There are two ways to authenticate and authorize access to Azure Service Bus resources:

* Microsoft Entra ID
* Shared Access Signatures (SAS).

TokenCredential credential = new ClientSecretCredential("<tenant\_id>", "<client\_id>", "<client\_secret>");

var client = new ServiceBusClient("<fully\_qualified\_namespace>", credential);

<https://learn.microsoft.com/en-us/azure/service-bus-messaging/authenticate-application>

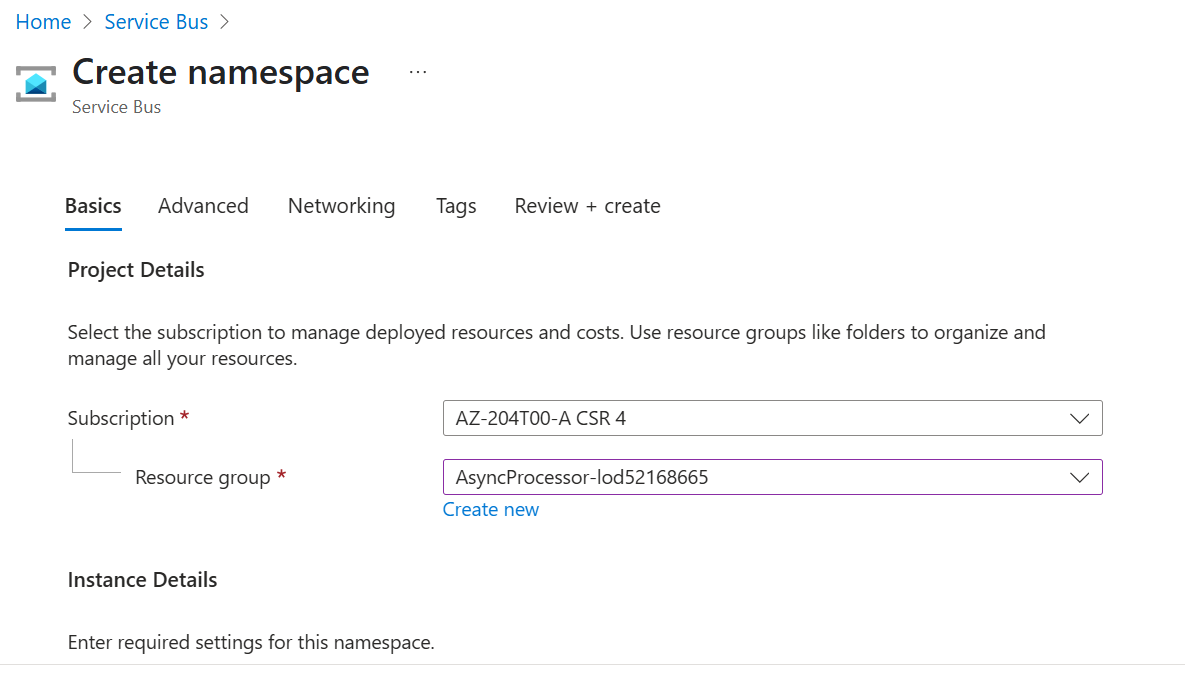
<https://concurrentflows.com/azure-service-bus-authentication-with-entra-identities-and-azure-credentials>

