

## How Do I Create an Azure Service Bus?

Kacper Dylewski - 2024-07-11 - Comments (0) - Lasetnet FO Connector FAQs

# Lasetnet for Dynamics 365

## What is an Azure Service Bus?

From a very high level, an Azure Service Bus is the mechanism that Lasetnet uses to send messages.

The description given by Microsoft is: “Azure Service Bus is a fully managed enterprise message broker with message queues and publish-subscribe topics(in a namespace).”

For more technical information about the Azure Service Bus see the [Microsoft documentation](#).

The creation and configuration of the Azure Service Bus require users to create new resources in Azure. If you are unsure of how to work within Azure, then please contact your system administrator.

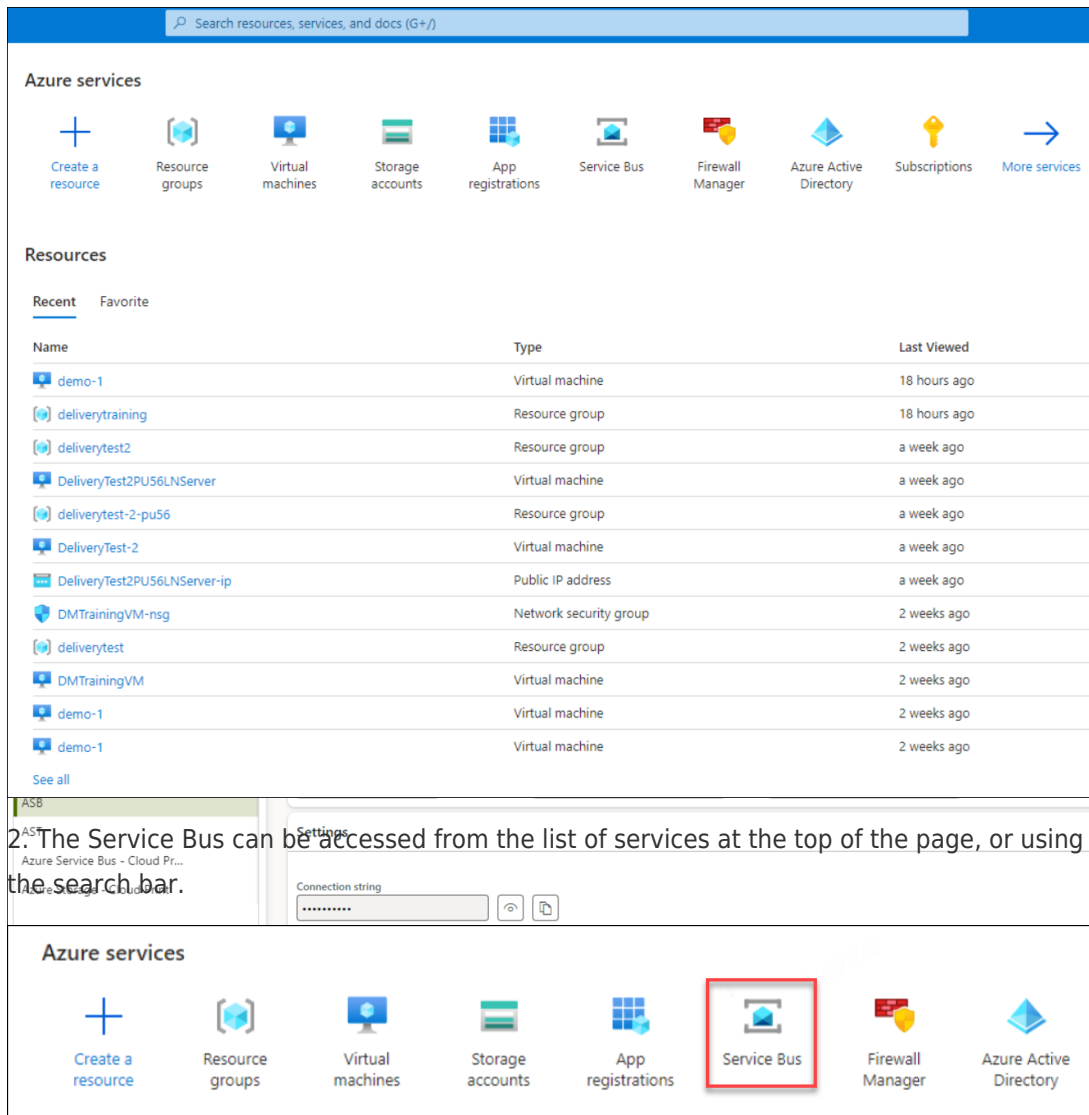
## Where do we use it?

