

Azure Integration Services (AIS)

Lab 1

Introduction to Azure API Management (APIM)

DISCLSIMER

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Lab 1 - Introduction to Azure APIM Management (APIM)

Objective(s)	<ul style="list-style-type: none">• To understand the different concepts around Azure API Management, from the creation to the DevOps, including good practices in terms of versioning, security• It is designed to bring customers and partners to a 200-level understanding of Azure APIM Management
Duration of Lab	<ul style="list-style-type: none">• 1h
Prerequisite(s)	<ul style="list-style-type: none">• Azure Subscription and Resource Group• Contributor Role in a selected Resource Group• Access to the Internet
Tool(s)	<ul style="list-style-type: none">• Azure Portal
Exercises	<ol style="list-style-type: none">1. Create APIM Instance (15m)2.
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.

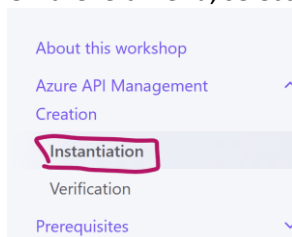
[you name/initials]-[short name for Azure service]-[service description]


Exercise 1- Create APIM Instance (15m)

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

Module 1 – Create a new APIM Instance

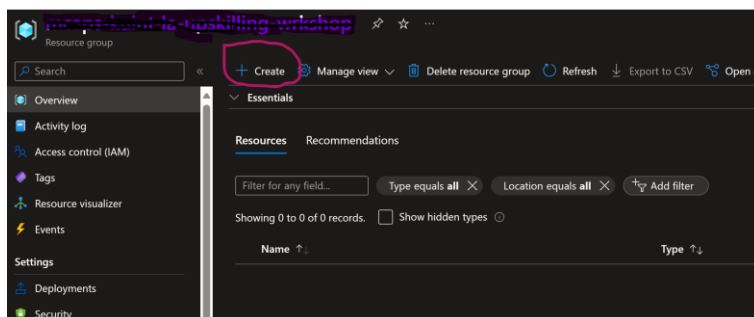
1. Go to the *Hands-on Lab* site (URL above)
2. On the left menu, select **Azure API Management Creation -> Instantiation**



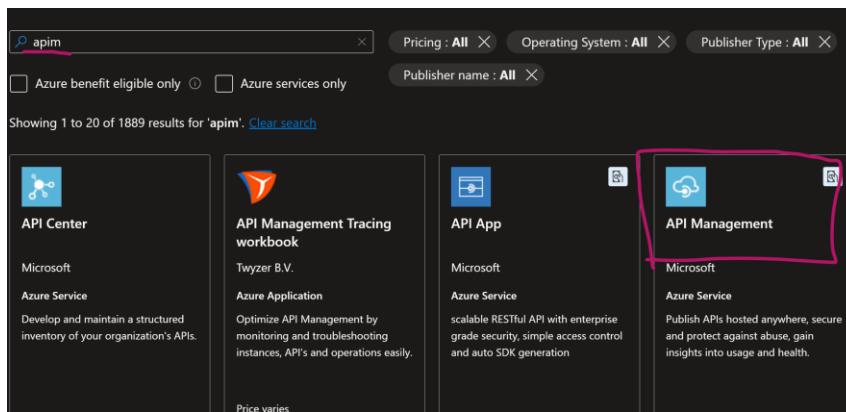
3. For the lab exercise, we will not deploy using . Ignore the suggested naming conventions in the instructions here
4. Scroll down and find the Create API management service (screenshot) section that shows you example details for setting up APIM
5. Go to *Azure Portal*
6. Select Resource groups menu



- 7.
8. Find the right Resource Group in the list for today's lab and select it
9. Within the *Overview* menu, select the **Create** button

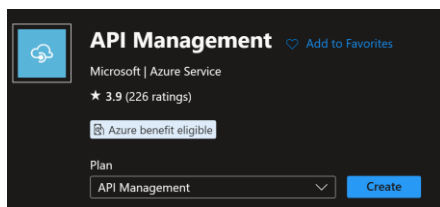


10. Type **APIM** in the search box and select **API Management resource**



11. Note: You can create APIM from various areas in Azure portal. Doing this way, pre-fills the Subscription and Resource Group fields for you automatically.

12. Click the **Create** button



13. Enter the following details

Area	Value
Subscription	[Selected subscription]
Resource Group	[Selected RG]
Region	Australia East (or pre-selected based on selected Resource Group)
Resource name	[your name/initials]-apim-labs
Organisation name	[any value is fine for the lab. Or enter your organisation's name]
Administrator email	[your email address] Note: This email is used to contact an administrator in the event of APIM service issue (e.g. unavailable)
Pricing tier	Developer (no SLA)

14. Click the **Next: Monitor + secure>** button
15. Click the **Next: Virtual network>** button
Connectivity type = **None**
16. Click the **Next: Managed identity >** button
17. Click the **Next: Review + install >** button
18. At the Review + install tab, click the **Create** button at the bottom
19. It takes a few minutes for a new APIM instance to be created
20. Once the resource is created, go to the resource

Module 2 – Verify APIM Instance

1. Go back to the Hands-on Lab instruction and select the [Verification menu](#) on the left

2. Complete the first section of the instructions. Don't worry about the next section – *Verification Failure (and Path to Success)*
3. You have successfully deployed your APIM

Summary



ACHIEVEMENTS

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

- ✓ Create an API Management instance
- ✓ Verify the newly created instance

Exercise 2- Add APIs (30min)

Prerequisite(s)	<ul style="list-style-type: none"> • APIM Instance
Topics	<p>In this exercise, we will cover the following topics.</p> <ul style="list-style-type: none"> • Adding API from scratch • Import API • Calling APIs
Duration	<ul style="list-style-type: none"> • 30 min
Tool(s)	<ul style="list-style-type: none"> • Azure portal
Subscription	[selected subscription]
Resource Group	[selected RG]
API Management	[your name/initials]-apim-labs

Module 1 – Add API from scratch

1. Go back to the Hands-on Lab site and select **Adding APIs -> Add API from scratch** menu on the left ([Add API from scratch | Azure API Management Hands on Lab](#))
2. Follow the instructions and complete the exercise

Module 2 – Import API using OpenAPI

1. Go back to the Hands-on Lab site and select **Adding APIs -> Import API using OpenAPI** menu on the left ([Import API using OpenAPI | Azure API Management Hands on Lab](#))
2. Follow the instructions and complete the exercise

Module 3 – Calling APIs

1. Go back to the Hands-on Lab site and select **Adding APIs -> Calling APIs** menu on the left ([Calling Apis | Azure API Management Hands on Lab](#))
2. Follow the instructions and complete the exercise

Summary



ACHIEVEMENTS

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

- ✓ Add API from scratch
- ✓ Import API using OpenAPI specification
- ✓ Enable CORS
- ✓ Configure rate limiting policy
- ✓ Call API using the default product(s)