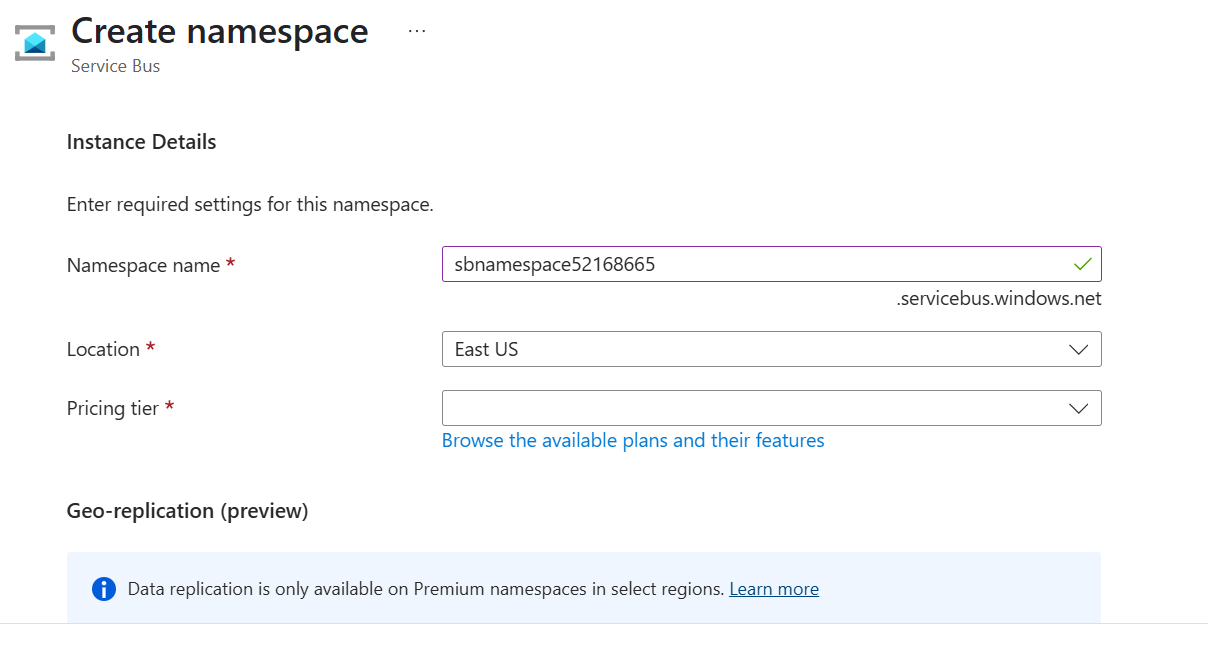
<https://learn.microsoft.com/en-us/azure/role-based-access-control/role-assignments-portal>

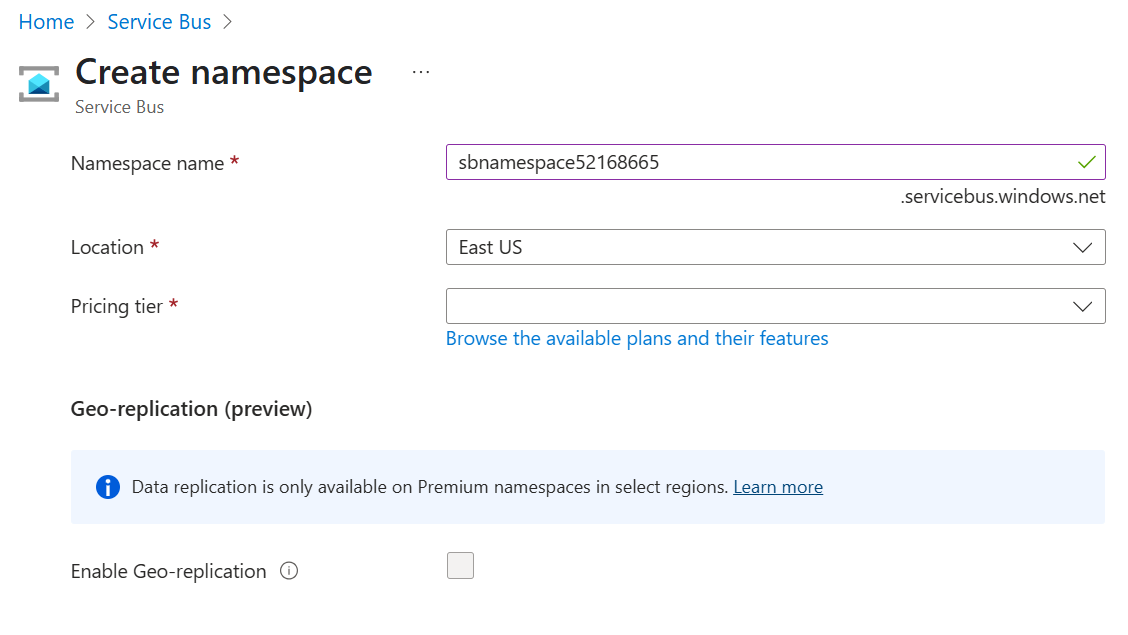
<https://learn.microsoft.com/en-us/azure/service-bus-messaging/service-bus-managed-service-identity>

