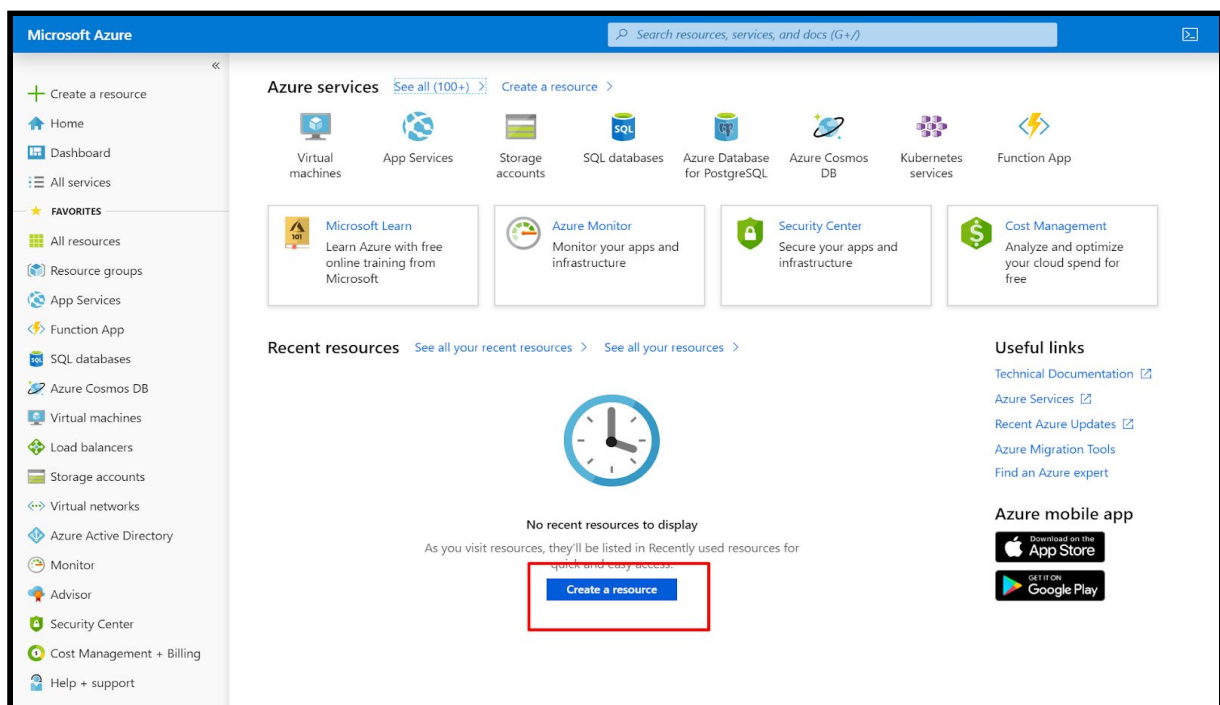


# MÓDULO OCR AZURE

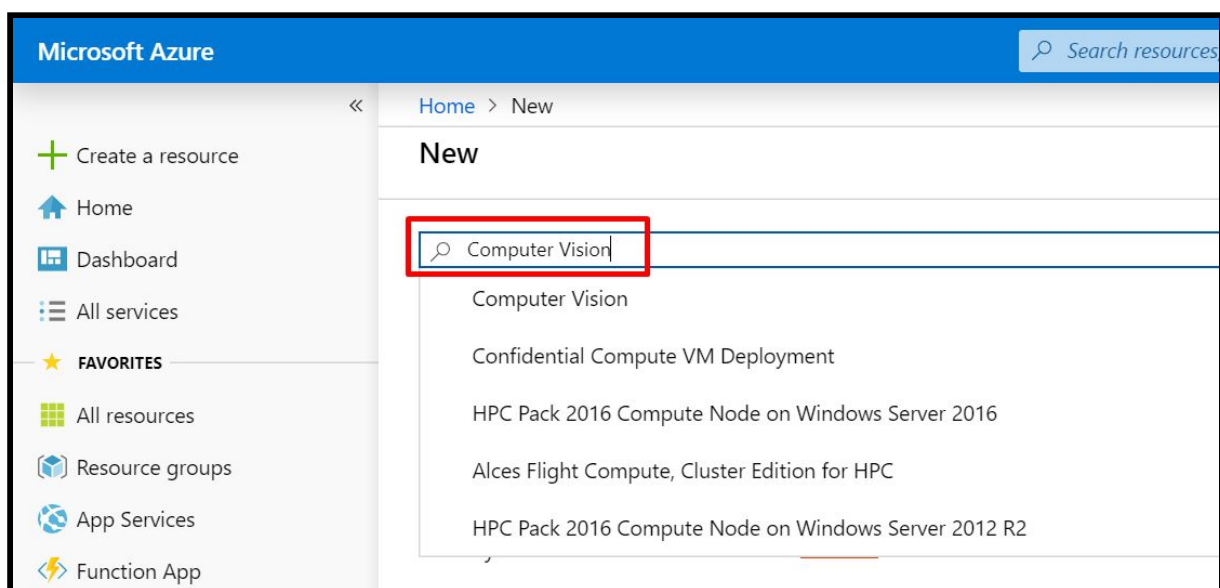
Este módulo permite realizar OCR desde una imagen JPG y guardar el resultado en una variable.

