# Private endpoint

A private endpoint is a network interface that uses a private IP address from your virtual network. This network interface connects you privately and securely to a service that's powered by Azure Private Link. By enabling a private endpoint, you're bringing the service into your virtual network.

## Example

Create Private Endpoint between Azure Data Factory and Azure Database Azure Blob Storage. Here are the step to do the same.

## Creating the Integration Runtime to use the Managed Virtual Network

Once this part is configured, in ADF, we must create a new Integration Runtime, this feature gives the infrastructure data integration capabilities in different network environments.

In the ADF Administration panel, in Connections, Integration runtimes and click on New.

We choose on this first screen the option of Azure, Self-Hosted and continue:

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In this next one we choose the Azure part and continue:

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We fill in the requested fields: the name and the region where our ADF is located:

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In the Virtual Network tab we must choose the Enabled option in Virtual Network Configuration:

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Description automatically generated with medium confidence We create the new Integration Runtime:

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We wait for the creation to finish, and it is operational to continue with the creation of the Private Endpoint.

## We create Managed Private Endpoint in the selected location and choose Azure blob storage

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We type a name, choose our Azure Blob Storage, and create:

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After having created the Private Endpoint, we must go to our Azure Blob Storage, to the Networking part, in private Access and approve the Endpoint created from Azure Datafactory.

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## Create Linked Service with Azure SQL Database

From the Azure Data factory administration panel, we proceed to create a new linked service for Azure Blob Storage.

We fill in the previously created Integration Runtime, choose our Azure Blob Storage and it will automatically provide us with our private point.

We complete the authentication and perform a Test Connection to verify that we can effectively make the private connection to our database from Azure Data Factory.

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