Azure Service Buses are used in several locations in the Lasetnet products, such as the Connector to link Finance and Operations (FO) and Business Central (BC) to Lasetnet, or linking to Cloud Printers. The following is an example Azure Service Bus referenced in the connections in the FO Connector.

# How do I create an Azure Service Bus?

In this article, we will show an example of how a service bus can be created, however for the latest information always refer to the [Microsoft guide](#).

1. Navigate to the Azure portal, and log in.



3. Click the Service Bus icon. You will be taken to a page with a list of all the Service Buses currently configured.

**Service Bus** 🔗 ⋮  
 Formpipe Software AB (formpipe2se.emea.microsoftonline.com)

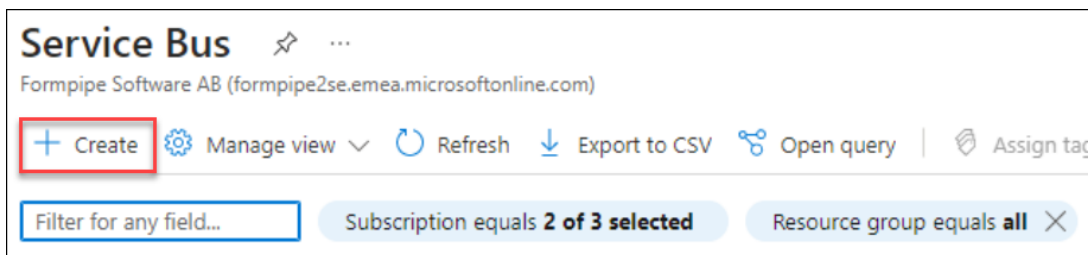
+ Create ⚙️ Manage view ↻ Refresh 📄 Export to CSV 🔗 Open query | 🏷️ Assign tags 🗑️ Delete

Filter for any field... Subscription equals 2 of 3 selected Resource group equals all Location equals all ➕ Add filter

Showing 1 to 27 of 27 records.

<input type="checkbox"/> Name ↑↓	Status ↑↓	Tier ↑↓	Location ↑↓
<input type="checkbox"/> alptest	Active	Basic	North Europe
<input type="checkbox"/> CamtasiaVideos	Active	Basic	North Europe
<input type="checkbox"/> CherylLocalPrinterLN10	Active	Basic	France Central
<input type="checkbox"/> cherylmorris	Active	Basic	North Europe
<input type="checkbox"/> Configtest1	Active	Basic	West Europe
<input type="checkbox"/> configtest2	Active	Basic	West Europe
<input type="checkbox"/> cpdemo2	Active	Standard	West US
<input type="checkbox"/> CRMConnectDelivery	Active	Basic	North Europe

4. Click **Create**.



The following screen will be displayed:

**Microsoft Azure**

Home > Service Bus >

**Create namespace** ⋮  
 Service Bus

**Basics** Advanced Networking Tags Review + create

**Project Details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

1 Subscription \*  ▼

2 Resource group \*  ▼  
[Create new](#)

**Instance Details**

Enter required settings for this namespace.

3 Namespace name \*   
 .servicebus.windows.net

4 Location \*  ▼

5 Pricing tier \*  ▼  
[Browse the available plans and their features](#)

1. Subscription

The Azure subscription to which the service bus will be billed, accept the default, or check with your system administrator to confirm which subscription to use.

