

Self-hosted integration runtime started, but can't register as a node

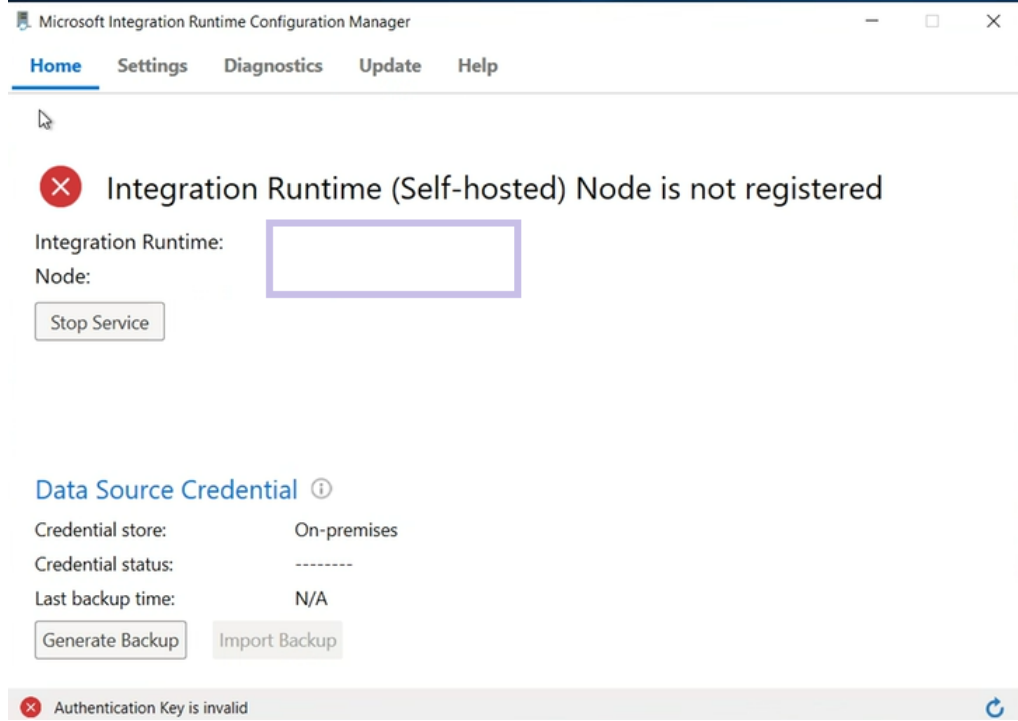
Last updated by | Veena Pachauri | Mar 8, 2023 at 11:10 PM PST

Issue

Self-hosted integration runtime started, but can't register as a node

Symptoms

Self-hosted integration runtime shows Unavailable in the Data Factory Studio. Also, in the IR configuration manager, it shows not registered and shows "Authentication key is invalid" The issue is persistent even after you ran command `dmgcmd.exe -rn <key>`



Cause

It was caused by the zombie process (diahost.exe) existed and it was blocking the diahost.exe's pipe endpoint.

Troubleshoot

1). Make sure Integration runtime is started and its windows service account 2). Confirm it has network connectivity to Azure Data Factory (PowerShell) `Test-NetConnection <adf>.<region>.datafactory.azure.net -Port 443` i.e.) `Test-NetConnection myadf.eastus2.datafactory.azure.net -Port 443` 3). Register the node using `dmgcmd -rn <key>` 4). Restart the VM and see if you see improvement 5). Check InstanceDailySnapshot table to query the status of the GatewayId.

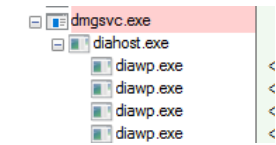
TIMESTAMP	ActivityId	DataCenter	InstanceVersion	Status	CreateTime
2022-07-29 00:00:21.4857927	fdaecd81-6109-442a-9421-93454a87e3bb	eu2	5.17.8189.1	Initialized	2022-02-16 17:43:40.6182742
2022-08-01 13:26:03.6980899	4ccb3fe-bfd8-474b-a952-40f8c27682a7	eu2	5.17.8189.1	Initialized	2022-02-16 17:43:40.6182742
2022-08-01 13:34:30.9674800	32b0ff66-7234-4d0d-9b69-2072f7103a98	eu2	5.17.8189.1	InitializeFailed	2022-02-16 17:43:40.6182742

6). Check event viewer or use Self-hosted log (event log) and see if you these events If you see these error or message, it indicates other process is already using pipe endpoint which IR is supposed to use.

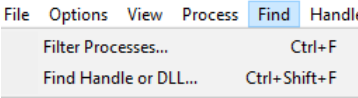
ERROR: 60000 Cannot listen on pipe name 'net.pipe://<FQDN>/InternalService.svc/' because another pipe endpoint is already listening on that name.					
WARNING: 22001 Failed to connect to Integration Runtime Service (Self-hosted) through NamedPipe DataManagementGateway.					
Error	8/1/2022 6:34:30 AM	Integration Runtime (Self-...	60000	None	
Warning	8/1/2022 6:25:31 AM	Integration Runtime (Self-...	22001	None	

7). First stop integration runtime and IR configuration manager. Then, download process explorer (sysinternal tool and it doesn't install anything) and launch the .exe on the machine where SHIR is installed. <https://docs.microsoft.com/en-us/sysinternals/downloads/process-explorer>

8). In the process explorer, look for diahost.exe. You might see diahost.exe is left alone even if you stopped all the process (integration runtime). If you find the process, kill the tree of that process.



Also, you may find the named pipe in the Find Handle or DLL to see if any rogue diahost.exe exists



9). After you kill the process, you can re-register the node.

How good have you found this content?

