

# Location of Integration Runtime with Managed Virtual Network, must be same as factory location or AutoResolve

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

## Contents

- [Issue](#)
- [Investigation](#)
- [Resolution](#)

## Issue

Unable to create Azure IR with Managed VNet. Getting error

Failed to save <IntegrationRuntimeName>.

Error: Failed to save integration runtime. Invalid location for 'AzureIRwithVNet'. Location of Integration Runtime with Managed Virtual Network, must be same as factory location or AutoResolve.

**Edit integration runtime**

whereby, when necessary, an additional managed VNet can be provisioned for the integration runtime, based on the requirements allocated based on performance requirement of activities.

**Name \***  
integrationRuntime2

**Description**  
Enter description here...

**Status**  
Running (Limited) [More](#)

**Virtual network configuration (Preview)**  
☐ Disable ☒ Enable

**Interactive authoring**  
☐ Disable ☒ Enable

☒ Auto termination after 60 minutes of inactivity

**Region \***  
West US

Failed to save integrationRuntime2. Error: Failed to save integration runtime. Invalid location for 'AzureIRwithVNet'. Location of Integration Runtime with Managed Virtual Network, must be same as factory location or AutoResolve. [More](#)

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Confirmed customer was creating the Integration Runtime in the same region as the Data Factory.

## Investigation

Error from AdfTraceEvent table:

```
AdfTraceEvent
| where TraceCorrelationId == 'f029826a-2433-41cb-b4bf-1f5d9b515633'
```

Exception translates to response with HttpStatusCode: BadRequest, Action: CreateOrUpdateIntegrationRuntimeAsync, Exception: ADFOperationException: Microsoft.ADF.CoreExt.ADFOperationException: Invalid location for 'AzureIRwithVNet'. **Location of Integration Runtime with Managed Virtual Network, must be same as factory location or AutoResolve.**

at Microsoft.ADF.ResourceProvider.IntegrationRuntimeHelper.<ValidateIntegrationRuntimeProperties>d\_\_11.MoveNext() in M:\IMSEAgentAD-027\_work\147\s\ResourceProvider\src\Controllers.FX\IntegrationRuntimeHelper.cs:line 202

--- End of stack trace from previous location where exception was thrown ---

at System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw()


## Resolution

This is a [known issue](#) that if the Data Factory location contains a space like "North Europe", then creating Managed VNET IR may hit the error.

This might happen when customer use PowerShell or use JSON file since they can input the location by themselves.

To mitigate this issue, ask the customer to select "Auto Resolve" region instead of "North Europe" when creating integration runtime in VNet. Next time when they create Data Factory, customer should use a location without space, like "northeurope".

**Additional Information:**

- **Icm References:** [Icm Link](#) 
- **Author:** vimals
- **Reviewer:** vimals
- **Keywords:**

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