- |                   |  |
|-------------------|--|
| 2. Resource Group | Resource Groups are used to help better organize Azure resources, customers usually have a "Lasernet" Resource Group to select here.   |
| 3. Namespace Name | The name of the Azure Service Bus. If your organization has a naming convention then be sure to follow it.   |
| 4. Location       | The location of the physical hardware which hosts the Service Bus, for a test instance the default will be fine but it is best practice to select the location closest to your Finance and Operations and Lasernet resources for a production instance. If you're unsure ask a system administrator. |
| 5. Pricing Tier   | For most use cases, the Basic Tier for Test and Production is sufficient. Unless you print 500K reports per month (or 250K per month using Cloud Print) you will not reach the limit of Basic Tier.  |

5. Fill out the fields as described above.

The screenshot shows the 'Create namespace' page in the Azure portal. The breadcrumb navigation is 'Home > Service Bus >'. The page title is 'Create namespace' with a sub-header 'Service Bus'. There are tabs for 'Basics', 'Advanced', 'Networking', 'Tags', and 'Review + create'. The 'Basics' tab is selected. Under 'Project Details', there is a description: 'Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.' There are two dropdown menus: 'Subscription \*' with 'Private Delivery' selected, and 'Resource group \*' with 'NFGTest' selected. A 'Create new' link is visible below the resource group dropdown. Under 'Instance Details', there is a description: 'Enter required settings for this namespace.' There are three dropdown menus: 'Namespace name \*' with 'DocumentTest' selected and a green checkmark, 'Location \*' with 'North Europe' selected, and 'Pricing tier \*' with 'Basic (~\$0.05 USD per 1M Operations per Month)' selected. A link 'Browse the available plans and their features' is visible below the pricing tier dropdown.

6. Click **Review + create**.

Pricing tier \*


Basic (~\$0.05 USD per 1M Operations per Month)  
[Browse the available plans and their features](#)

**Review + create** < Previous Next: Advanced >

Azure will run basic checks on your configuration, and then display a “Validation succeeded” message.

