



# Azure Purview Workshop

Wednesday, 20<sup>th</sup> October 2021

# Azure Purview Partner Accelerator Series

~~Data Governance with Azure Purview~~

~~Tuesday, 19<sup>th</sup> October 2021 | 14:00 – 15:00 (GMT +01:00 BST Europe/London)~~

**Azure Purview Workshop (Hands-On)**

**Wednesday, 20<sup>th</sup> October 2021 | 09:30 – 15:30 (GMT +01:00 BST Europe/London)**

Azure Purview REST API

Thursday, 21<sup>st</sup> October 2021 | 14:00 – 15:00 (GMT +01:00 BST Europe/London)

# UK Azure Partner Technical Community

Are you a member of the UK Azure partner technical community?

The UK Azure Partner Technical Community is designed for like-minded technical professionals within the UK partner community to hear from Microsoft's UK technical teams, and keep informed of the latest events, updates, and news relating to the Azure platform.

We value your support, your collaboration, and your ongoing feedback, and we look forward to your participation in this community created for you!

<https://aka.ms/APTC>



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# Agenda

	Mississauga/Miami/New Jersey (GMT-4)		London (GMT+1)		Prague/Cologne/Oslo (GMT+2)		Bucharest (GMT+3)		Singapore (GMT+8)	
Kick-Off	04:30	05:00	09:30	10:00	10:30	11:00	11:30	12:00	16:30	17:00
Workshop	05:00	05:30	10:00	10:30	11:00	11:30	12:00	12:30	17:00	17:30
	05:30	06:00	10:30	11:00	11:30	12:00	12:30	13:00	17:30	18:00
	06:00	06:30	11:00	11:30	12:00	12:30	13:00	13:30	18:00	18:30
	06:30	07:00	11:30	12:00	12:30	13:00	13:30	14:00	18:30	19:00
Break	07:00	07:30	12:00	12:30	13:00	13:30	14:00	14:30	19:00	19:30
	07:30	08:00	12:30	13:00	13:30	14:00	14:30	15:00	19:30	20:00
Workshop	08:00	08:30	13:00	13:30	14:00	14:30	15:00	15:30	20:00	20:30
	08:30	09:00	13:30	14:00	14:30	15:00	15:30	16:00	20:30	21:00
	09:00	09:30	14:00	14:30	15:00	15:30	16:00	16:30	21:00	21:30
	09:30	10:00	14:30	15:00	15:30	16:00	16:30	17:00	21:30	22:00
Q&A with Azure Purview Product Team	10:00	10:30	15:00	15:30	16:00	16:30	17:00	17:30	22:00	22:30

# Pre-requisites

- Access to an active Azure subscription.
- Sufficient permissions to deploy resources and assign RBAC roles.
- If you do not have access to an Azure subscription, you can sign up for a free account at <https://www.azure.com/free>
- If you do not have access to an active Azure subscription and having trouble setting up a free Azure account, please let your team leader know.

# Resource Providers

A common issue users typically face are “missing Resource Providers” (e.g. [Microsoft.EventHub](#), [Microsoft.Purview](#), etc).

Missing Resource Providers can be registered via:

1. Azure Portal > Subscriptions > YOUR\_SUB > Resource Providers
2. Select the missing Resource Provider
3. Click [Register]

The screenshot shows the Azure Portal interface. The breadcrumb navigation at the top reads: Dashboard > Subscriptions > Azure Internal Access. The left sidebar shows the 'Subscriptions' section with a list of subscriptions, including 'Azure Internal Access'. The main content area is titled 'Azure Internal Access | Resource providers'. It features a search bar, a 'Register' button (highlighted with a red box), and an 'Unregister' button. Below this is a table of registered resource providers.

Provider	Status
Microsoft.Management	Registered
Microsoft.Web	Registered
Microsoft.MachineLearningServices	Registered
microsoft.insights	Registered
Microsoft.Storage	Registered
Microsoft.ContainerRegistry	Registered
Microsoft.KeyVault	Registered
Microsoft.ManagedIdentity	Registered
Microsoft.ContainerInstance	Registered
Microsoft.Notebooks	Registered
Microsoft.AlertsManagement	Registered

# Lab Environment

- Navigate to <https://aka.ms/purviewlab>
- Click **Lab Environment**

# Knowledge Checks

- Knowledge checks to be completed at the completion of each module.
- Each **individual** must submit a knowledge check before proceeding to the next module.
- Pay special attention to the *Did you know* snippets, these will help provide context for the Knowledge Check.





