



Azure API Management




Define a new API



HTTP
Manually define an HTTP API




WebSocket
Streaming, full-duplex communication with a WebSocket server




GraphQL
Access the full capabilities of your data from a single endpoint.


Create from definition




OpenAPI
Standard, language-agnostic interface to REST APIs



WADL
Standard XML representation of your RESTful API

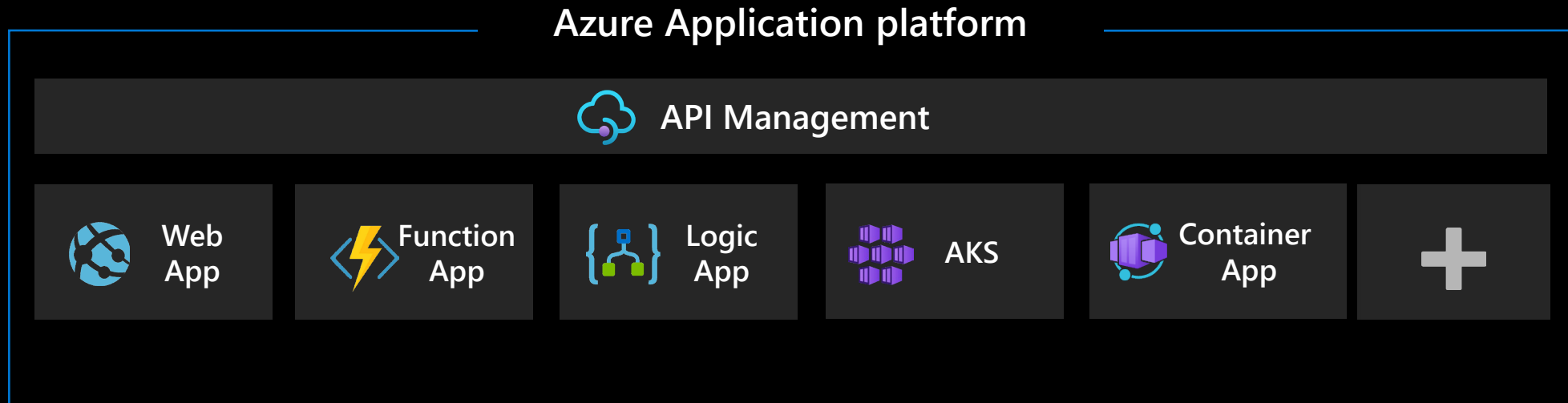


WSDL
Standard XML representation of your SOAP API

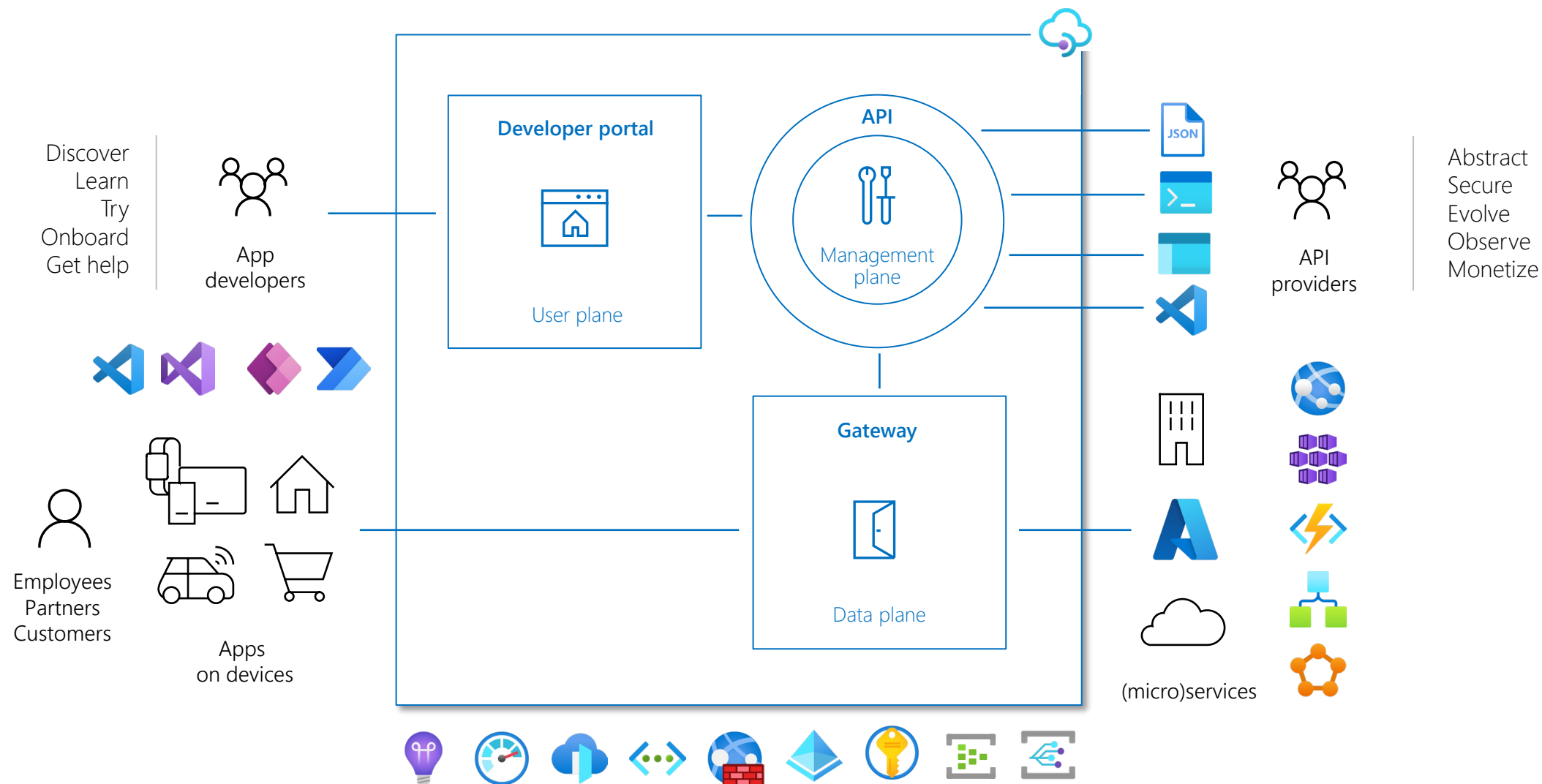


OData
Standard XML representation of your OData API


Where to host my API in Azure ?



Azure API Management



API Management and API

 **apim-public-700 | APIs** ☆ ...

API Management service

[Developer portal](#) [Send us your feedback](#)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Events

Settings

Platform migration

Properties

Locks

APIs

Workspaces (preview)

APIs

Products

Subscriptions

Named values

Backends

Policy fragments

API Tags

☐ Group by tag

+ Add API

All APIs


Conference API

...


Mock API

...


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OData
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API Management policies

- Security
- Caching
- Integration
- Throttling and quota limits
- Transformations
- Mocking
- ... and more

REVISION 1 CREATED Jan 2, 2024, 7:17:23 AM

Design Settings Test Revisions (1) Change log

Search operations
Filter by tags
☐ Group by tag
+ Add operation

All operations

GET	GetSession	...
GET	GetSessions	...
GET	GetSessionTopics	...
GET	GetSpeaker	...
GET	GetSpeakers	...