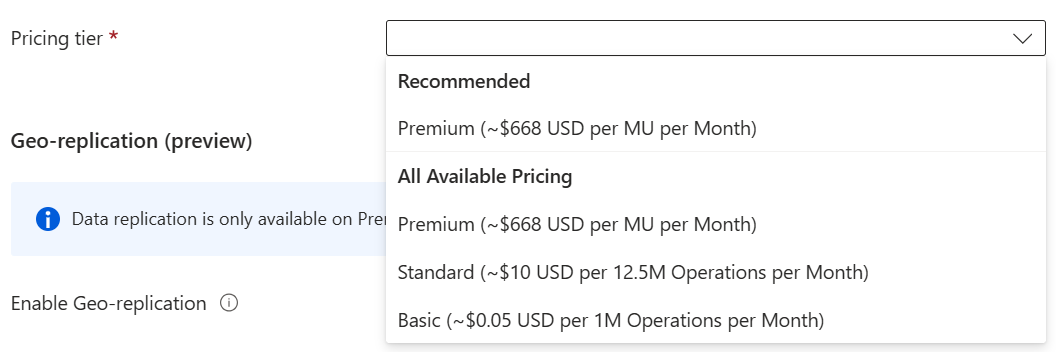
* [Azure Service Bus Data Owner](https://learn.microsoft.com/en-us/azure/role-based-access-control/built-in-roles#azure-service-bus-data-owner): Use this role to allow full access to Service Bus namespace and its entities (queues, topics, subscriptions, and filters)
* [Azure Service Bus Data Sender](https://learn.microsoft.com/en-us/azure/role-based-access-control/built-in-roles#azure-service-bus-data-sender): Use this role to allow sending messages to Service Bus queues and topics.
* [Azure Service Bus Data Receiver](https://learn.microsoft.com/en-us/azure/role-based-access-control/built-in-roles#azure-service-bus-data-receiver): Use this role to allow receiving messages from Service Bus queues and subscriptions.

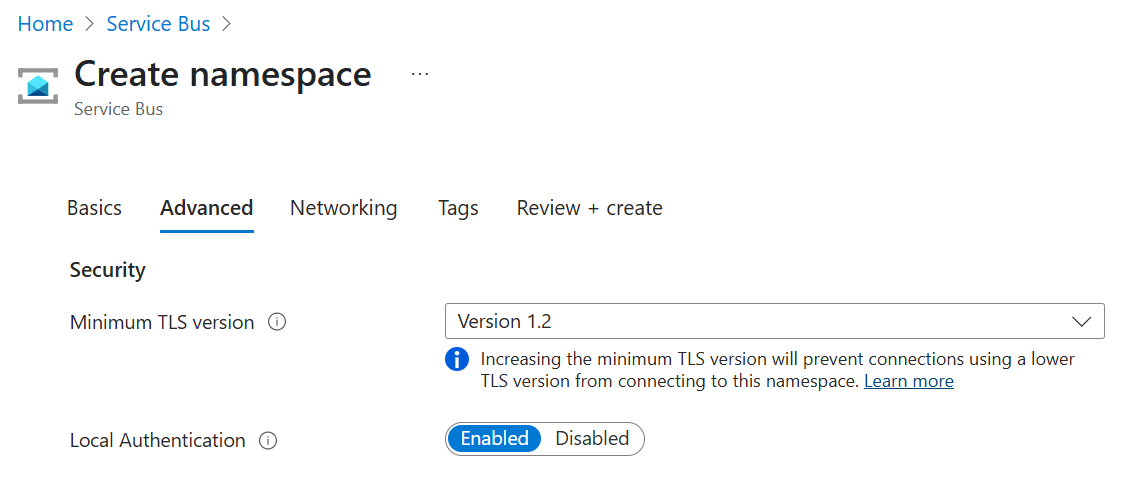
**Authenticate a managed identity with Microsoft Entra ID to access Azure Service Bus resources**