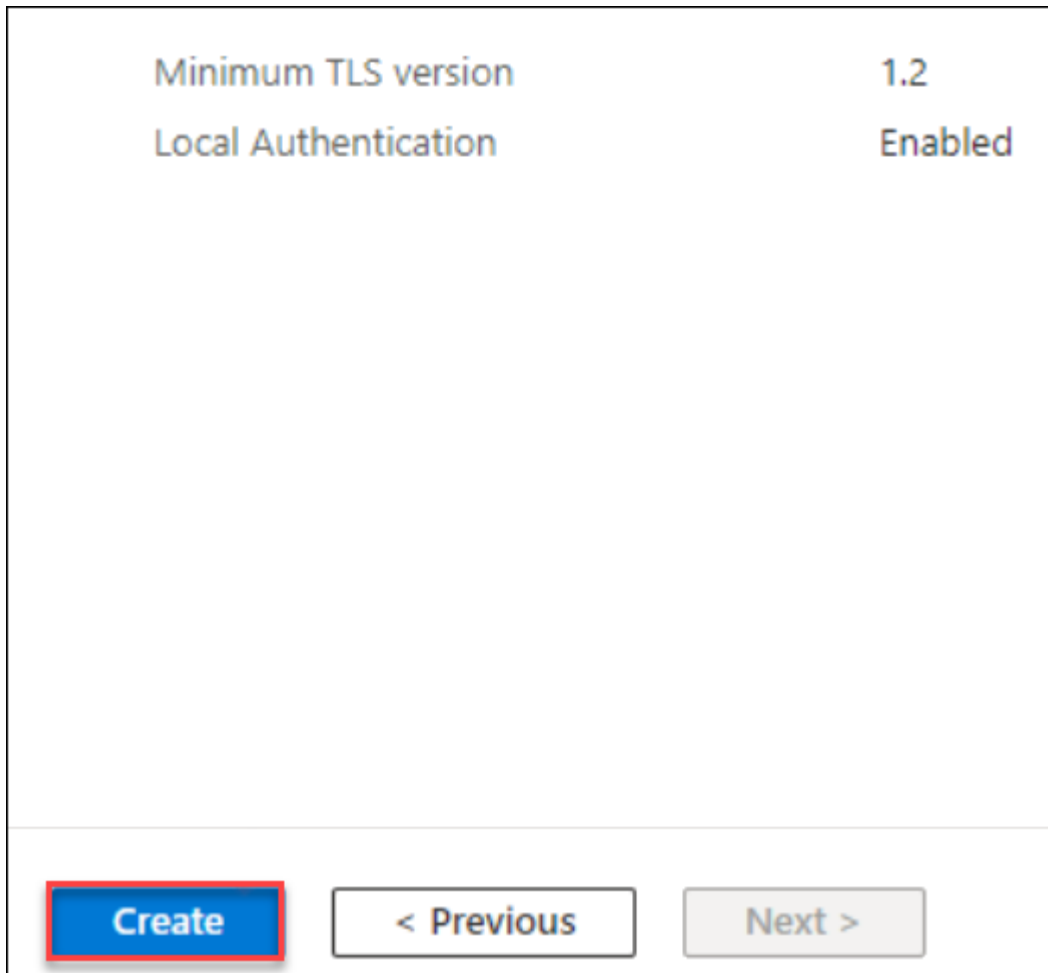
☰ Microsoft Azure

Home > Service Bus >

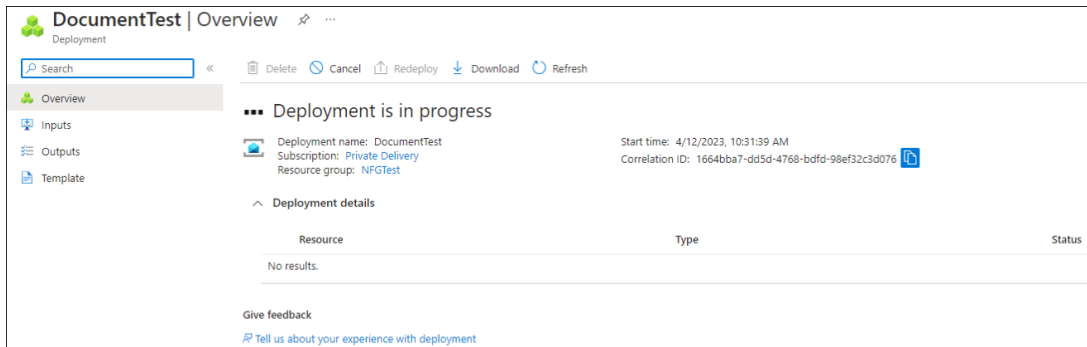
 **Create namespace** ...  
Service Bus

✔ Validation succeeded.

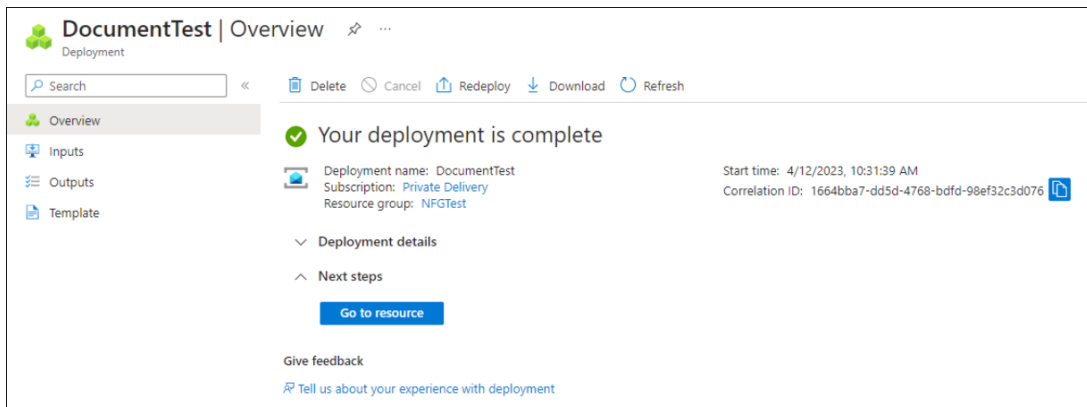
7. Click **Create**.



