

Azure AI Document Intelligence Solutions

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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.

Prebuilt models

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

Custom models

- Custom models are trained using the labelled datasets to extract distinct data from forms and documents, specific to your use cases.

Azure AI Document Intelligence

Azure AI Document Intelligence Solutions

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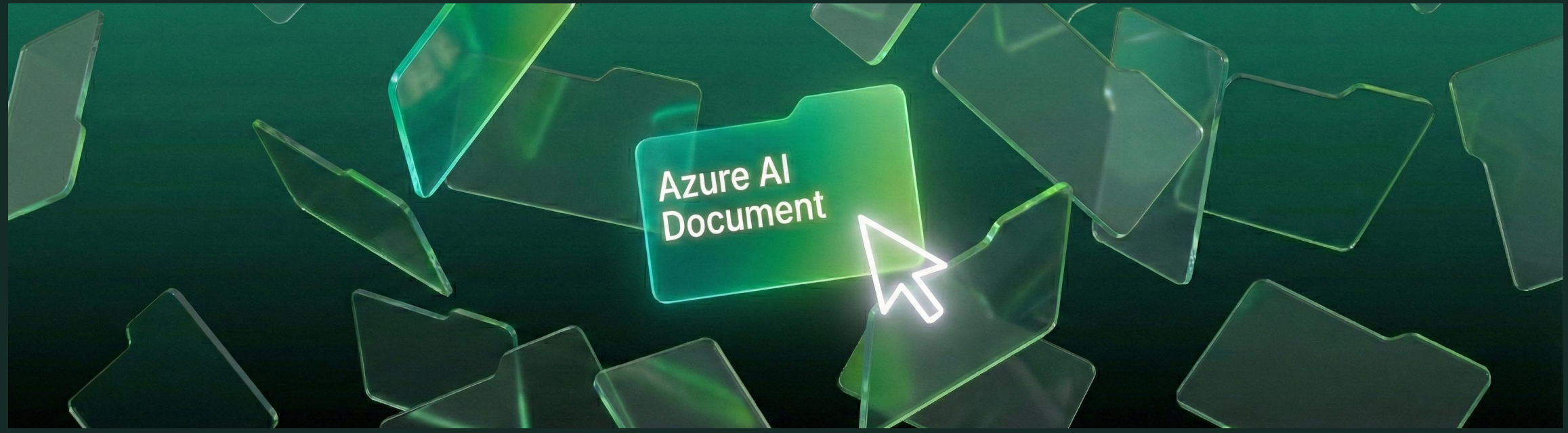
As with all AI services, developers using the Document Intelligence service should be aware of Microsoft policies on customer data. See our Data, privacy, and security for Document Intelligence page.



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1

An Azure subscription

- Create one for free
- Start free. Get $200 credit to use in 30 days. While you have your credit, get free amounts of popular services and 55+ other services.
- After your credit, move to Pay as You Go to keep getting popular services and 55+ other services. Only pay if you use more than the free monthly amounts.
- If you do not move to Pay as You Go you might see Out of Call Volume Quota error like example below:

  Exception: (403) Out of call volume quota for FormRecognizer F0 pricing tier. Please retry after 22 days. To increase your call volume switch to a paid tier. Code: 403
  Message: Out of call volume quota for FormRecognizer F0 pricing tier. Please retry after 22 days. To increase your call volume switch to a paid tier.

Consider upgrading to the paid tier from the outset if you intend to utilize this service for production purposes.

- Please see here for more details: https://azure.microsoft.com/en-us/pricing/details/ai-document-intelligence/
- After 12 months, you'll continue getting 55+ services free always—and still only pay for what you use beyond the free monthly amounts.