GET	GetSpeakerSess...	...
GET	GetSpeakerTopi...	...
GET	GetTopic	...
GET	GetTopics	...
GET	GetTopicSessions	...

Operations Definitions

Add inbound policy

Filter IP addresses
`ip-filter`
Set filtering of incoming requests based on allowed or blocked IP addresses.
[Learn more](#)

Limit call rate
`rate-limit-by-key`
Set rate limit policy to control the number of requests reaching the backend service.
[Learn more](#)

Mock responses
`mock-response`
Set mocking policy to return a response based on the defined samples, rather than by calling the backend service.
[Learn more](#)

Set query parameters
`set-query-parameter`
Add, remove or change the query parameters that are passed to the backend service.
[Learn more](#)

Set headers
`set-header`
Set policy to add, remove or change headers that are passed to the backend service.
[Learn more](#)

Allow cross-origin resource sharing (CORS)
`cors`
Set CORS policy to allow cross-domain calls from browser-based clients.
[Learn more](#)

Cache responses
`cache-lookup/store`
Set response caching policies to reduce API latency, bandwidth consumption and web service load.
[Learn more](#)

Set usage quota by key
`quota-by-key`
Enforces a renewable or lifetime call volume and/or bandwidth quota, on a per key basis.
[Learn more](#)

Validate content
`validate-content`
Set policy to validate the size or JSON schema of a request or response body against the API schema.
[Learn more](#)

Validate parameters
`validate-parameters`
Set policy to validate the response parameters against the API schema.
[Learn more](#)