The deployment will begin, and Azure will confirm that it is in progress.



Once the deployment is complete the following message will be displayed:



8. Click **Go to resource** to be taken to the new Service Bus.

# Generate a connection string for Lasernet

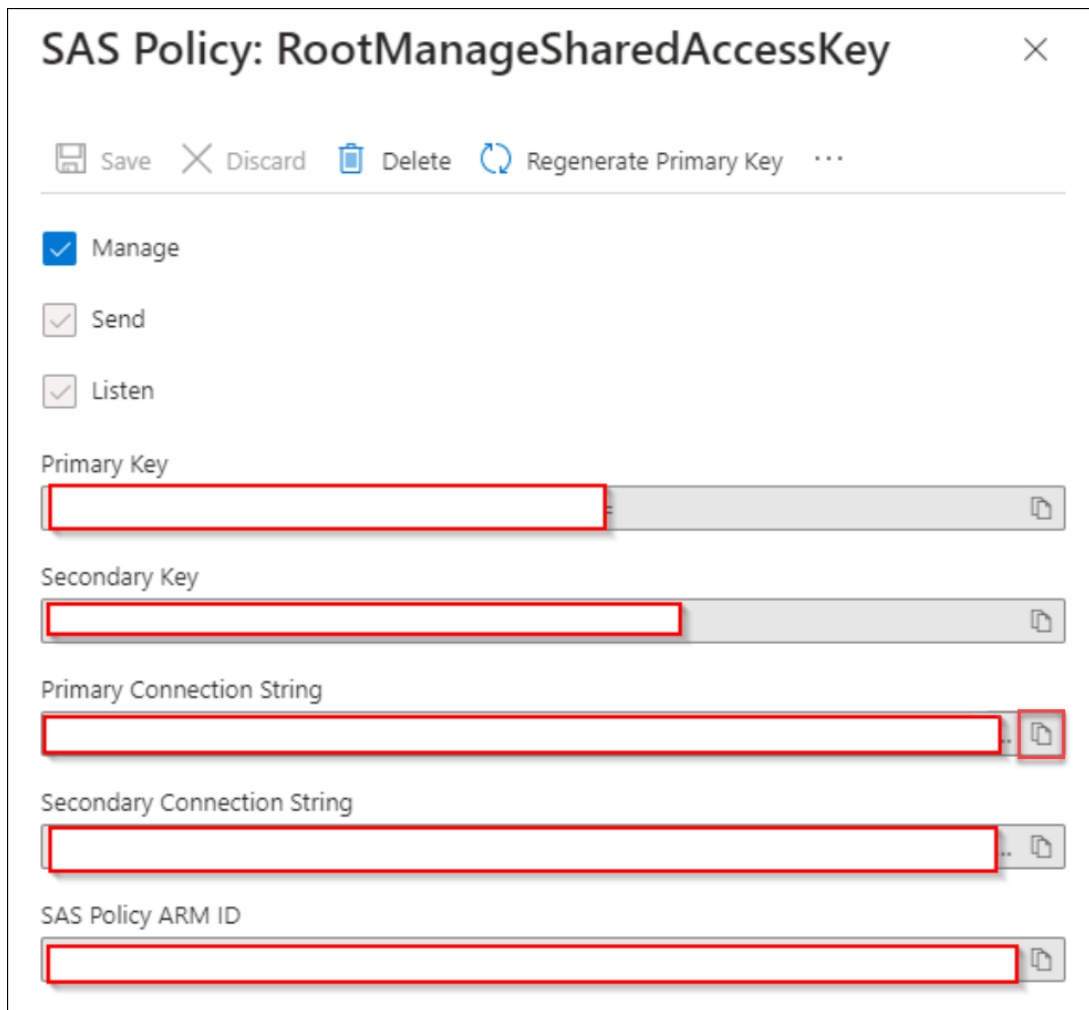
Now the service bus has been created, we need to get the information that allows Lasetnet to use it to send messages, this is the connection string. When you click **Go to resource** in the previous section, you will be directed to this page:

The screenshot shows the Azure portal interface for a Service Bus resource named 'DocumentTest'. The left-hand navigation pane is open to the 'Settings' section, where 'Shared access policies' is highlighted with a red rectangular box. The main content area displays the 'Essentials' for the resource, including its resource group, status, location, and subscription details. Below this, there are two line charts: 'Requests' and 'Messages', both showing zero activity over a 30-day period. At the bottom, there is a 'Queues' section with a search bar.

