Managed private endpoint to Azure Synapse Analytics

Last updated by | Veena Pachauri | Mar 9, 2023 at 12:07 AM PST

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Issue

Customer has created a managed private endpoint to Azure Synapse Analytics. They are using a managed Vnet IR. When creating the linked service they noticed few things.

Case 1: Using Connection string to connect to their Azure Synapse Analytics. Please find below image for reference.

When we choose the azure subscription and the sql server, the managed VNET is automatically selected in portal and after creating the linked service, we can see that the linked service is using private endpoint.

Below Image for reference

| ⬡ Vipin case 1 | Azure Synapse Analytics (formerly SQL DW) | Yes |

Case 2: Using Azure Key Vault

Please find below image for reference

When we choose, the linked service will ask for AKV linked service name and secret name but the managed private endpoint is not selected automatically, also we don't get an option to select the managed private endpoint.

When we see from linked service we can see that this particular linked service doesn't use managed private endpoint as well.

Below image for reference.

| ⬡ Vipin case 2 | Azure Synapse Analytics (formerly SQL DW) | --- |

Customer wants to know, how he can use managed private endpoint when he is choosing Azure Key Vault option.

Resolution

If customer means the private endpoint for AKV (not Synapse), then they can manually create one in ADF portal. When they create Linked service for data source such as Synapse, they need to select Managed VNET IR and AKV for secret, then the connection to AKV is through PE. Or if customer doesn't create PE

for AKV, when they create linked service for Synapse, choose AKV and test connection, there will be an error message and in the error message there will be link to AKV PE creation.

Reference

https://teams.microsoft.com/l/message/19:768c7b4fcda64cd3acc29bc91eb98bfc@thread.skype/1605248934777?tenantId=72f988bf-86f1-41af-91ab-2d7cd011db47&groupId=97f0bf0e-fe36-422a-9083-3e59230b5715&parentMessageId=1605248934777&teamName=ADF - CSS Collaboration&channelName=General&createdTime=1605248934777 ↗

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