

✓ 100 XP

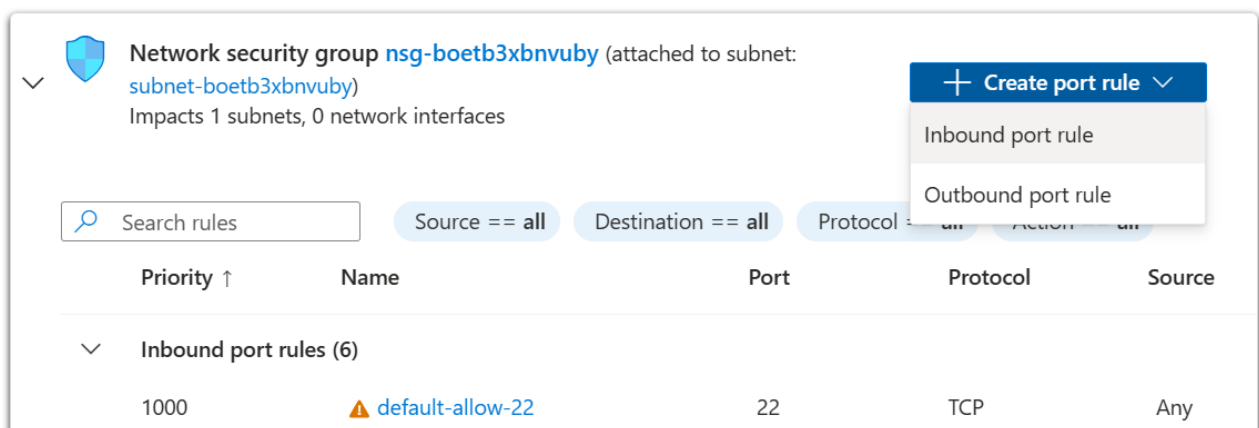
Exercise - Test Azure AI services on the IoT Edge device

7 minutes

You'll make an HTTP call to the Azure IoT Edge device that has the Azure AI services container running. The container provides REST-based query prediction endpoint APIs. Use the host, `http://<<your-ipaddress>>:5000`, for container APIs.

Open port 5000 of the edge device.


1. Go to the edge device VM you created in the Azure portal.
2. Under **Networking**, select **Network settings**.
3. Navigate to **Rules** section to add an inbound security rule to open port 5000.
 - a. Select the **Create port rule** button and select **Inbound port rule**.

Rules  Collapse all

Network security group **nsg-boetb3xbnvuby** (attached to subnet: **subnet-boetb3xbnvuby**)
Impacts 1 subnets, 0 network interfaces

Search rules

Source == all Destination == all Protocol == all Action == allow

Priority ↑	Name	Port	Protocol	Source
Inbound port rules (6)				
1000	 default-allow-22	22	TCP	Any

- b. Set the **Destination Port Ranges** to **5000**
- c. Set the **Name** to **Port_5000**
- d. Select the **Add** button



Add inbound security rule



nsg-boetb3xbnvuby

Source ⓘ

Any



Source port ranges * ⓘ

*

Destination ⓘ

Any



Service ⓘ

Custom



Destination port ranges * ⓘ

5000



Protocol



Any



TCP



UDP



ICMP

Action



Allow



Deny

Priority * ⓘ

1030



Name *

Port_5000



Description

[Add](#)[Cancel](#)[Give feedback](#)

- Copy the public IP address of your edge device from the overview page.

Query the Azure AI services container running on your IoT Edge device from any browser

[Expand table](#)

Request URL	Purpose
<code>http://<<your-ipaddress>>:5000/</code>	The container provides a home page.
<code>http://<<your-ipaddress>>:5000/status</code>	Requested with an HTTP GET, to validate that the container is running without causing an endpoint query.
<code>http://<<your-ipaddress>>:5000/swagger</code>	The container provides a full set of documentation for the endpoints and a Try it out feature.

- Open the browser, and replace the IP address of edge device with `<<your-ipaddress>>`.
- Go to `http://<<your-ipaddress>>:5000`.
- Select **API Description** or go to `http://<<your-ipaddress>>:5000/swagger` to get a detailed description of the API.
- Select **Try it out** and then **Execute**. You can change the input value as you like. The result shows up farther down on the page.

Detect Language V3

POST /text/analytics/v3.0/languages Detect Language V3

Parameters Cancel

Name	Description
showStats boolean (query)	(optional) if set to true, response will contain input and document level statistics.
model-version string (query)	(optional) This value indicates which model be used for scoring.

Request body application/json-patch+json

The input is an array of Documents each describing a piece of text to be analyzed.

```
{
  "documents": [
    {
      "text": "Microsoft is located at Redmond, WA.",
      "id": "1"
    },
    {
      "text": "Bonjour tout le monde",
      "id": "2"
    },
    {
      "text": "La carretera estaba atascada. Había mucho tráfico el día de ayer.",
      "id": "3"
    }
  ]
}
```

Execute

Next unit: Knowledge check

Continue >