## OBTENER DATOS DESDE AZURE

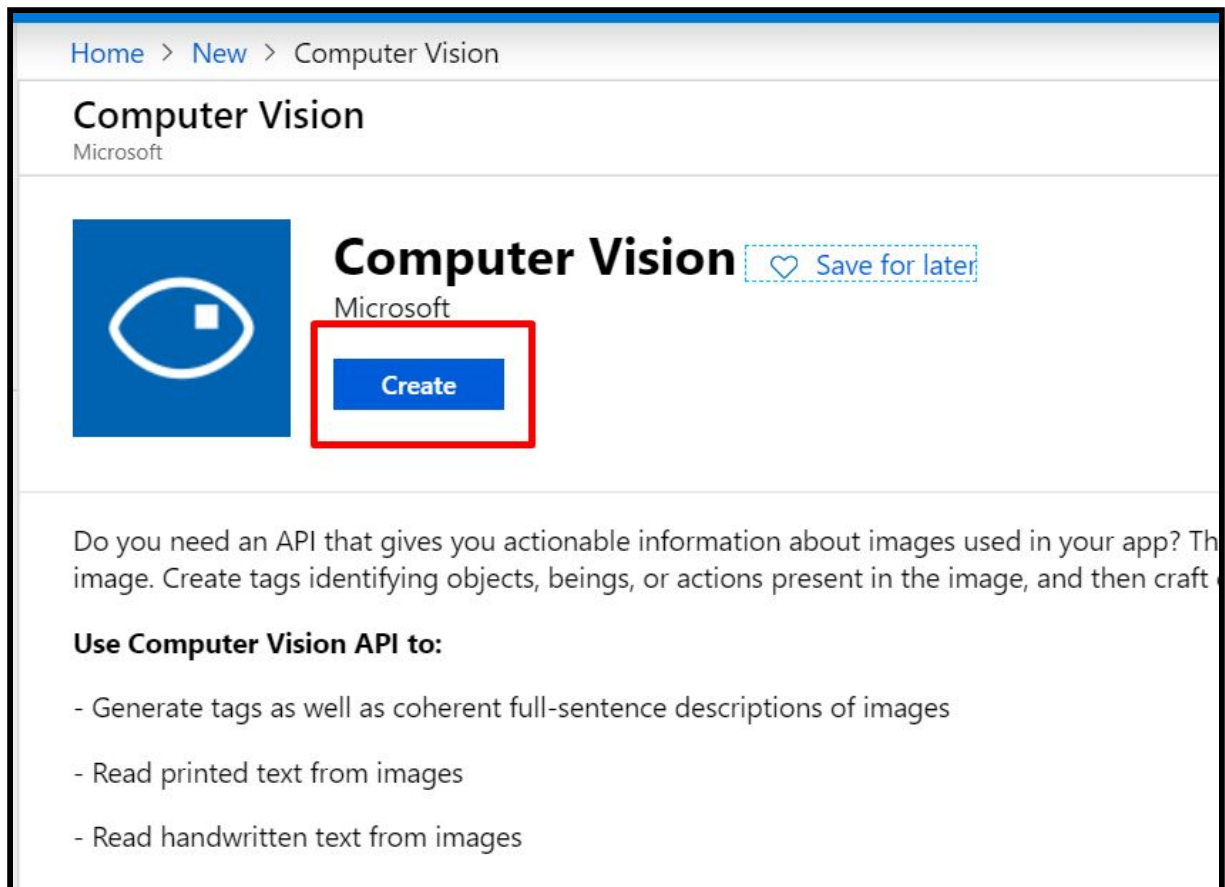
1. Ir a la página <https://portal.azure.com> e iniciar sesión con una cuenta Microsoft.
2. Esto nos llevará al home, y debemos dar click en **“Create a resource”**



