How to get ADF VM info for Networking to troubleshoot

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

Contents

- Issue
- Does not apply to Support team
- Steps
- How to dump process in container
- How to capture network trace on host machine
- How to stop a stuck node
- How to export event logs

Issue

Does not apply to Support team

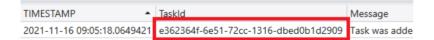
This only applies for Managed VNet IR running copy/external/pipeline activities. When customer see some network issues, could not connect to the customer's data store, please escalate to Azure Networking team for further troubleshooting

Steps

How to collect VM Id and Container Id:

1. Run Kusto query in ADMS kusto cluster

TaskManagementServiceActivity | where ActivityId == "cactivity run id>" | where Message contains "Task was added" | extend TaskId = extract("Task URl is '(.*?)', the command", 1, Message) | project TIMESTAMP, TaskId, Message



2. Get the Taskld, open this page: https://azurebatchdiagnostics.azurewebsites.net/ 🗵 copy the taskld to the query box and search:



3. In the Task Event result. click the link of Compute Node



- 4. Apply for JIT permission, and log into the VM which picks up the task
- 5. check the container name, run Powershell in Admin mode:

6. Log into the container using below command (launch a powershell.exe) in the Container: dcoker exec -it <containername> <exe to launch>

PS C:\Windows\system32> docker exec -it bb47 powershell.exe

How to dump process in container

1. Run the following command to go to the folder visible to host machine

cd D:\batch\tasks\shared

2. Create dump file of a process

Powershell -c rundll32.exe C:\Windows\System32\comsvcs.dll, MiniDump {ID-of-the-process} .\my_dump_file.DMP full

3. Find the dump file in host machine in path C:\ADMSTaskExecutor

How to capture network trace on host machine

1. Run the command to start capture

```
PktMon start -c --pkt-size 0 -m multi-file -f {capture file location. File ext is etl}
```

- 2. Run activities
- 3. Run the command to end capture

PktMon stop

4. Convert the etl file to pcap file

PktMon etl2pcap {capture file}

How to stop a stuck node

Kill the TaskExecutor.exe process.

How to export event logs

wevtutil epl {event name(e.g. Application)} path/to/export/file.evtx