Feedback @ [aka.ms/purviewlab/pre](https://aka.ms/purviewlab/pre)

We  Feedback :)

Pre-Workshop Survey





Feedback @ [aka.ms/purviewlab/post](https://aka.ms/purviewlab/post)

We  Feedback :)  
Post-Workshop Survey



# Knowledge Check #1

1. Which of the following Azure Purview pricing meters is fluid, with consumption varying based on usage?

- A ) Capacity Units
- B ) vCore Hours**
- C ) Neither

vCore hours is the unit of measure for how we charge for scanning. As this is serverless compute, the meter is **fluid**. More information on the [Azure Purview pricing page](#).

2. Which of the following Azure Purview pricing meters is always on, with consumption based on quantity provisioned?

- A ) Capacity Units**
- B ) vCore Hours
- C ) Neither

Capacity units is the unit of measure for how we charge for platform throughput. While the elastic data map controls how many customers need, the meter is **always on** as accounts require a minimum of 1CU. More information on the [Azure Purview pricing page](#).

3. Which Azure Purview module provides the base functionality (i.e. source registration, automated scanning and classification, data discovery)?

- A ) C0**
- B ) C1
- C ) D0

C0 is the base module which includes search/browse/glossary/lineage. There are other modules such as C1 and D0 but pricing has yet to be determined. More information on the [Azure Purview pricing page](#).

4. Which predefined Azure Purview role provides access to manage data sources?

- A ) Purview Data Reader
- B ) Purview Data Curator
- C ) Purview Data Source Administrator**

Purview has a number of built-in roles. Data Source Administrator allows users to manage source and scans. See [Access control in Azure Purview](#) for more information.

# Knowledge Check #2

1. What type of object can help organize data sources into logical groups?

- A ) Buckets
- B ) Collections**
- C ) Groups

Collections is how Azure Purview logically groups data sources (and controls access to the metadata). For more information, check out the [Collections Best Practices](#).

2. At which point does Azure Purview begin to populate the data map with assets?

- A ) After an Azure Purview account is created
- B ) After a Data Source has been registered
- C ) After a Data Source has been scanned**

Azure Purview is empty (i.e. no assets) until a data source has been scanned.

3. Which of the following attributes is **not** automatically assigned to an asset as a result of the system-built scanning functionality?

- A ) Technical Metadata (e.g. Fully Qualified Name, Path, Schema, etc)
- B ) Glossary Terms (e.g. column Sales Tax is tagged with the Sales Tax glossary term)**
- C ) Classifications (e.g. column ccnum is tagged with the Credit Card Number classification)

A scan automatically extracts technical metadata and applies (where appropriate) classifications. Glossary terms do NOT get automatically applied as part of a scan and therefore require manual assignment (either via the UI or via the API).

# Knowledge Check #3

1. There are a number of attributes that we can use to narrow our search results via the filter pane, which of the following is not available as a quick filter?

- A ) Asset Type
- B ) Classification
- C ) Size**

This can be validated by checking the list of available filters when navigating to the search result user experience.

2. Using Purview Studio (UI), you can edit an asset and manually update an asset's Description?

- A ) True**
- B ) False

This can be validated by editing an existing asset (updating a Description is possible).

3. Using Purview Studio (UI), you can edit an asset and manually add and remove Classifications?

- A ) True**
- B ) False

This can be validated by editing an existing asset (adding/removing a Classification is possible).

4. Using Purview Studio (UI), you can edit an asset and manually update an asset's Technical Properties (e.g. qualifiedName, partitionCount, totalSizeBytes, etc)?

- A ) True
- B ) False**

There are certain properties (e.g. technical properties) which can not be manually updated via the UI. This can be validated by trying to edit an existing asset in Purview Studio.

5. Assets in the catalog can be assigned contacts, which of the following is an invalid contact type?

- A ) Expert
- B ) Owner
- C ) Reader**

This can be validated by editing an existing asset and navigating to the Contacts tab. Expert and Owner are currently the only two valid types, Reader is NOT valid.

# Knowledge Check #4

1. Glossary terms with the same name but different descriptions can exist under the same parent term?

A ) True

**B ) False**

Users can have two terms with the same name BUT, they must exist under different parents within the Glossary hierarchy. This can be validated by trying to create a term with the same name in the Glossary.

2. Glossary terms can be related to other terms in the glossary. Which of the following is not a valid glossary term relationship type?

A ) Synonyms

**B ) Antonyms**

C ) Related terms

This can be validated by navigating to an existing glossary term and switching to the Related tab. Synonyms and Related Terms are valid relationship types. Antonyms is NOT a valid relationship type.

3. Glossary terms created using different term templates can be exported together using the Purview Studio (UI) glossary "Export terms" functionality?

A ) True

**B ) False**

Currently, Purview can only bulk export glossary terms from the same term template. This can be validated by trying to export terms from different term templates, you will notice the Export button remains greyed out.