3. Buscar **“Computer Vision”**.

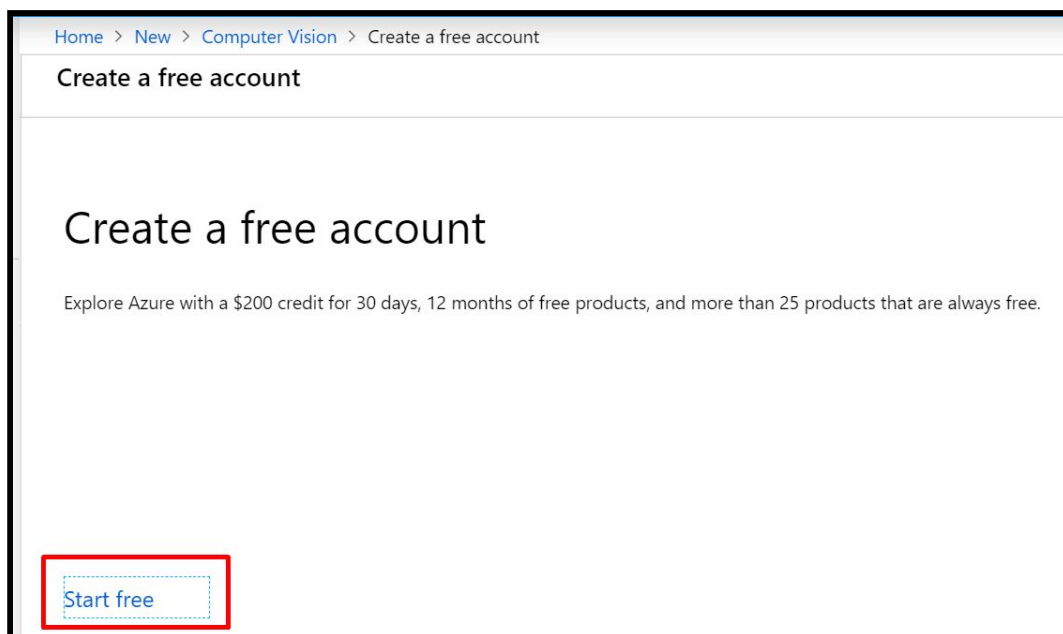


4. Click en “**Create**”.



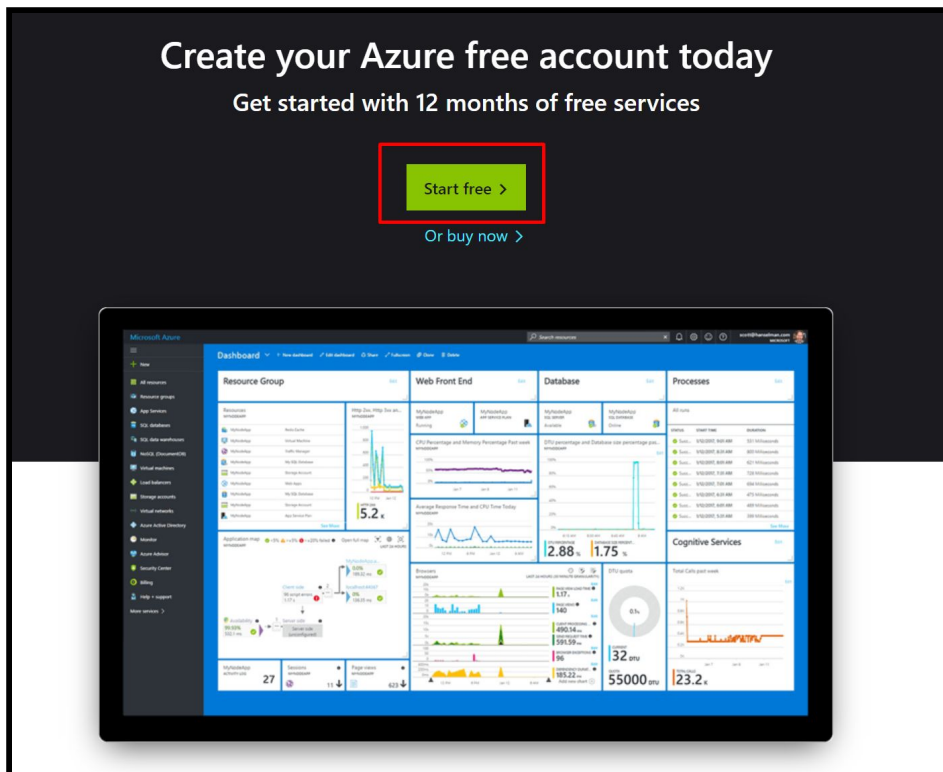
The screenshot shows the Microsoft Computer Vision product page. At the top, there is a breadcrumb trail: Home > New > Computer Vision. Below this, the page title is "Computer Vision" with the Microsoft logo underneath. To the left of the title is a blue square icon containing a white eye shape with a small square in the center. To the right of the icon is the text "Computer Vision" in a large, bold font, followed by "Microsoft" in a smaller font. A blue button with the word "Create" in white is highlighted with a red rectangular box. To the right of the "Create" button is a link that says "Save for later" with a heart icon. Below the product information, there is a paragraph of text: "Do you need an API that gives you actionable information about images used in your app? The image. Create tags identifying objects, beings, or actions present in the image, and then craft". Below this paragraph, there is a section titled "Use Computer Vision API to:" followed by a list of three bullet points: "- Generate tags as well as coherent full-sentence descriptions of images", "- Read printed text from images", and "- Read handwritten text from images".

5. Crear una cuenta gratuita, click en “**Start Free**”.



The screenshot shows the "Create a free account" page. At the top, there is a breadcrumb trail: Home > New > Computer Vision > Create a free account. Below this, the page title is "Create a free account". Below the title, there is a paragraph of text: "Explore Azure with a \$200 credit for 30 days, 12 months of free products, and more than 25 products that are always free." At the bottom left of the page, there is a blue button with the text "Start free" in white, which is highlighted with a red rectangular box.