Validate JWT
`validate-jwt`
Enforces existence and validity of a JWT extracted from either a specified HTTP header or a specified query parameter.
[Learn more](#)

Other policies
[<>](#)
Navigate to the code editor to implement other policies directly in XML file.
[Learn more](#)

Discard

API Management developer portal

- discover APIs
- learn how to use them
- test them out with interactive console
- create and manage accounts
- request and manage API access
- analyze API usage

The screenshot displays the Contoso API Management developer portal. At the top, the 'contoso' logo is on the left, and navigation links for 'Home', 'APIs', 'Products', 'Sign in', and 'Sign up' are on the right. Below the logo, a dropdown menu shows 'Conference API'. A search bar labeled 'Search operations' is present, along with a 'Group by tag' toggle switch. A list of API operations is shown on the left, including 'GetSession', 'GetSessions', 'GetSessionTopics', 'GetSpeaker', 'GetSpeakers', 'GetSpeakerSessions', 'GetSpeakerTopics', 'GetTopic', 'GetTopics', 'GetTopicSessions', 'GetTopicSpeakers', and 'SubmitSession'. The 'GetSession' endpoint is selected, showing its description: 'Retrieve a representation of a single session by Id'. A 'Try it' button is visible. Below the description, the 'Request' section shows the HTTP method 'GET' and the URL 'https://apim-public-700.azure-api.net/conference/session/{id}'. The 'Request parameters' section contains a table with columns 'Name', 'In', 'Required', 'Type', and 'Example'. The table has one row for the 'id' parameter, which is a required integer in the path. The 'Response' section shows 'Response: 200 OK' and 'OK'.

contoso

Home APIs Products Sign in Sign up

Conference API

Search operations

API definition Changelog

Group by tag

GET **GetSession** Retrieve a representation of a single session by Id

Request

GET https://apim-public-700.azure-api.net/conference/session/{id}

Request parameters

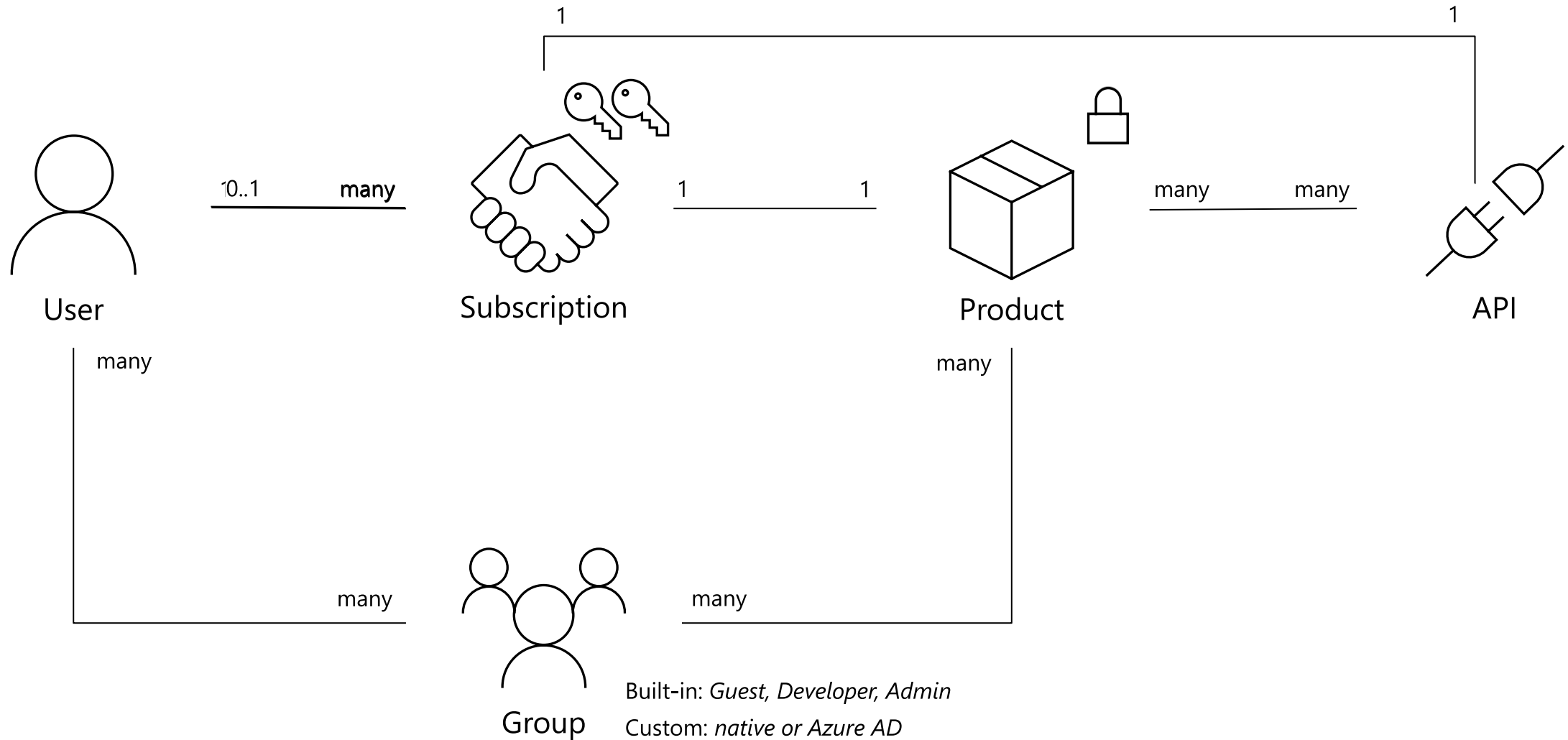
Name	In	Required	Type	Example
id	template	true	integer	

