

# **Azure Integration Services (AIS)**

## **Lab 3**

### **Managing APIs in APIM**

## **DISCLSIMER**

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## Lab 3 – Managing APIs in APIM

Duration of Lab	<ul style="list-style-type: none"><li>45m~1h</li></ul>
Prerequisite(s)	<ul style="list-style-type: none"><li>Azure Subscription and Resource Group</li><li><b>Contributor</b> Role in a selected Resource Group</li><li>Access to the Internet</li></ul>
Tool(s)	<ul style="list-style-type: none"><li>Azure Portal</li></ul>
Exercises	<ol style="list-style-type: none"><li>Mock API Responses (15m)</li><li>Versions and Revisions (20m)</li><li>Policy Management (20m + 20m Optional)</li></ol>
Subscription	[Selected Subscription]
Resource Group	[Selected RG]
Navigation	Throughout this Lab, we will open and use several Browser tabs for easy access. Until the end of the Lab, keep your Browser tabs open.

### Naming Convention for Labs

For completing various labs during the workshop, we will use this naming convention. It is slightly different from Microsoft online guidance ([Define your naming convention - Cloud Adoption Framework | Microsoft Learn](#)).

The naming convention below is designed to group your Azure resources together for easy access.

**[you name/initials]-[short name for Azure service]-[service description]**

## Exercise 1- Mock API responses

Prerequisite(s)	<ul style="list-style-type: none"><li>• APIM Instance</li></ul>
Topics	In this exercise, we will cover the following topics. <ul style="list-style-type: none"><li>• Mock policy for testing</li></ul>
Duration	<ul style="list-style-type: none"><li>• 15 min</li></ul>
Tool(s)	<ul style="list-style-type: none"><li>• Azure portal</li></ul>
Lab URL	<a href="#">About this workshop   Azure API Management Hands on Lab</a>
Subscription	[selected subscription]
Resource Group	[selected RG]

### Module 1 – Create a new APIM Instance

1. Open the tutorial page on **Mock API responses** ([Tutorial - Mock API responses in API Management - Azure portal | Microsoft Learn](#))
2. Follow the instructions and completed the exercise

### Summary



#### ACHIEVEMENTS

After you have completed the Lab, you are now able to:

- ✓ Add mock-response policy
- ✓ Test mocked API

## Exercise 2- Versions and Revisions

Prerequisite(s)	<ul style="list-style-type: none"> <li>• APIM Instance</li> </ul>
Topics	<p>In this exercise, we will cover the following topics.</p> <ul style="list-style-type: none"> <li>• Adding API versions</li> <li>• Import API</li> <li>• Calling APIs</li> </ul>
Duration	<ul style="list-style-type: none"> <li>• 20 min</li> </ul>
Tool(s)	<ul style="list-style-type: none"> <li>• Azure portal</li> </ul>
Subscription	[selected subscription]
Resource Group	[selected RG]
API Management	[your name/initials]-apim-labs

### Module 1 – Add API version (5m)

1. Go back to the Hands-on Lab site and select **Versions & Revisions** -> **Versions** menu on the left ([Versions | Azure API Management Hands on Lab](#))
2. Follow the instructions and complete the exercise
3. Different API developers have different requirements for versioning. APIM doesn't prescribe a single approach to versioning, but instead provides several options.
4. Understand different versioning options ([Versions in Azure API Management | Microsoft Learn](#))

### Module 2 – Add API revision (15m)

1. Understand the concept of API revisions ([Revisions in Azure API Management | Microsoft Learn](#))
2. Go back to the Hands-on Lab site and select **Versions & Revisions** -> **Revisions** menu on the left ([Revisions | Azure API Management Hands on Lab](#))
3. Follow the instructions and complete the exercise

### Summary



#### ACHIEVEMENTS

After you have completed the Lab, you are now able to:

- ✓ Add API versions
- ✓ Add API revisions
- ✓ Call different version APIs

## Exercise 3- Policy Management

Prerequisite(s)	<ul style="list-style-type: none"> <li>• APIM Instance</li> </ul>
Topics	<p>In this exercise, we will cover the following topics.</p> <ul style="list-style-type: none"> <li>• Understand APIM policies</li> <li>• Configure APIM policy</li> <li>• Use Named-Values</li> </ul>
Duration	<ul style="list-style-type: none"> <li>• 20 min + 20m for optional exercise</li> </ul>
Tool(s)	<ul style="list-style-type: none"> <li>• Azure portal</li> </ul>
Subscription	[selected subscription]
Resource Group	[selected RG]
API Management	[your name/initials]-apim-labs

### Module 1 – Understand APIM Policies (5m)

1. Go back to the Hands-on Lab site and select **Policy Expressions** menu on the left ([Policy Expressions | Azure API Management Hands on Lab](#))
2. Read the contents and understand APIM policies

### Module 2 – Understand CORS policy (5m)

1. Go back to the Hands-on Lab site and select **Policy Expressions -> CORS** menu on the left ([CORS policy | Azure API Management Hands on Lab](#))
2. Read the contents and understand CORS policy

### Module 3 – Named Values (10m)

1. Go back to the Hands-on Lab site and select **Policy Expressions -> CORS** menu on the left ([CORS policy | Azure API Management Hands on Lab](#))
2. Read the contents and understand Named-Value feature

### Module 4 – Managing secrets in APIM (Optional) (20m)

1. Follow the instructions on **Named Values in APIM policies** ([How to use named values in Azure API Management policies | Microsoft Learn](#)) and complete the tutorial

### Summary



#### ACHIEVEMENTS

After you have completed the Lab, you are now able to:

- ✓ Understand APIM policies overall
- ✓ Configure CORS policy
- ✓ Use Named-values in policy