6. Click en “**Start Free**” nuevamente.



7. Ingresar los datos que pide:

Start with a \$200 credit for 30 days, and keep going for free

### 1 About you

Country/Region ⓘ

Chile

First name

Last name

Email address ⓘ

Phone

Example: 9 1234 5678

Next

### 2 Identity verification by phone

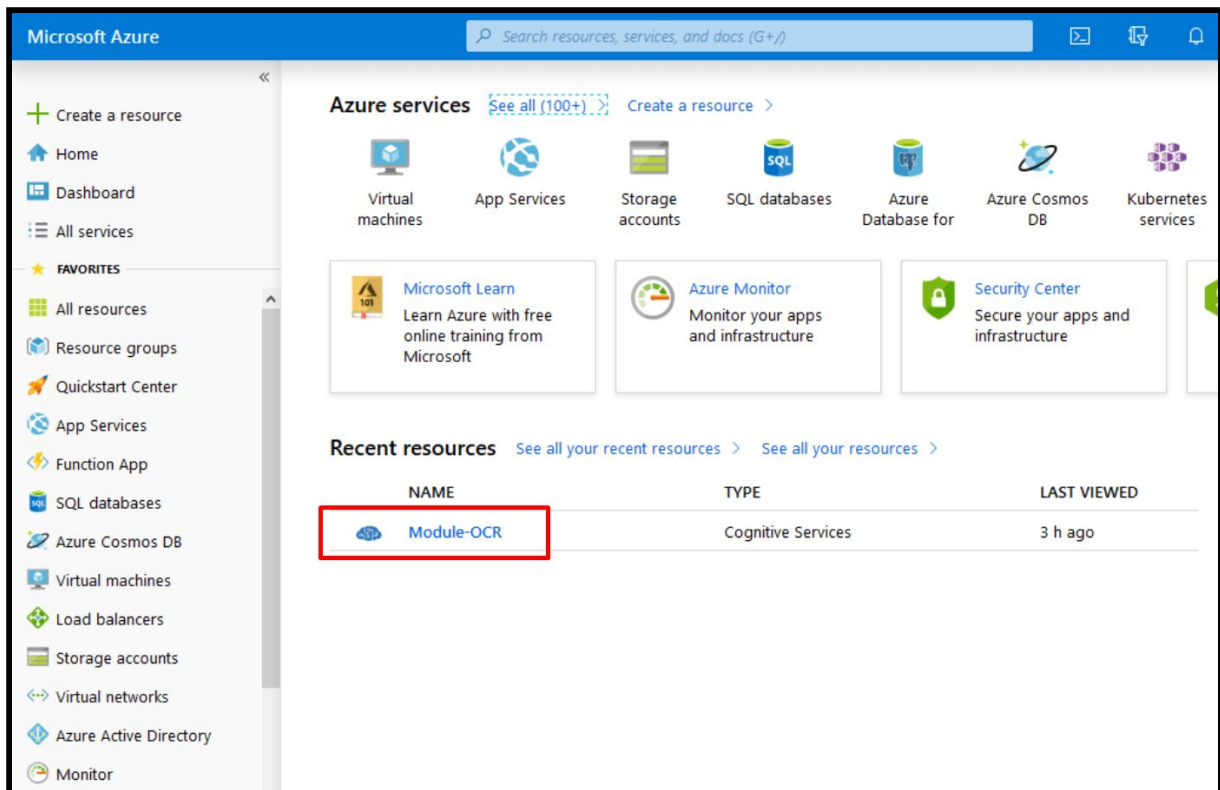
### 3 Identity verification by card

### 4 Agreement

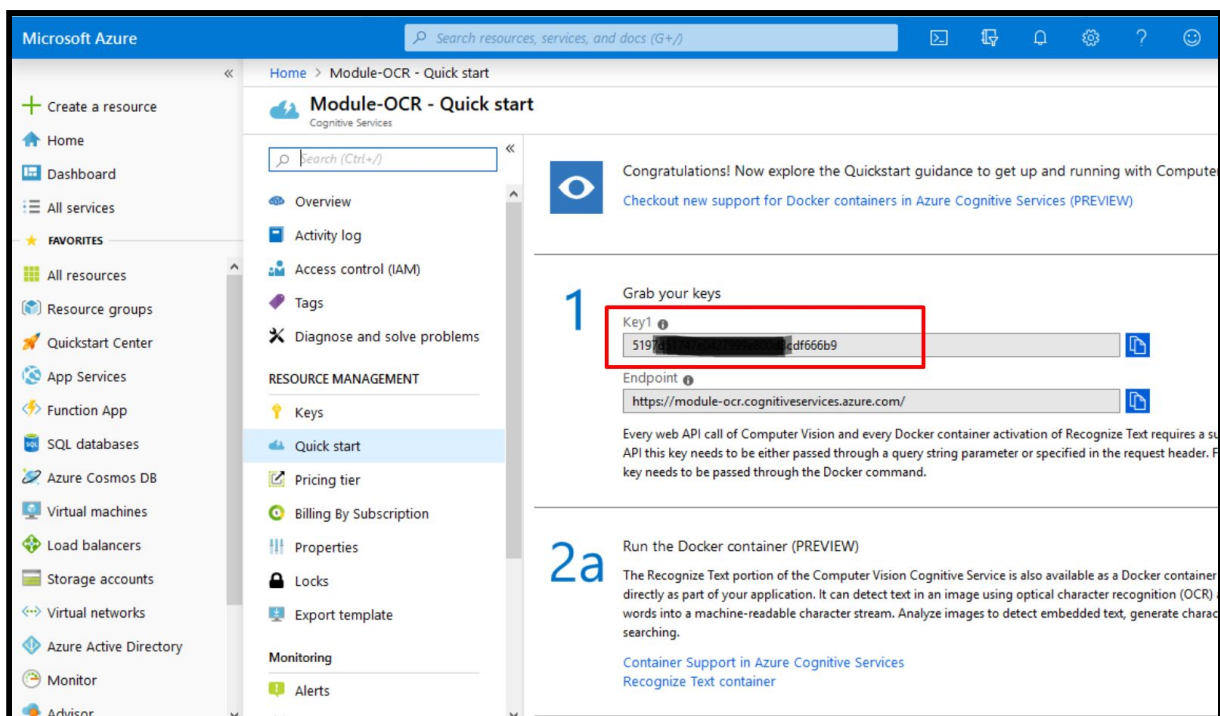
### What's included

- ✓ **12 months**  
Get free access to Azure services like virtual machines, storage, and databases for 12 months on your account. After that, pricing applies.
- ✓ **\$200 credit**  
Use your credit for any Azure services for the first 30 days—before your free trial ends.
- ✓ **25+ always free**  
Take advantage of always free products, services, and features like Azure Functions, Azure Container Instances, and Azure Logic Apps.
- ✓ **No auto-renewal**  
You won't be charged for your free trial. You can choose to upgrade to a paid subscription at any time.

8. Luego debemos dar click en el Recurso creado:



9. Nos mostrará la key:



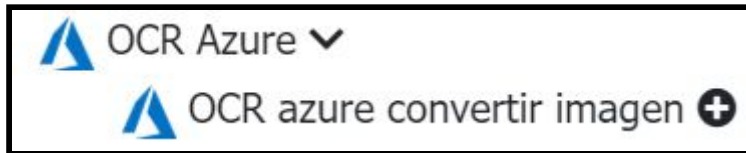
10. Finalmente vamos a “**Overview**” para obtener la región:

The screenshot displays the Microsoft Azure portal interface for the 'Module-OCR' resource. The left-hand navigation pane shows the 'Overview' tab selected. The main content area displays the resource details for 'Module-OCR' in the 'Rocket' resource group. The 'Location' is highlighted as 'East US'. The 'Quota info' section shows a free tier total of 5000 calls, with 4889 calls remaining and a 30.00 day rest period.