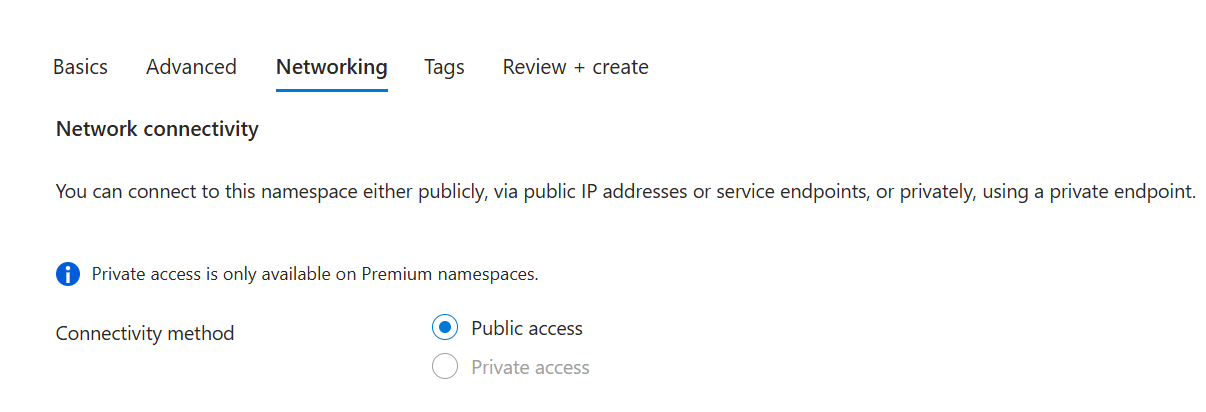


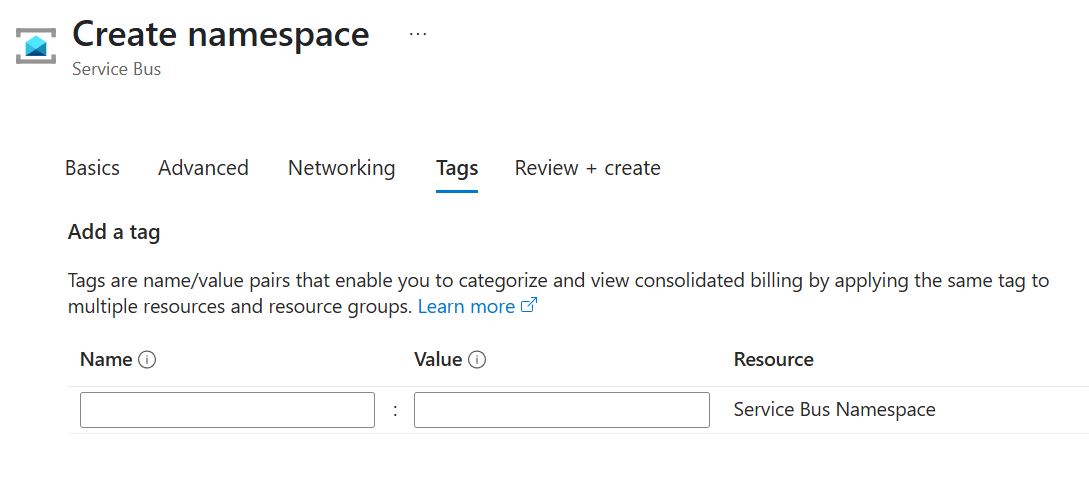


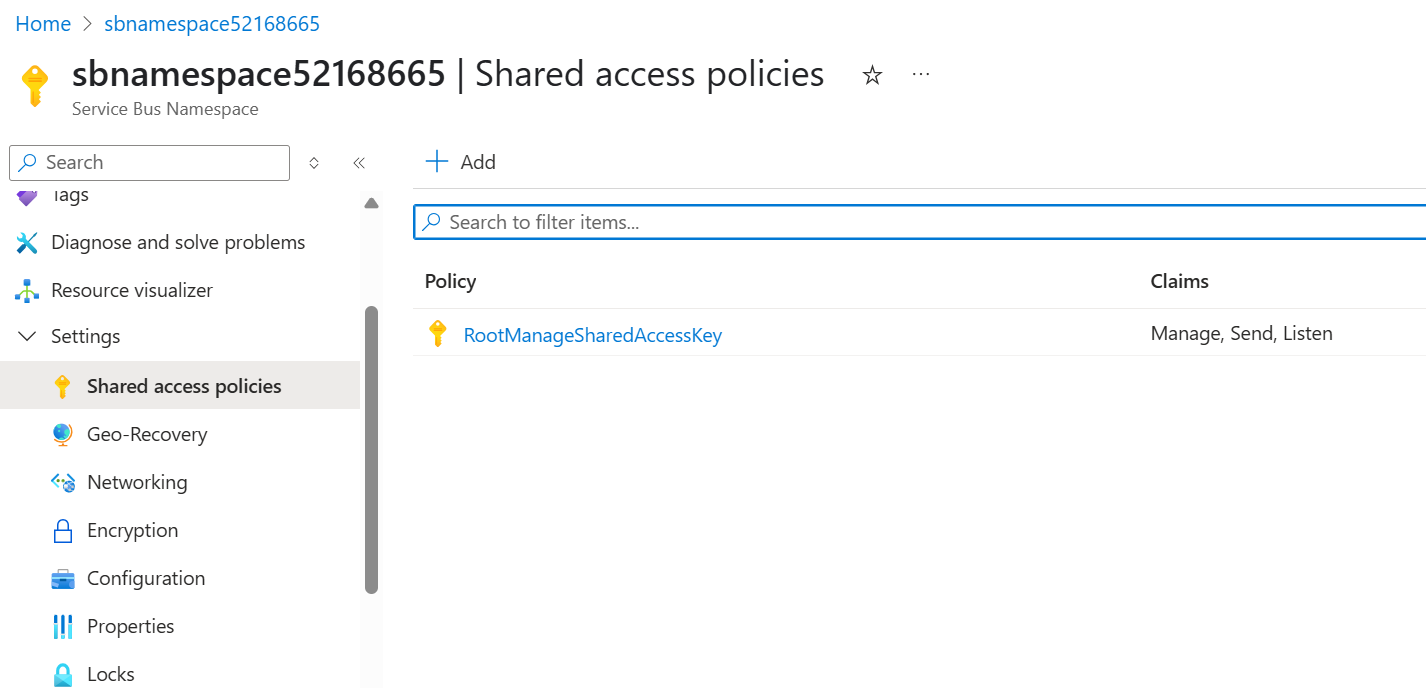


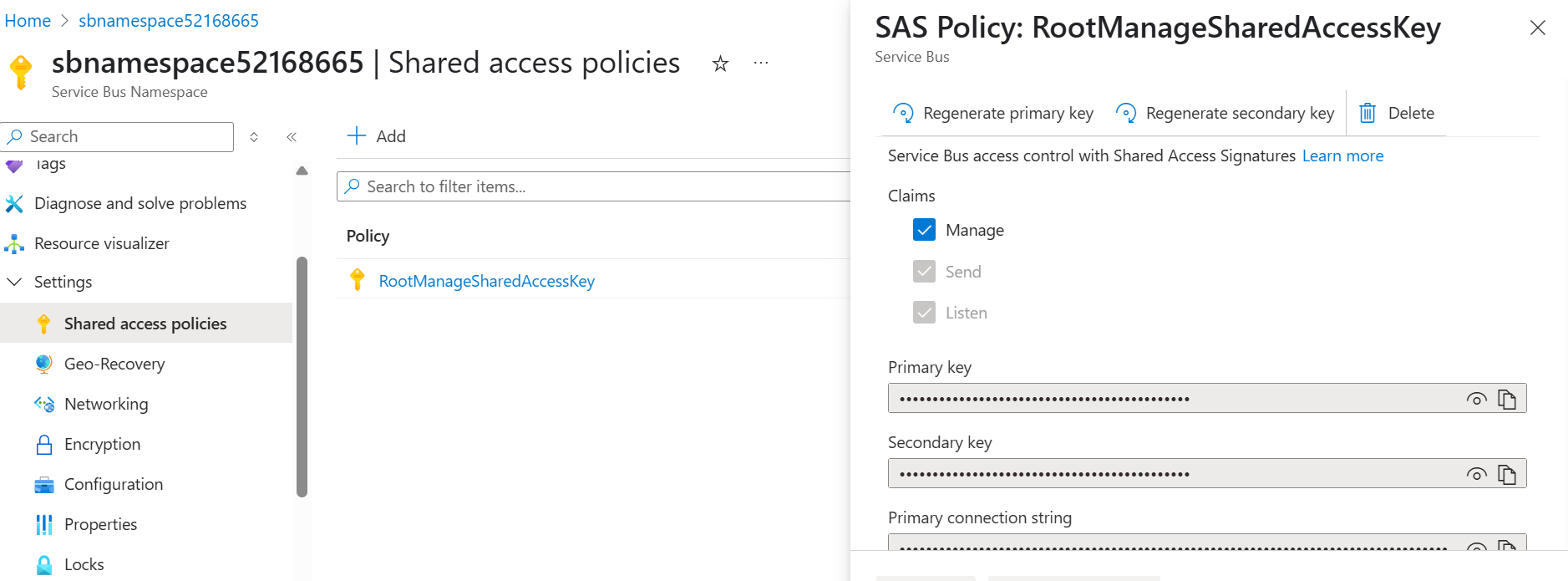


