

[SSIS IR] Whitelist ip of Azure-SSIS IR

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Common customer ask

How to whitelist ip of Azure-SSIS IR in firewall on data source side so Azure-SSIS IR can be allowed to access data source?

Current limitation

1. For Azure-SSIS IR not joining Vnet, there is no static public IP assigned on IR and customer has to whitelist all azure ip range.
2. For Azure-SSIS IR joining Vnet
 1. Although there is one public ip address assigned on each IR under resource group of that Vnet (name as [Guid]-azurebatch-cloudservicepublicip) , this public ip is not static and will keep change when customer restart IR or whenever there is backend IR upgrade. So customer can't rely on that ip address to do whitelisting.
 2. Instead there are some approaches available for specific scenarios
 - Case 1: if data source support virtual network service endpoint, then customer can config service endpoint on subnet and add virtual network rule on data source side to whitelist the subnet hosting IR
 - Case 2: if data source is on-prem, customer can use Express Route to setup Azure Private peering link Vnet and on-prem network. Then customer can whitelist the private ip range of Vnet subnet which host Azure-SSIS IR on on-prem firewall
 - If customer's scenario didn't fall into above 2 cases (e.g. customer data source is 3rd party), then customer can set up Azure Firewall and route all traffic from Azure-SSIS IR to that data source through Azure Firewall. Customer can further assign static public ip address on Azure Firewall so only need to whitelist that ip address.

More details guidance refer to [\[SSIS IR\] Support Traffic Routing to Virtual Network Appliance for IR join VNet](#)

3. There is quite a few network configuration requirement for Azure-SSIS IR to join Vnet (refer to <https://docs.microsoft.com/en-us/azure/data-factory/join-azure-ssis-integration-runtime-virtual-network> ↗) and sometimes customer might hit challenge if those requirement conflicts with their compliance/security policy. So if we suggest customer to join IR into Vnet, we need to emphasize those requirements.
 - e.g. For MS internal, MSIT Express Route now disallow any public ip address creation under linked Vnet, so Azure-SSIS IR can't join Vnet which linked with MSIT Express Route.

Future improvement

- PG is working with underlying compute service (Azure Batch) to address requirement of public static ip range attached on Azure-SSIS IR. No concrete ETA right now.

How good have you found this content?