Quota info
Free tier Total
5000 Calls
Free tier Remaining
4889 Calls
Free tier Rest period
30.00 Days

## TRABAJANDO CON EL MÓDULO

1. Ir al menú “**Mods**” y entrar al módulo “**OCR Azure**”.



2. Debemos ingresar los siguientes datos:

**Imagen:** Buscar la ruta donde se encuentra el archivo .jpg

**Ingrese su key:** Ingresar la key que nos entrega Azure.

**Seleccione Región:** Seleccionar la que nos muestra en la página de Azure.

**Resultado:** Nombre de la variable donde asignaremos el resultado, va sin llaves {}.


A screenshot of a configuration window for the 'OCR azure convertir imagen' module. The window has a title bar with the module name and the 'OCR Azure' logo. Below the title bar is a light blue banner with a question mark icon and the text 'Extrae texto de una imagen.' The main area contains several input fields: 'Imagen:' with a text box containing a file path and a 'Buscar' button; 'Ruta o url de la imagen' (a label); 'Ingrese su key' with a text box containing '{key}'; 'Busque su key en https://portal.azure.com' (a label); 'Seleccione Región' with a dropdown menu showing 'East US'; 'Resultado' with a text box containing 'azure'; and 'Variable donde se almacena el resultado sin {}' (a label). At the bottom right are two buttons: 'Agregar Comando' and 'Cancelar'.




