

[SSIS IR] IR start failed with VNet due to BatchNodeInFinalButNotIdleState error

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

If IR start failed with VNet and the error code is BatchNodeInFinalButNotIdleState or NoBatchNodeInFinalStateForLongTime, please check the following:

1. Check the provision log using Kusto query (use the corresponding taskId):

`AisManagementTaskTraceEvent | where taskId == "xxx" | project env_time, message`

Find log with style: "Nodes from Batch [tvmps_xxxx_x: Starting]. Confirm that the nodes are stuck in starting state for more than 30 minutes. If yes, go to step 2.

2. Check if customer is using Express Route for this VNet or customer has setup UDR that redirects the traffic to his on-premise firewall. You may need to confirm with customer for Express Route as it cannot be checked from ASC. But you can check the UDR by yourself in ASC.
3. If customer is using Express Route or UDR (please make sure there is rule that redirects the traffic to his on-premise firewall), then there may exist network issue. In detail, Batch service needs to access their storage to write heartbeat/metadata for the nodes and if the traffic fails due to transient network issue, the pool can be stuck at starting state. To mitigate this, we can suggest customer to enable Microsoft.Storage service endpoint for his subnet so that the storage traffic will go on Azure's bone network.

Edit subnet

✕

Name

default

Subnet address range * ⓘ

10.1.0.0/24

10.1.0.0 - 10.1.0.255 (251 + 5 Azure reserved addresses)

☐ Add IPv6 address space ⓘ

NAT gateway ⓘ

None

Network security group

None

Route table

None

SERVICE ENDPOINTS

Create service endpoint policies to allow traffic to specific azure resources from your virtual network over service endpoints. [Learn more](#)

Services ⓘ

Microsoft.Storage

Service	Status	
Microsoft.Storage	New	

Service endpoint policies

0 selected

SUBNET DELEGATION

Delegate subnet to a service ⓘ

None

OK

Cancel