

[SSIS IR] IR Start failed with VNet due to AllocationFailed

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

[SSIS IR] IR Start failed with VNet due to AllocationFailed

Friday, September 29, 2017
4:42 PM

CSS Feedback	Please leave you feedback if you are using the article to help customers
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SME	Jarod Zhu (jarodzhu)																												
Kusto Query	<pre>.create-or-alter function with (folder = "Diagnostics/ActivityID", docstring = "Detect SSIS IR start failure due to VNet AllocationFailed", skipvalidation = "true") Diagnostics_SSISIRStartFailed_VNetAllocationFailed(ActivityId:string) { let InputActivityId = ActivityId; AisManagementTaskTelemetryEvent where * contains InputActivityId where errorCode == "InvalidVnetConfiguration" and errorMessage contains "AllocationFailed" take 1 project DetectedIssue = "SSIS IR start failed due to VNet AllocationFailed", TSG = "211004b - [SSIS IR] IR Start failed with VNet due to AllocationFailed", Info = strcat("Kusto Query: AisManagementTaskTelemetryEvent where * contains ",InputActivityId) }</pre>																												
Symptoms	<ul style="list-style-type: none">Customer might receive below 4 kinds of User error when join Azure-SSIS IR into VNet Error Code: InvalidVnetConfiguration Error Message: VNet configuration is invalid. Code : AllocationFailed, Message: 1. Policy restriction on public ip resource has disallowed creation of other dependent resources for pool. 2. Policy restriction on load balancer resource has disallowed creation of other dependent resources for pool. 3. Policy restriction on network security group resource has disallowed creation of other dependent resources for pool. 4. Deployment allocation failed as subnet has delegation to external resources																												
Cause	<p>When IR join Vnet, we will create below 3 resources under same resource group of Vnet</p> <table><thead><tr><th>NAME</th><th>RESOURCE GR...</th><th>LOCATION</th><th>SUBSCRIPTION</th><th>KIND</th><th>RESOURCE TYPE</th><th>TYPE</th></tr></thead><tbody><tr><td> [redacted] azurebatch-cloudservice/loadbalancer</td><td>IRTP</td><td>Central US</td><td>EMS_TEST_TIP</td><td></td><td>Microsoft.Network/loadBalancers</td><td>Load balancer</td></tr><tr><td> [redacted] azurebatch-cloudservicenetworksecuritygroup</td><td>IRTP</td><td>Central US</td><td>EMS_TEST_TIP</td><td></td><td>Microsoft.Network/networkSecuri...</td><td>Network security group</td></tr><tr><td> [redacted] azurebatch-cloudservice/publicip</td><td>IRTP</td><td>Central US</td><td>EMS_TEST_TIP</td><td></td><td>Microsoft.Network/publicIPAdre...</td><td>Public IP address</td></tr></tbody></table> <p>Customer might has azure policy or resource lock to block above resources being created which will block IR start. Or Customer's Vnet subnet might has delegation which block SSIS IR to join subnet.</p>	NAME	RESOURCE GR...	LOCATION	SUBSCRIPTION	KIND	RESOURCE TYPE	TYPE	[redacted] azurebatch-cloudservice/loadbalancer	IRTP	Central US	EMS_TEST_TIP		Microsoft.Network/loadBalancers	Load balancer	[redacted] azurebatch-cloudservicenetworksecuritygroup	IRTP	Central US	EMS_TEST_TIP		Microsoft.Network/networkSecuri...	Network security group	[redacted] azurebatch-cloudservice/publicip	IRTP	Central US	EMS_TEST_TIP		Microsoft.Network/publicIPAdre...	Public IP address
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Resolution	<p>1) For below errors:</p> <ul style="list-style-type: none">1. Policy restriction on public ip resource has disallowed creation of other dependent resources for pool.2. Policy restriction on load balancer resource has disallowed creation of other dependent resources for pool.3. Policy restriction on network security group resource has disallowed creation of other dependent resources for pool. <p>Ask customer to check below</p> <ul style="list-style-type: none">Customer don't have any resource lock on Resource Group or Subscription where VNet liveCustomer don't have any azure policy which prevent below resource to be created under Resource Group or Subscription where VNet live<ul style="list-style-type: none">Microsoft.Network/LoadBalancersMicrosoft.Network/NetworkSecurityGroupsMicrosoft.Network/PublicIPAddresses <p>Now you can guide customer to validate via UI</p> <p> VNet setting error:</p> <ul style="list-style-type: none">Please remove lock 'readonly' from resource group '/subscriptions/[redacted]/resourceGroups/[redacted] <p> VNet setting warning:</p> <ul style="list-style-type: none">VNet is using custom DNS [redacted] Please confirm it can resolve public Azure host names MorePolicy 'SDOStdPolicyNetwork' of resource group '/subscriptions/[redacted]/resourceGroups/[redacted]' blocks either Microsoft.Network/LoadBalancers, Microsoft.Network/PublicIPAddresses or Microsoft.Network/NetworkSecurityGroups in some cases <p>2) For below error:</p> <p>Deployment allocation failed as subnet has delegation to external resources</p> <p>Ask customer to check whether there is any service delegation configured on same subnet he want IR to join. e.g.</p> <p>Subnet delegation</p> <p>Delegate subnet to a service ⓘ</p> <div><input type="text" value="Microsoft.Sql/managedInstances"/></div> <p>If so, they need either remove the delegation if it is unnecessary or choose another subnet to join IR.</p>																												
More Information	https://docs.microsoft.com/en-us/azure/data-factory/join-azure-ssis-integration-runtime-virtual-network																												

4/6/23, 9:13 AM

[SSIS IR] IR Start failed with VNet due to AllocationFailed - Overview