3. Al ejecutar el comando obtendremos algo como lo siguiente:

```
azure    {'language': 'es', 'textAngle': 0.0, 'orientation': 'Up', 'regions': [{'boundingBox': '199,131,860,1377', 'lines':
[{'boundingBox': '319,131,120,22', 'words': [{'boundingBox': '319,133,28,18', 'text': 'de'}, {'boundingBox':
'354,131,20,20', 'text': 'la'}, {'boundingBox': '384,133,55,20', 'text': 'Pena'}]}, {'boundingBox': '408,209,449,55', 'words':
[{'boundingBox': '408,209,449,55', 'text': 'ANUNCIO'}]}, {'boundingBox': '291,360,768,48', 'words': [{'boundingBox':
'291,360,76,34', 'text': 'Por'}, {'boundingBox': '387,362,122,36', 'text': 'medio'}, {'boundingBox': '531,363,59,35', 'text':
'del'}, {'boundingBox': '610,367,172,41', 'text': 'presente'}, {'boundingBox': '802,374,41,27', 'text': 'se'}, {'boundingBox':
'861,367,198,35', 'text': 'comunica'}]}, {'boundingBox': '209,442,850,48', 'words': [{'boundingBox': '209,452,86,35',
'text': 'que'}, {'boundingBox': '315,442,107,38', 'text': 'hasta'}, {'boundingBox': '445,445,35,35', 'text': 'el'},
{'boundingBox': '500,445,172,45', 'text': 'próximo'}, {'boundingBox': '693,446,61,37', 'text': 'día'}, {'boundingBox':
'778,449,21,34', 'text': '2'}, {'boundingBox': '823,449,65,34', 'text': 'DE'}, {'boundingBox': '908,449,151,38', 'text':
'JUNIO'}]}, {'boundingBox': '206,524,853,49', 'words': [{'boundingBox': '206,524,61,35', 'text': 'del'}, {'boundingBox':
'297,525,105,37', 'text': '2.015'}, {'boundingBox': '442,538,21,24', 'text': 'a'}, {'boundingBox': '494,528,55,34', 'text': 'las'},
{'boundingBox': '580,528,103,35', 'text': '1500'}, {'boundingBox': '713,531,127,42', 'text': 'horas'}, {'boundingBox':
'867,531,107,38', 'text': 'todos'}, {'boundingBox': '1004,534,55,35', 'text': 'los'}]}, {'boundingBox': '206,607,850,51',
'words': [{'boundingBox': '206,607,232,38', 'text': 'interesados'}, {'boundingBox': '476,610,146,45', 'text': 'podrán'},
{'boundingBox': '662,617,196,41', 'text': 'presentar'}, {'boundingBox': '895,624,47,27', 'text': 'en'}, {'boundingBox':
'981,620,75,32', 'text': 'este'}]}, {'boundingBox': '205,692,851,52', 'words': [{'boundingBox': '205,692,306,45', 'text':
'Ayuntamiento,'}, {'boundingBox': '580,699,205,42', 'text': 'propuesta'}, {'boundingBox': '856,706,94,38', 'text': 'para'},
{'boundingBox': '1022,699,34,35', 'text': 'la'}]}, {'boundingBox': '205,775,851,47', 'words': [{'boundingBox':
```

4. Para limpiar la data y extraer solo el texto podemos hacer lo siguiente, con el comando **“Asignar Variable”** escribimos: `{azure}["textAnnotation"]` y lo asignamos a la variable `{azure}`.

 **Asignar Variable**

 Puede asignar un dato a una variable o un comando predefinido.

Dato:

`{azure}["textAnnotation"]`

Asignar resultado a variable

azure

Agregar Comando

Cancelar

5. El resultado será el siguiente:

```
azure    de la Pena ANUNCIO Por medio del presente se comunica que, hasta el próximo día 2 DE JUNIO del 2.015 a las 1500
horas, todos los interesados podrán presentar en este Ayuntamiento, propuesta para la prestación del Servicio de Bar,
Despacho y Vigilancia dg Entradas en las Piscina Municipal de Santibáñez de la Peña (Palencia), para la temporada
verano 2015& Las condiciones y el modelo de propuesta serán facilitados en las Oficinas Municipales. a de may:' del
DE ENV NCIONVS
```