1. Under Settings, click **Shared access policies**.

The screenshot shows the 'Shared access policies' page for the 'DocumentTest' resource. The left-hand navigation pane is open to the 'Settings' section, and 'Shared access policies' is selected. The main content area shows a search bar and a table of policies. The table has two columns: 'Policy' and 'Claims'. One policy is listed: 'RootManageSharedAccessKey' with claims 'Manage, Send, Listen'. This policy name is highlighted with a red rectangular box.

2. There is already an access policy that we can use, click the **RootManageSharedAccessKey** policy and the following screen is displayed:



There are different keys and strings displayed.

3. Copy the **Primary Connection String** by using the copy icon indicated.

The string can be copied into the Lasernet Connector, or into the Azure Service Bus input in Lasetnet to allow the product to communicate using the Azure Service Bus.

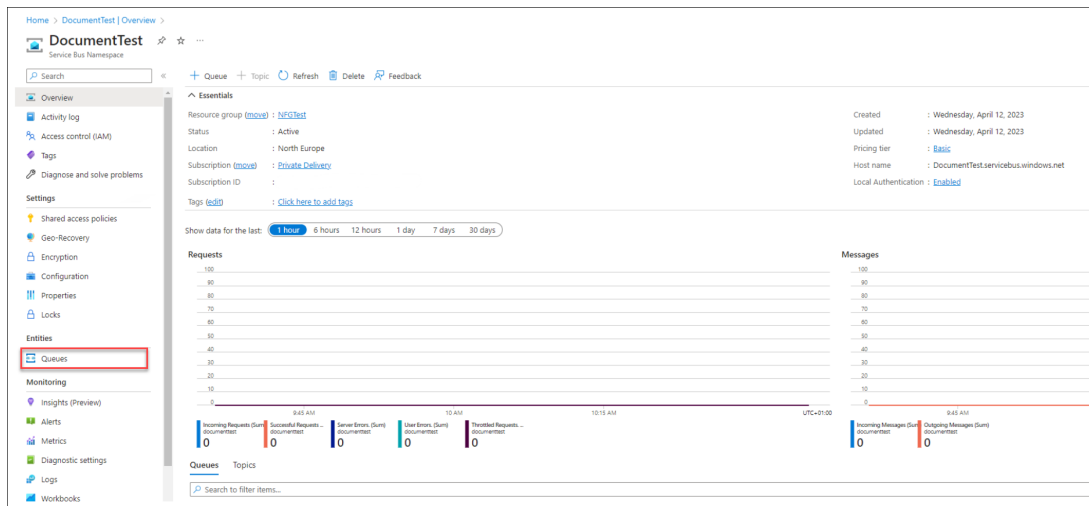
An example:



