**将不同订阅中的虚拟网络连接到ExpressRoute线路时收到报错“Cannot parse the request”**

**问题：**

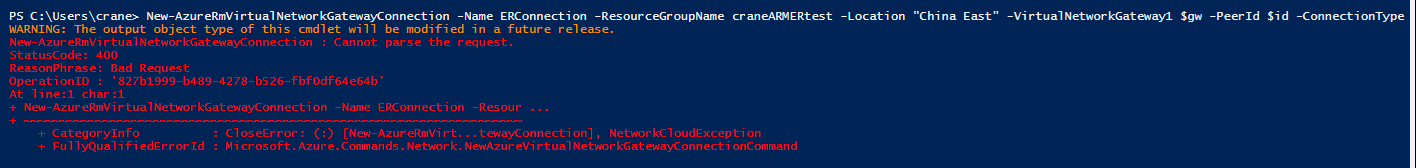
**==============**

**将不同订阅中的VNET连接到ExpressRoute线路时收到报错“Cannot parse the request”**

**现象：**

**==============**

**跨订阅Link VNET到ER时报错如下：**



PS C:\Users\crane> New-AzureRmVirtualNetworkGatewayConnection -Name ERConnection -ResourceGroupName craneARMERtest -Location "China East" -VirtualNetworkGateway1 $gw -PeerId $id -ConnectionType ExpressRoute -AuthorizationKey "d3d7375f-aa95-4a97-97bf-cd4a68278189"

WARNING: The output object type of this cmdlet will be modified in a future release.

New-AzureRmVirtualNetworkGatewayConnection : Cannot parse the request.

StatusCode: 400

ReasonPhrase: Bad Request

OperationID : '827b1999-b489-4278-b526-fbf0df64e64b'

At line:1 char:1

+ New-AzureRmVirtualNetworkGatewayConnection -Name ERConnection -Resour ...

+ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

+ CategoryInfo : CloseError: (:) [New-AzureRmVirt...tewayConnection], NetworkCloudException

+ FullyQualifiedErrorId : Microsoft.Azure.Commands.Network.NewAzureVirtualNetworkGatewayConnectionCommand

**解决方法：**

**==============**

首先，我们先看一下跨订阅Link VNET到ER的操作过程：

#登录订阅

Login-AzureRmAccount -EnvironmentName AzureChinaCloud

#创建授权：

$circuit=Get-AzureRmExpressRouteCircuit -Name "21VDemoSH" -ResourceGroupName "CraneER"

Add-AzureRmExpressRouteCircuitAuthorization -ExpressRouteCircuit $circuit -Name "MyAuthorization"

Set-AzureRmExpressRouteCircuit -ExpressRouteCircuit $circuit

$auth1=Get-AzureRmExpressRouteCircuitAuthorization -ExpressRouteCircuit $circuit -Name MyAuthorization

#获取授权ID

$ID=(Get-AzureRmExpressRouteCircuit -Name "21VDemoSH" -ResourceGroupName "CraneER").id

或"/subscriptions/8775dxxxxxxxxxxxxxxxxxxxxxxxxx518/resourceGroups/CraneER/providers/Microsoft.Network/expressRouteCircuits/21VDemoSH （在如下Get命令的输出中，将ID对应的条目下参数值Copy后赋值给$ID

Get-AzureRmExpressRouteCircuit -Name "21VDemoSH" -ResourceGroupName "CraneER"）

#登录到另外一个订阅WATSTEST02

Login-AzureRmAccount -EnvironmentName AzureChinaCloud

#兑现授权：

$gw=Get-AzureRmVirtualNetworkGateway -Name CraneARMERtestGW -ResourceGroupName craneARMERtest

New-AzureRmVirtualNetworkGatewayConnection -Name ERConnection -ResourceGroupName craneARMERtest -Location "China East" -VirtualNetworkGateway1 $gw -PeerId $id -ConnectionType ExpressRoute -AuthorizationKey "d3d7375f-aa95-4a97-97bf-cd4a68278189"

注意：

$ID=(Get-AzureRmExpressRouteCircuit -Name "21VDemoSH" -ResourceGroupName "CraneER").id

**即：**"/subscriptions/8775dxxxxxxxxxxxxxxxxxxxxxxxxx518/resourceGroups/CraneER/providers/Microsoft.Network/expressRouteCircuits/21VDemoSH"

而不是：

$ID=(Get-AzureRmExpressRouteCircuit -Name "21VDemoSH" -ResourceGroupName "CraneER").Authorizations.id

**即：**"/subscriptions/8775dxxxxxxxxxxxxxxxxxxxxxxxxx518/resourceGroups/CraneER/providers/Microsoft.Network/expressRouteCircuits/21VDemoSH/authorizations/MyAuthorization"

如上报错的原因是因为我们为$ID赋错值了。在（Get-AzureRmExpressRouteCircuit -Name "21VDemoSH" -ResourceGroupName "CraneER"）的输出中会有如下两个参数：

id及Authorizations.id

此处我们需要给$ID赋值的参数是.id，而不是Authorizations.id

**其它资源：**

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<https://azure.microsoft.com/en-us/documentation/articles/expressroute-howto-linkvnet-arm/>

<https://www.azure.cn/documentation/articles/expressroute-howto-linkvnet-arm/>