Response: 200 OK

OK

Try it ▶

API Management objects



API Management SKU and features

Pricing tier options See detailed pricing information here	Consumption Lightweight and serverless version of API Management service, billed per execution	Developer Non-production use cases and evaluations	Basic API management for teams and projects	Standard Medium-volume production use cases	Premium High-volume or enterprise production use cases
SLA Learn more	99.95%	✗	99.95%	99.95%	99.99% ⓘ
Maximum number of scale-out units Learn more	N/A ⓘ	1	2	4	10 per region ⓘ
Monthly API requests	1M included ⓘ	Not metered	Not metered	Not metered	Not metered
Cache	External only	10 MB per unit	50 MB per unit	1 GB per unit	5 GB per unit

learn.microsoft.com/en-us/azure/api-management/api-management-features

API Management SKU and features

Feature	Consumption	Developer	Basic	Standard	Premium
Microsoft Entra integration	No	Yes	No	Yes	Yes
Virtual Network (VNet) support	No	Yes	No	No	Yes
Private endpoint support for inbound	No	Yes	Yes	Yes	Yes
Multi-region deployment	No	No	No	No	Yes
Availability zones	No	No	No	No	Yes
Multiple custom domain names	No	Yes	No	No	Yes
Developer portal	No	Yes	Yes	Yes	Yes
Built-in cache	No	Yes	Yes	Yes	Yes
Built-in analytics	No	Yes	Yes	Yes	Yes
Self-hosted gateway	No	Yes	No	No	Yes
Workspaces	No	Yes	No	Yes	Yes
TLS settings	Yes	Yes	Yes	Yes	Yes
External cache	Yes	Yes	Yes	Yes	Yes
Backup and restore	No	Yes	Yes	Yes	Yes
Management over Git	No	Yes	Yes	Yes	Yes
Static IP	No	Yes	Yes	Yes	Yes
Estimated maximum throughput (per unit)	N/A	500 requests/sec	1,000 requests/sec	2,500 requests/sec	4,000 requests/sec

API Management pricing (v1)

	Consumption	Developer	Basic	Standard	Premium
Price (per unit)	0-1 million API operations per subscription – Included, 1+ million API operations, \$0.035 per 10,000 API operations	\$48/month	\$147/month	\$686/month	\$2,795/month additional instance charged at 50% of the first unit purchased.

azure.microsoft.com/en-us/pricing/details/api-management/

API Management network options

APIM could be exposed only through public endpoint (not attached to VNET) (**None**).

When you deploy APIM into your VNET, the APIM nodes are build using private IPs from the subnet.

You will have the choice of placing your APIM Gateway behind a:

- Public Azure Load Balancer IP (**External**)
- Internal Azure Load Balancer IP (**Internal**)

APIM also supports **Private Endpoint**.

Create API Management service

API Management service

Basics Monitoring Scale Managed identity **Virtual network**

Network connectivity

You can connect to your Azure API Management instance either publicly, via public IP addresses or service endpoints, or privately, using a private endpoint.

Connectivity type ☐ None ☒ Virtual network ☐ Private endpoint

Virtual network

Type ☐ External ☒ Internal

Configure virtual networks

Virtual network * [Create new](#)

Subnets *

Public IP address *

API Management network options

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