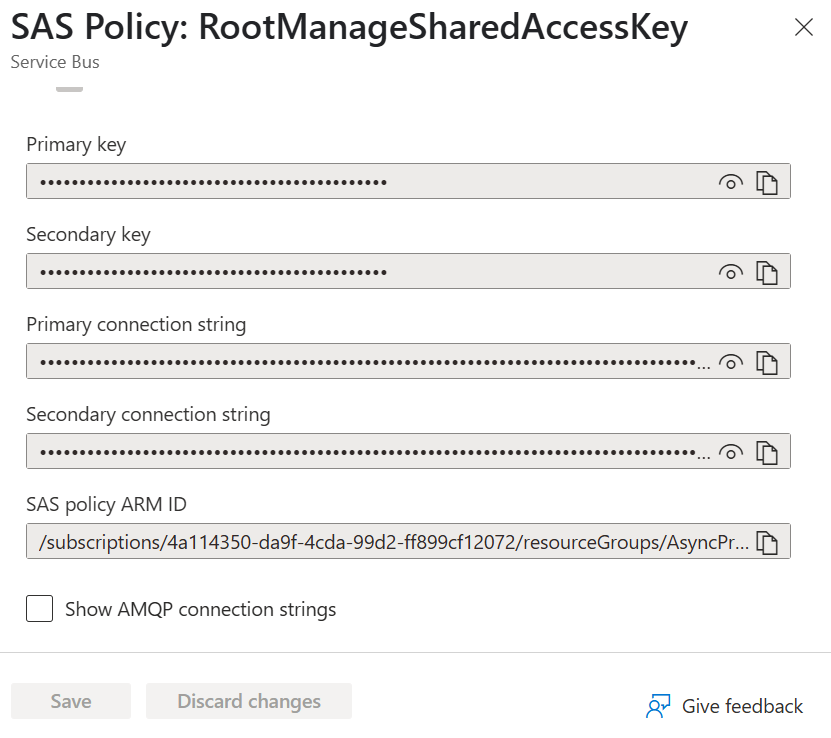












Primary key

3HhJ13SDI2S7Dvq+6rBvT/lpbto3mvvSQ+ASbDOqhqY=

Primary connection string

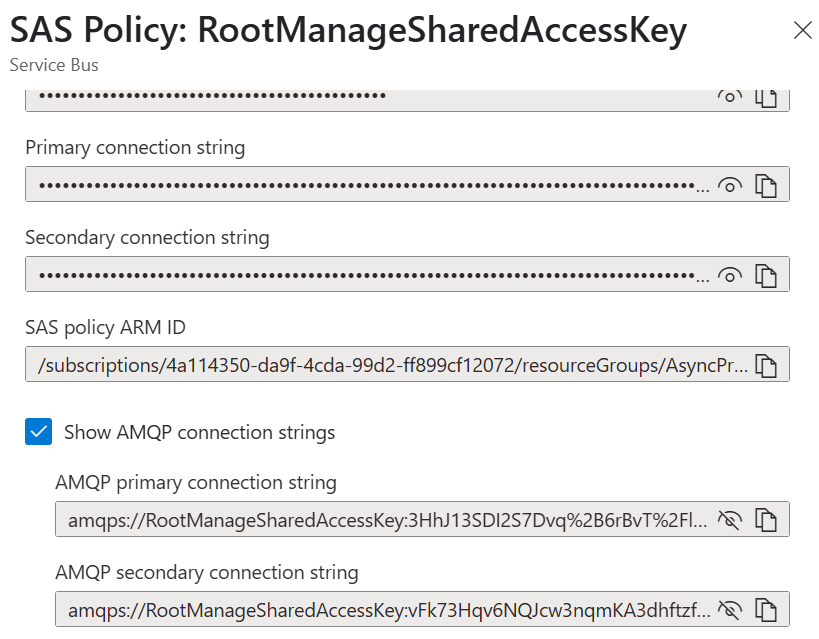
Endpoint=sb://sbnamespace52168665.servicebus.windows.net/;SharedAccessKeyName=RootManageSharedAccessKey;SharedAccessKey=3HhJ13SDI2S7Dvq+6rBvT/lpbto3mvvSQ+ASbDOqhqY=