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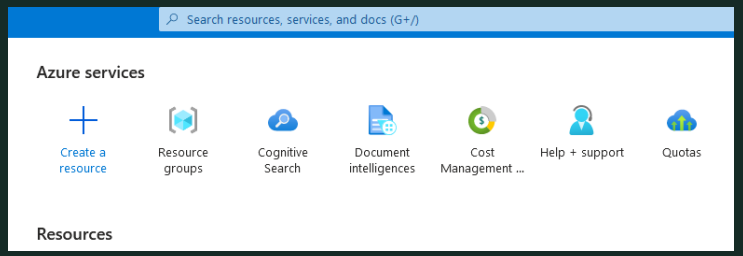
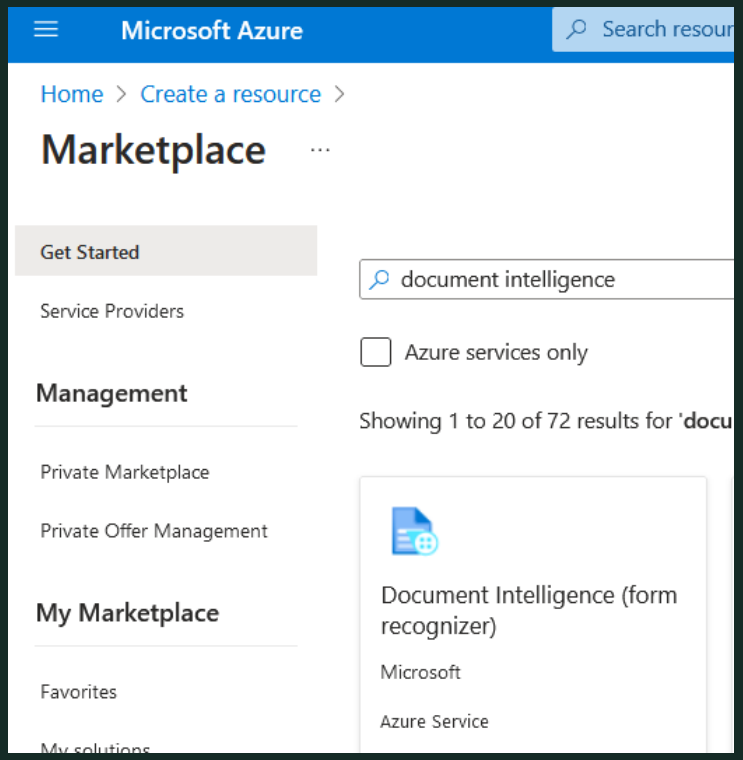
2

Create a resource

Resource is a manageable item that is available through Azure. Virtual machines, storage accounts, web apps, databases, and virtual networks are examples of resources. Resource groups, subscriptions, management groups, and tags are also examples of resources.

- Sign in with your Azure subscription in the Azure portal.
- Select Create a resource and search for the Azure OpenAI Service. When you locate the service, select Create.





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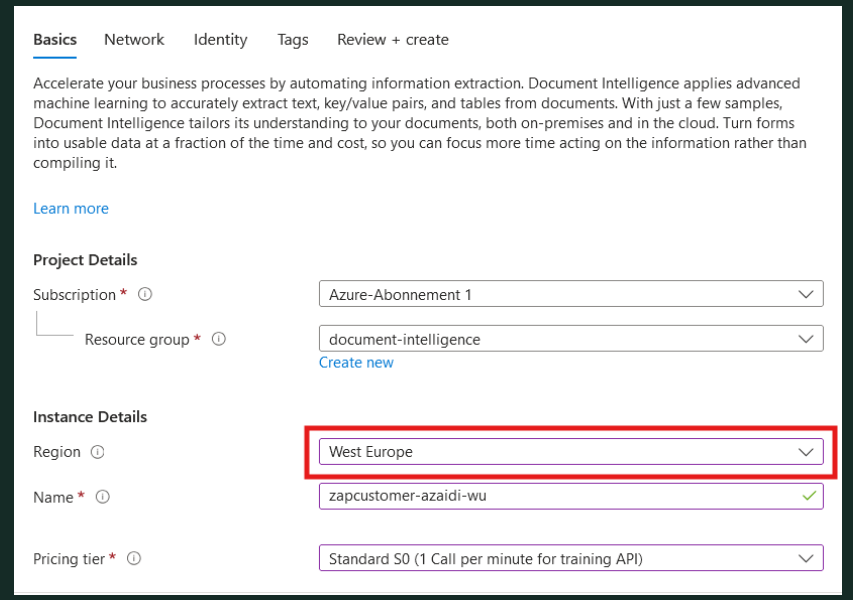
3

On Create Document Intelligence page, provide the following information for the fields on the Basics tab:

Field	Description
Subscription	The Azure subscription used in your Azure OpenAI Service onboarding application.
Resource group	The Azure resource group to contain your Azure OpenAI resource. You can create a new group or use a pre-existing group.
Region	The location of your instance. Different locations can introduce latency, but they don't affect the runtime availability of your resource.
Name	A descriptive name for your Azure OpenAI Service resource, such as MyOpenAIResource.
Pricing Tier	The pricing tier for the resource. Currently, only the Standard tier is available for the Azure OpenAI Service.



