TSG covers : How to get VNet resource ID and Subnet resource ID of Managed VNet IR

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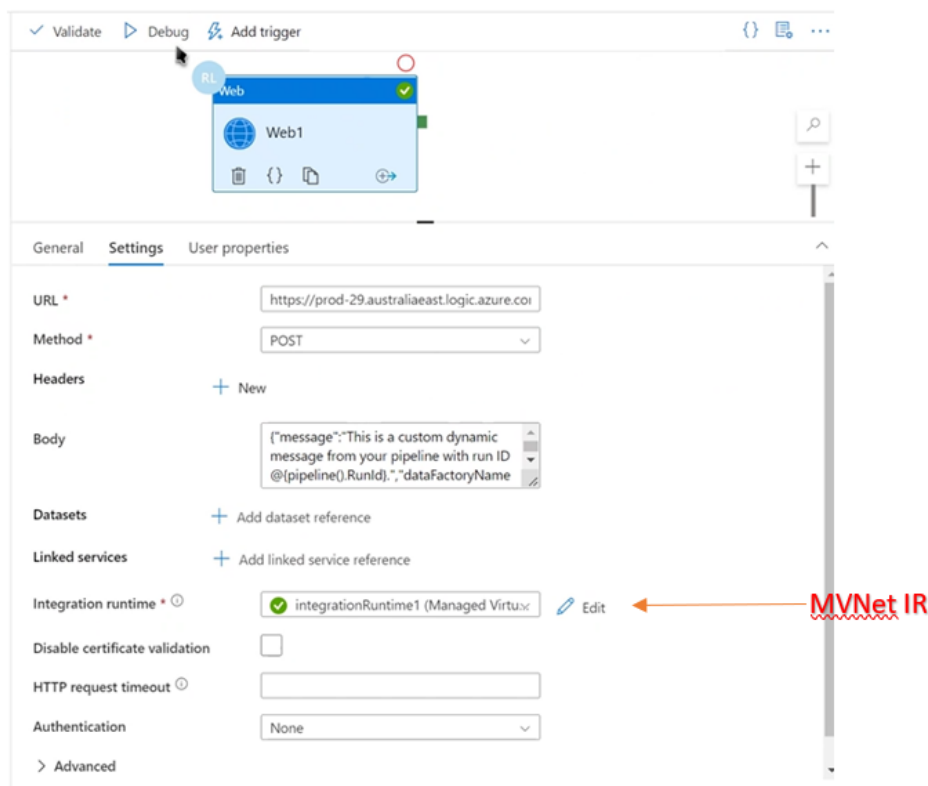
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This information is very much needed for all Azure Network engineers to troubleshoot any network related issues in ADF and Synapse pipelines that have the MVNet IR configured.

How to get VNet resource ID and Subnet resource ID of Managed VNet IR

- Make sure the pipeline is running using MVNet IR as show below:

- Get the **Run ID**: Click on the Output tab to get the Run ID as highlighted below:

- Run the below Kusto query using the **Run ID** to get the information such as **Subscription ID, VNet resource id, subnet resource id**

```
cluster('azuredmprod.kusto.windows.net').database('AzureDataMovement').
TaskManagementServiceActivity
| where ActivityId == '2e21c04b-cc38-4ad0-8f52-825982fcbfc4'
| where * contains "/virtualNetworks"
| project-reorder Message
```

- Please enter the correct Run ID in **ActivityID** predicate of the Kusto query by taking the **Run ID** from the ADF as shown above.

Output from the Kusto query:

```
Got the job 1fb1ba39-a682-4cb2-a655-a44b10468231-d2pool-b from pool d2pool-b, subnetid: /subscriptions/be3ce376-5f83-4a83-bafb-4dcee0a51934/resourceGroups/vnet-b
```

- Output from the above Kusto query should get enough information that is required for Azure Network engineers for further troubleshooting.

Information such as **Subscription ID, VNet resource id, subnet resource id** as shown below:

- Subscription ID: **be3ce376-5f83-4a83-bafb-4dcee0a51934**.
- VNet resource id: **vnet-be3ce376-eastus-423**.
- subnet resource id: **vnet-be3ce376-eastus-423-subnet-720**.

Based on the above information from CSS team, Azure Network engineers can navigate to ASC to get more information related to VNet Id, subnets and NSGs associated with it for further troubleshooting of the issue.

ASC URL: https://azuresupportcenter.msftcloudes.com/

The Sub id and the VNET ID details are also available in the MPE blade.

MICROSOFT

Managed private endpoint

Name *

AzureBlobStorage1

Description

🔄 Refresh

Provisioning state

✅ Succeeded

Approval state

⚠️ Disconnected

Possible Linked Services

0

Target resource ID ⓘ

/subscriptions,   '/resourceGroups   g/provi 📋

Target sub-resource ⓘ

blob   📋

Managed private endpoint private IP ⓘ

10.250.0.6   📋

Managed private endpoint resource ID ⓘ✅   Copied to clipboard

/subscriptions   resourceGroups,   b9f9b 📋

Manage approvals in Azure portal ⬚

Note: This TSG covers for both ADF and Synapse pipline runs configured under MVNet IR's

If Azure Network Team could not help you, please try to engage PG from SJS who is responsible for Subnet:

ACTIVE

Severity 3

Owning Service Azure Synapse Platform Service   **Owning Team** ✉ Synapse Job Service   C

Example ICM: 330152633

Issue: DNS resolution failed

It is due to DNS hijack introduced by the private DNS zone created for the same domain "XXXXXX.abc.com ⬚" and no entry in that zone.

Customer created some PEs targeting the PLS with FQDNs like "XXXXXX.abc.com ⬚", which has the same domain name "abc.com ⬚". Because of this there is a private dns zone created for that domain, and all targets with the same domain name would be resolved by that zone. In this case, since there is no entry in that zone for problematic name, the target can't be resolved.

So, this behavior is by design.

Fixing either one would be fine.

1. If fixing PLS, delete existing PE, and use a FQDN with different domain name.

2. Or fix this target to have a different domain name.

Contributors

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