Service bus endpoint

<https://sbnamespace52168665.servicebus.windows.net:443/>

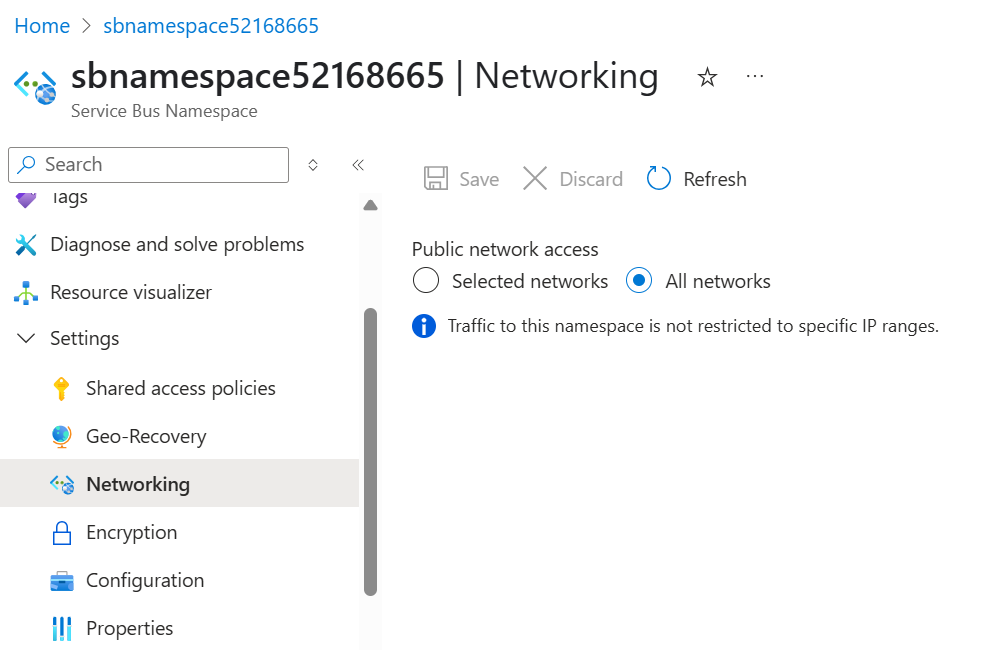
namespace name

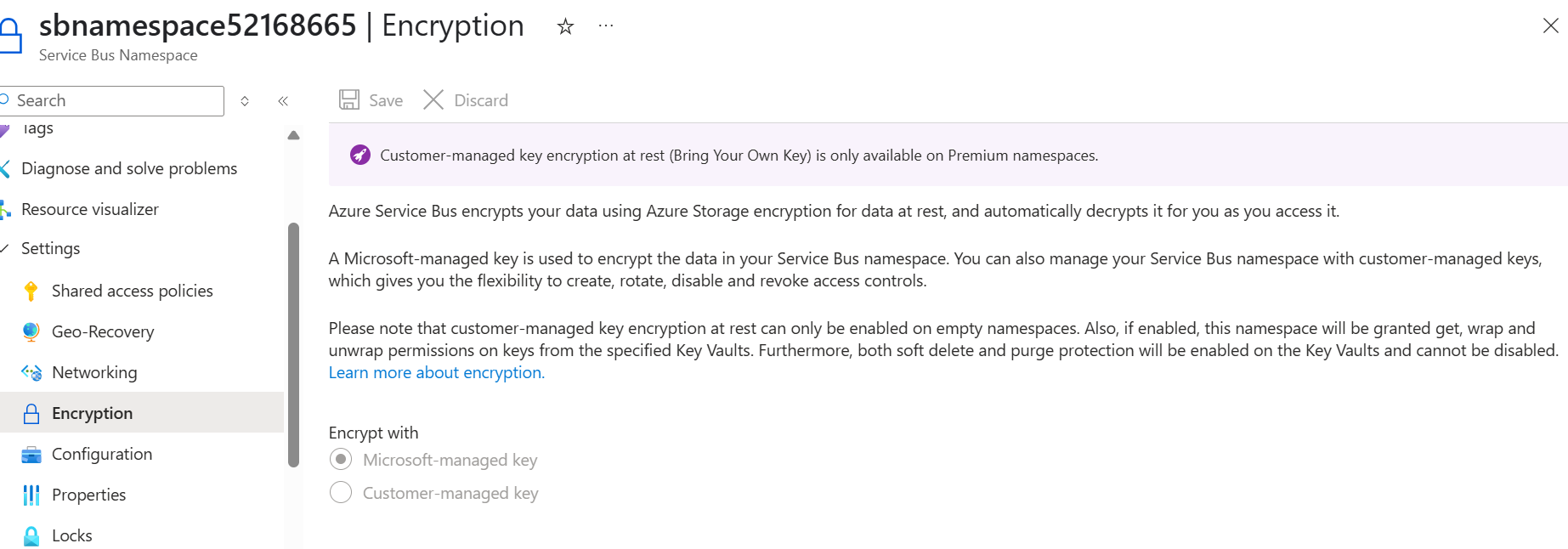
sbnamespace52168665