# Knowledge Check #5

1. Which of the following is a valid classification rule type?

A ) Python

**B ) Regular Expression**

C ) C++

There are currently only two methods of defining a custom classification rule – Regular Expression or Dictionary. For more information, check out [Custom Classifications in Azure Purview](#).

2. When creating a regular expression-based classification rule, you must specify a Data Pattern AND a Column Pattern.

A ) True

**B ) False**

This can be validated by creating a custom classification rule. You will notice only a minimum of ONE of the patterns (Data AND/OR Column) need to be specified for the custom classification rule to be valid.

3. Custom classifications are automatically in scope of a system default scan rule set.

A ) True

**B ) False**

Custom classifications are NOT automatically in scope. This can be validated by checking a default scan rule set (i.e. click view details when selecting a scan rule set). To bring a custom classification in scope, a custom scan rule set must be created.

# Knowledge Check #6

1. An Azure Purview account can connect to multiple Azure Data Factories?

A ) True

B ) False

Azure Purview can register/connect to multiple Azure Data Factory accounts. See How to connect [Azure Data Factory and Azure Purview](#) for more information.

2. An Azure Data Factory can connect to multiple Azure Purview accounts?

A ) True

B ) False

The reverse is NOT true. Azure Data Factory can only connect to ONE Azure Purview account. This can be validated by navigating to Azure Data Factory Studio > Manage > Azure Purview.

3. ETL processes are rendered on the lineage graph with what type of edges?

A ) Squared edges

B ) Rounded edges

This can be validated by looking at an existing lineage graph in Azure Purview. ETL processes are rendered with rounded edges.



# Knowledge Check #7

1. Which report would show the number of assets?

A ) Assets

B ) Scans

C ) Classification

This can be validated by navigating to Insights > Assets. This is one of the main KPI tiles at the top.

2. A glossary term that does not have a steward (i.e. an assigned contact), is shown as an incomplete term.

A ) True

B ) False

This can be validated by navigating to Insights > Glossary and looking at the “Incomplete terms” graph.

3. An asset has been tagged as highly confidential. Which type of tag is this?

A ) Classification

B ) Category

C ) Sensitivity Label

Sensitivity Labels is one of the benefits of integrating Azure Purview with Microsoft 365. While beyond the scope of the workshop, this is called out as part of the additional context provided in Module 7.

# Knowledge Check #8

1. Which built-in role is needed to provide users access to view monitoring data?

- A ) Purview Data Reader
- B ) Metrics Reader
- C ) Monitoring Reader

This can be validated by navigating to Insights > Glossary and looking at the “Incomplete terms” graph.

2. Which of the following is not available as an Azure Purview metric?

- A ) ScanCompleted
- B ) ScanDuration
- C ) ScanTimeTaken

This can be validated by navigating to Insights > Glossary and looking at the “Incomplete terms” graph.

3. The ScanStatusLogEvent schema contains an attribute that indicates the total run time. What is the name of this attribute?

- A ) scanTotalRunTime
- B ) scanTotalRunTimeInSeconds
- C ) scanTotalDuration

This can be validated by navigating to Insights > Glossary and looking at the “Incomplete terms” graph.

# Knowledge Check #9

1. Connecting a Synapse workspace to Azure Purview enables you to discover data assets that live outside of the Azure Synapse Analytics workspace?

A ) True

B ) False

This can be validated upon completion of module 9 which results in the Purview search experience being surfaced from within Synapse Studio, extending Synapse's search scope beyond the workspace.

2. A single Synapse Analytics workspace can connect to multiple Azure Purview accounts?

A ) True

B ) False

Similar to Azure Data Factory, Synapse can only connect to ONE Azure Purview account. This can be validated by navigating to Synapse Studio > Manage > Azure Purview.

3. Once Synapse Analytics is connected to an Azure Purview account, users can quickly generate a new linked service or integration dataset via the action buttons (for supported file types)?

A ) True

B ) False

Yes, this can be validated by searching for a Purview asset from within Synapse workspace (e.g. a parquet file), there are Synapse specific capabilities that do not appear in vanilla Purview Studio.

# Knowledge Check #10

1. The Azure Purview API is largely based on which open-source project?

- A ) Apache Maven
- B ) Apache Spark
- C ) Apache Atlas

Apache Atlas is the open source software which Azure Purview (specifically the catalog functionality) is based on. This can be validated by navigating to the Azure Portal > Purview Account > Properties > Atlas Endpoint.

2. The Azure Purview API only works with Python.

- A ) True
- B ) False

This is False because the Azure Purview surfaces a REST API which can be invoked by ANY language that can make HTTP requests.

3. The Azure Purview API can be used to create custom lineage between data processes and data assets.

- A ) True
- B ) False

Yes, this is one of the scenarios that is made possible via the API and is stated as one of the possible scenarios in Module 10.