

Create a Cognitive Services resource using the Azure portal

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Use this quickstart to start using Azure Cognitive Services. After creating a Cognitive Service resource in the Azure portal, you'll get an endpoint and a key for authenticating your applications.

You can access Azure Cognitive Services through two different resources: A multi-service resource, or a single-service one.

- Multi-service resource:
 - Access multiple Azure Cognitive Services with a single key and endpoint.
 - Consolidates billing from the services you use.
- Single-service resource:
 - Access a single Azure Cognitive Service with a unique key and endpoint for each service created.
 - Use the free tier to try out the service.

Prerequisites

- A valid Azure subscription - [Create one for free](#).

Create a new Azure Cognitive Services resource

1. Create a resource.

Multi-service resource

Single-service resource

The multi-service resource is named **Cognitive Services** in the portal. [Create a Cognitive Services resource](#).

At this time, the multi-service resource enables access to the following Cognitive Services:

- Computer Vision
- Content Moderator
- Face
- Language Understanding (LUIS)
- Text Analytics
- Translator
- Bing Search v7
(Web, Image, News, Video, Visual)
- Bing Custom Search
- Bing Entity Search
- Bing Autosuggest
- Bing Spell Check

2. On the **Create** page, provide the following information:

Multi-service resource

Single-service resource

Name	A descriptive name for your cognitive services resource. For example, <i>MyCognitiveServicesResource</i> .
Subscription	Select one of your available Azure subscriptions.
Location	The location of your cognitive service instance. Different locations may introduce latency, but have no impact on the runtime availability of your resource.
Pricing tier	The cost of your Cognitive Services account depends on the options you choose and your usage. For more information, see the API pricing details .
Resource group	The Azure resource group that will contain your Cognitive Services resource. You can create a new group or add it to a pre-existing group.

Create

All Cognitive Services

* Name
MyCognitiveServicesResource ✓

* Subscription
▼

* Location
(US) West US ▼

i Location specifies the region only for included regional services. This does not specify a region for included non-regional services. [See service status page](#) for more details.

* Pricing tier ([View full pricing details](#))
▼

* Resource group
Select existing... ▼
[Create new](#)

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Create [Automation options](#)

Click **Create**.

Get the keys for your resource

1. After your resource is successfully deployed, click on **Go to resource** under **Next Steps**.

 **Your deployment is complete**

 Deployment name: Microsoft.CognitiveServicesComputerVision
Subscription:
Resource group:

▼


 Deployment details [\(Download\)](#)

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 Next steps


[Go to resource](#)


2. From the quickstart pane that opens, you can access your key and endpoint.

 Congratulations! Your keys are ready.
Now explore the Quickstart guidance to get up and running with Cognitive Services.

1

 Grab your keys

Key1 


Endpoint 

Configure an environment variable for authentication

Applications need to authenticate access to the Cognitive Services they use. To authenticate, we recommend creating an environment variable to store the keys for your Azure Resources.

After you have your key, write it to a new environment variable on the local machine running the application. To set the environment variable, open a console window, and follow the instructions for your operating system. Replace `your-key` with one of the keys for your resource.

Windows Linux macOS

Console  Copy

```
setx COGNITIVE_SERVICE_KEY "your-key"
```

After you add the environment variable, you may need to restart any running programs that will need to read the environment variable, including the console window. For example, if you are using Visual Studio as your editor, restart Visual Studio before running the example.

Clean up resources

If you want to clean up and remove a Cognitive Services subscription, you can delete the resource or resource group. Deleting the resource group also deletes any other resources contained in the group.

1. In the Azure portal, expand the menu on the left side to open the menu of services, and choose **Resource Groups** to display the list of your resource groups.
2. Locate the resource group containing the resource to be deleted
3. Right-click on the resource group listing. Select **Delete resource group**, and confirm.

See also

- [Authenticate requests to Azure Cognitive Services](#)
- [What is Azure Cognitive Services?](#)
- [Natural language support](#)
- [Docker container support](#)

Is this page helpful?

 Yes  No