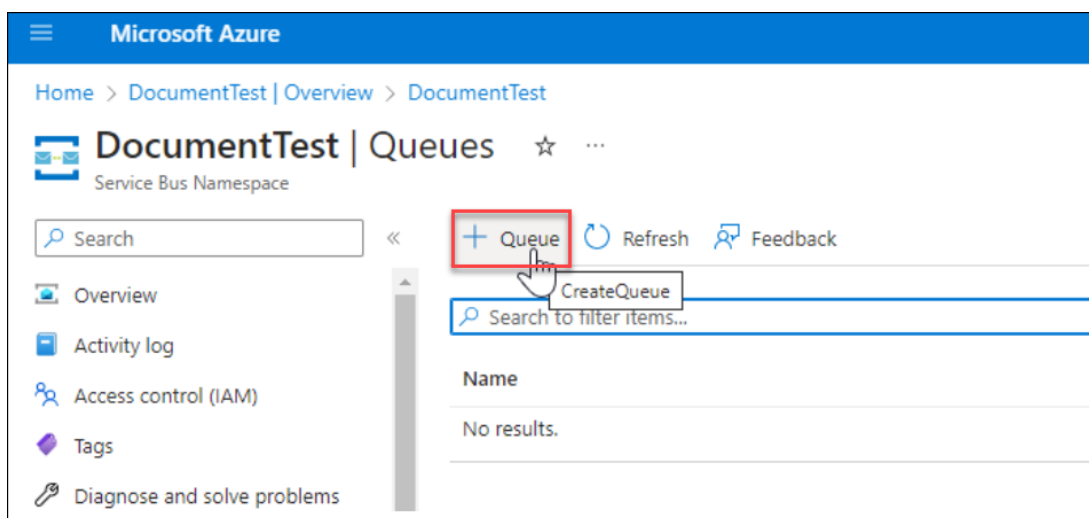
# Create a Queue Name

In this example, the configuration also needs a Queue Name. This can be created from within FO, or from within the service bus.

1. From the Resource Overview page, select **Queues**.



2. Add a new **Queue**.



3. Give the queue a sensible name, keep the other fields as default, and click **Create**.

# Create queue



Service Bus

Name \* ⓘ

Lasernet ✓

Max queue size

1 GB

Max delivery count \* ⓘ

10

Message time to live ⓘ

Days

Hours

Minutes

Seconds

14

0

0

0

Lock duration ⓘ

Days

Hours

Minutes

Seconds

0

0

1

0

Enable dead lettering on message expiration ⓘ

Enable partitioning ⓘ

Create

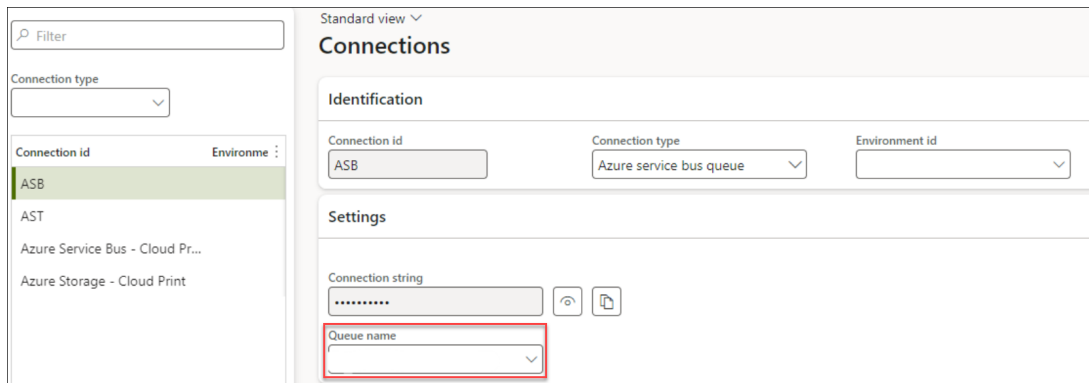
## Note

Microsoft® defines the purpose of dead lettering as holding messages (this requires a dead-letter queue) that cannot be delivered to any receiver or messages that could not be processed.

For more information, visit this link:

<https://learn.microsoft.com/en-us/azure/service-bus-messaging/service-bus-dead-letter-queues>

When you copy the connection string into FO, you will be able to select the queue name from the drop-down.



The screenshot shows the Azure portal interface for managing connections. On the left, there is a sidebar with a search filter and a list of connections. The main area is titled "Connections" and is in "Standard view". It is divided into "Identification" and "Settings" sections. In the "Settings" section, the "Queue name" dropdown menu is highlighted with a red border.

Connection id	Environment
ASB	
AST	
Azure Service Bus - Cloud Pr...	
Azure Storage - Cloud Print	

**Connections**

Standard view

**Identification**

Connection id: ASB      Connection type: Azure service bus queue      Environment id: [dropdown]

**Settings**

Connection string: [masked] [refresh] [copy]

Queue name: [dropdown]