Attention: Please note that the latest Azure AI Document Intelligence Services are now exclusively available in the **West Europe** region. We kindly request that you adjust your region selection to access these services accordingly.
https://learn.microsoft.com/en-us/azure/search/cognitive-search-skill-document-intelligence-layout

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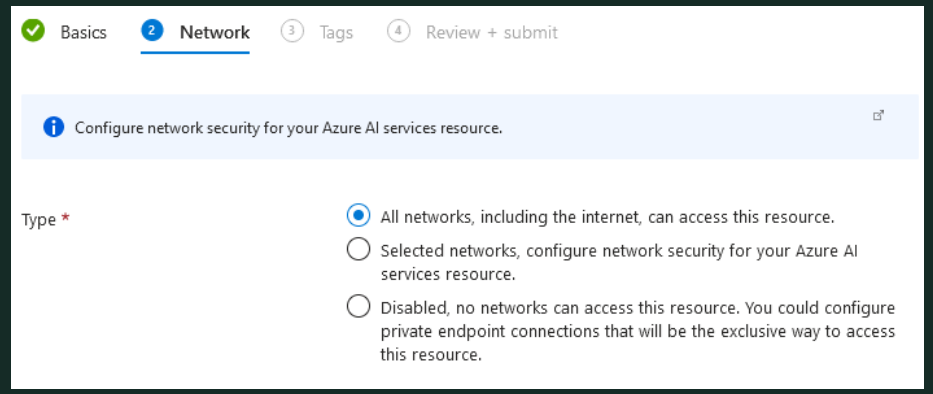
4

Configure network security

Regarding your concerns and security, you can configure the network security in three types. More details about each type can be found here.



5

Select Next and configure any Tags for your resource, as desired.

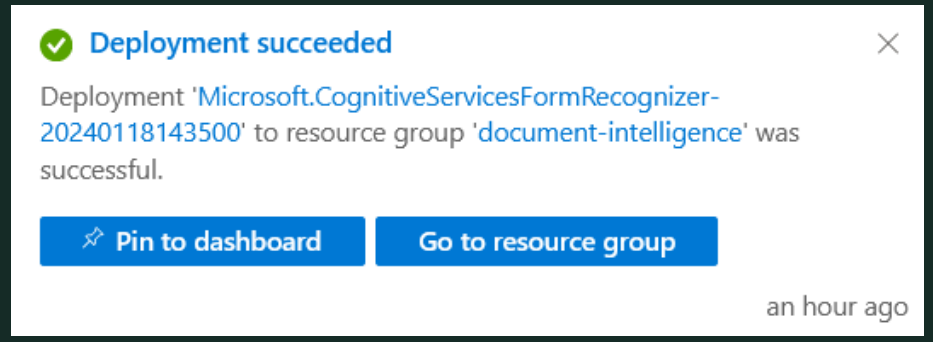
6

Select Next to move to the final stage in the process: Review + submit

7

Confirm your configuration settings, and select Create.

The Azure portal displays a notification when the new resource is available.



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Retrieve key and endpoint

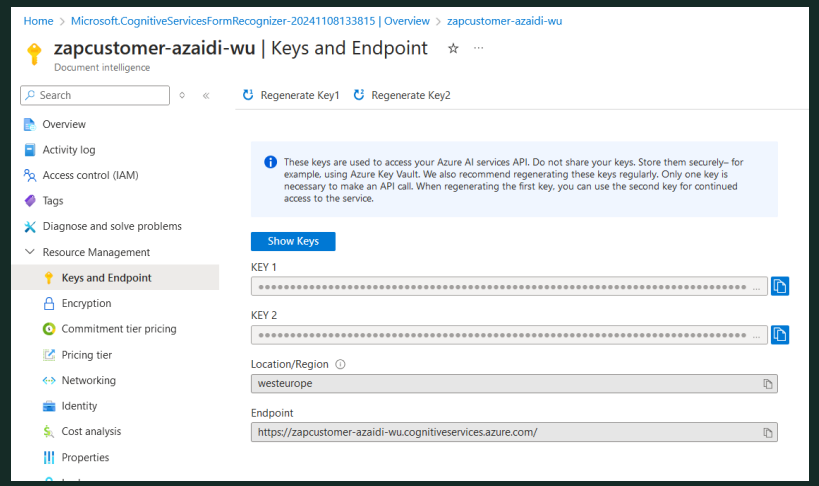
To successfully make a call against the Azure AI Document Intelligence, you'll need the following:

Variable name	Description
ENDPOINT	This value can be found in the Keys & Endpoint section when examining your resource from the Azure portal.
API-KEY	This value can be found in the Keys & Endpoint section when examining your resource from the Azure portal. You can use either KEY1 or KEY2.

9

Go to your resource in the Azure portal.

The Endpoint and Keys can be found in the Resource Management section. Copy your endpoint and access key as you'll need both for authenticating your API calls. You can use either KEY1 or KEY2. Always having two keys allows you to securely rotate and regenerate keys without causing a service disruption.



Required API Configuration

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We'll need to get the following information from your Azure AI Document Intelligence service:

```
AZURE_DOCUMENT_INTELLIGENCE_ENDPOINT = <your Azure AI Document Intelligence Endpoint>
```

```
AZURE_DOCUMENT_INTELLIGENCE_API_KEY = <your Azure AI Document Intelligence API key>
```

Thank you