

Snowflake Integration

Last updated by | Veena Pachauri | Mar 8, 2023 at 10:57 PM PST

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Issue

Customer asking how to connect to Snowflake using Managed VNet IR. (Now only support Walgreens's ask)
<https://microsoft.sharepoint.com/teams/ADFCSSCollaboration/Shared Documents/General/SFCTO-ConnectingAzureDataFactoryandSnowflakeusingPrivateLink.pdf>

Solution

1. Customer need to setup the Private Link Service in Snowflake.
2. [ADF PG] ADF provide the Managed VNet Subscription Id for the data factory, and ADF provide the CIDR IP ranged of Managed VNet IR
3. [ADF PG] After customer create the managed PE, we need manually fix the DNS setup find the customer's managed VNet resource group, there should be 2 private dns zone under the resource group end with privatelink.snowflakecomputing.com

<input type="checkbox"/>	east-us-2.privatelink.snowflakecomputing.com	Private DNS zone	Global
<input type="checkbox"/>	east-us-2-01.east-us-2.privatelink.snowflakecomputing.com	Private DNS zone	Global

2 steps:

- [a] remove the VNet link for the second private DNS zone

Search (Ctrl+/)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Virtual network links

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Search virtual network links

Link Name	Link status	Virtual network	Auto-Registration
east-us-2-01.east-us-2.privatelink.snowflakecomputing.com	Completed	east-us-2-01.east-us-2-privatelink-vnet	Disabled

Pin to dashboardDelete

- [b] add 1 A record under the first private DNS zone

east-us-2.privatelink.snowflakecomputing.com

Private DNS zone

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Essentials

Resource group (change) : vnet-5a620b2a-eastus2-7-rg

Subscription (change) : ADF_PROD_EastUS2_VNET_05

Subscription ID :

Tags (change) : Click here to add tags

You can search for record sets that have been loaded on this page. If you don't see what you're looking for, you can try scrolling to allow more record sets to load.

Search record sets

Name	Type	TTL	Value	Auto registered
@	SOA	3600	Email: azureprivatedns-host.microsoft.com Host: azureprivatedns.net Refresh: 3600 Retry: 300 Expire: 2419200 Minimum TTL: 10 Serial number: 1	False
	A	600	10.250.0.4	False
ocsp.	A	600	10.250.0.4	False

notice: the newly added A record only have the difference with the Name

How to Add:

Add record set ✕

east-us-2.privatelink.snowflakecomputing.com

Name

ocsp[REDACTED] ✓

.east-us-2.privatelink.snowflakecomputing.com

Type

A – Alias record to IPv4 address ▾

TTL *

600 ✓

TTL unit

Seconds ▾

IP address

10.250.4 ! ...

0.0.0.0 ...