Data Factory and SSIS

Last updated by | Vitor Tomaz | May 30, 2022 at 7:32 AM PDT

Contents

Self-help content presented in Azure Portal

(This content was shown to the customer during case submission. It's also visible on 'Diagnose and solve problems' blade.)

Run SSIS/Azure Data Factory with Managed Instance

Azure Data Factory allows you to run SSIS packages that load data to Managed Instance. You can also copy and transform data in Azure SQL Managed Instance using Azure Data Factory.

Connect Azure Data Factory with Managed Instance

To access the SQL Managed Instance public endpoint ⧉, use a managed Azure integration runtime. Make sure that you enable the public endpoint and also allow public endpoint traffic on the network security group so that the service can connect to your database. See Configure public endpoint in Azure SQL Managed Instance ⧉.

Note that the DataFactory service tag is not currently supported by Data flows and Azure Integration Runtime, which enable Managed Virtual Network. You can still use the DataFactory service tag for data movement, pipelines, and external activity executions.

To access the SQL Managed Instance private endpoint, set up a self-hosted integration runtime ⧉ that can access the database. If you provision the self-hosted integration runtime in the same virtual network as your managed instance, make sure that your integration runtime machine is in a different subnet than your managed instance. If you provision your self-hosted integration runtime in a different virtual network than your managed instance, you can use either a virtual network peering or a virtual network to virtual network connection. See Connect your application to SQL Managed Instance ⧉.

Use Azure SQL Managed Instance with SQL Server Integration Services (SSIS) in Azure Data Factory

You can now move your SQL Server Integration Services (SSIS) projects, packages, and workloads to the Azure cloud. Deploy, run, and manage SSIS projects and packages on Managed Instance with familiar tools such as SQL Server Management Studio (SSMS). The following articles highlights the specific areas when using Managed Instance with Azure-SSIS integration runtime (IR):

- Provision an Azure-SSIS IR with SSIS catalog (SSISDB) hosted by Azure SQL Managed Instance ⧉

- Provision an Azure-SSIS IR with SSIS Catalog (SSISDB) hosted by Azure SQL Managed Instance ⤢
- Execute SSIS packages by Azure SQL Managed Instance Agent job ⤢
- Clean up SSISDB logs by Azure SQL Managed Instance Agent job ⤢
- Azure-SSIS IR failover with Azure SQL Managed Instance ⤢
- Migrate on-premises SSIS workloads to SSIS in ADF with Azure SQL Managed Instance as database workload destination ⤢

Copy and transform data in Azure SQL Managed Instance using Azure Data Factory

See how to use Copy Activity to copy data from and to Azure SQL Managed Instance, and use Data Flow to transform data in Azure SQL Managed Instance ⤢

Resources

- Lift and shift SQL Server Integration Services workloads to the cloud ⤢
- ADF/SSIS Frequently Asked Questions ⤢
- Create the Azure-SSIS integration runtime in Azure Data Factory ⤢
- Joining Azure-SSIS integration runtime to a Virtual Network ⤢
- Provisioning Azure-SSIS integration runtime using Azure Active Directory authentication ⤢
- Reconfigure the Azure-SSIS integration runtime ⤢

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