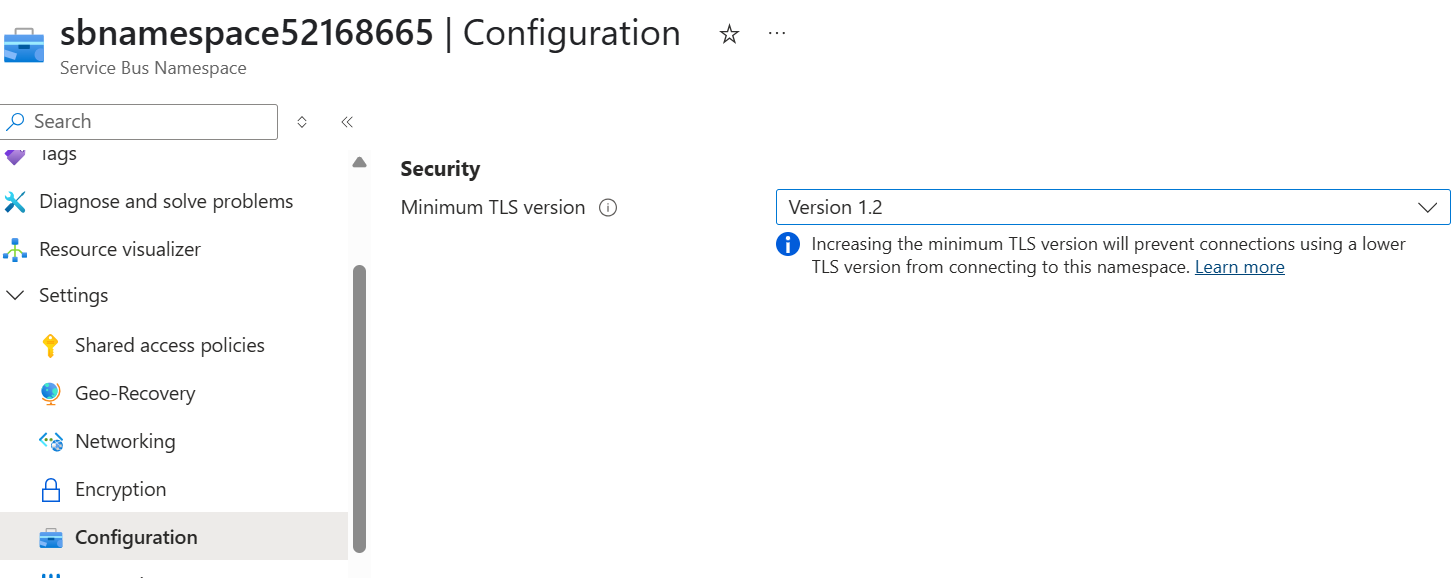


AMQP primary connection string

amqps://RootManageSharedAccessKey:3HhJ13SDI2S7Dvq%2B6rBvT%2Flpbto3mvvSQ%2BASbDOqhqY%3D@sbnamespace52168665.servicebus.windows.net:5671/?verify=verify\_none

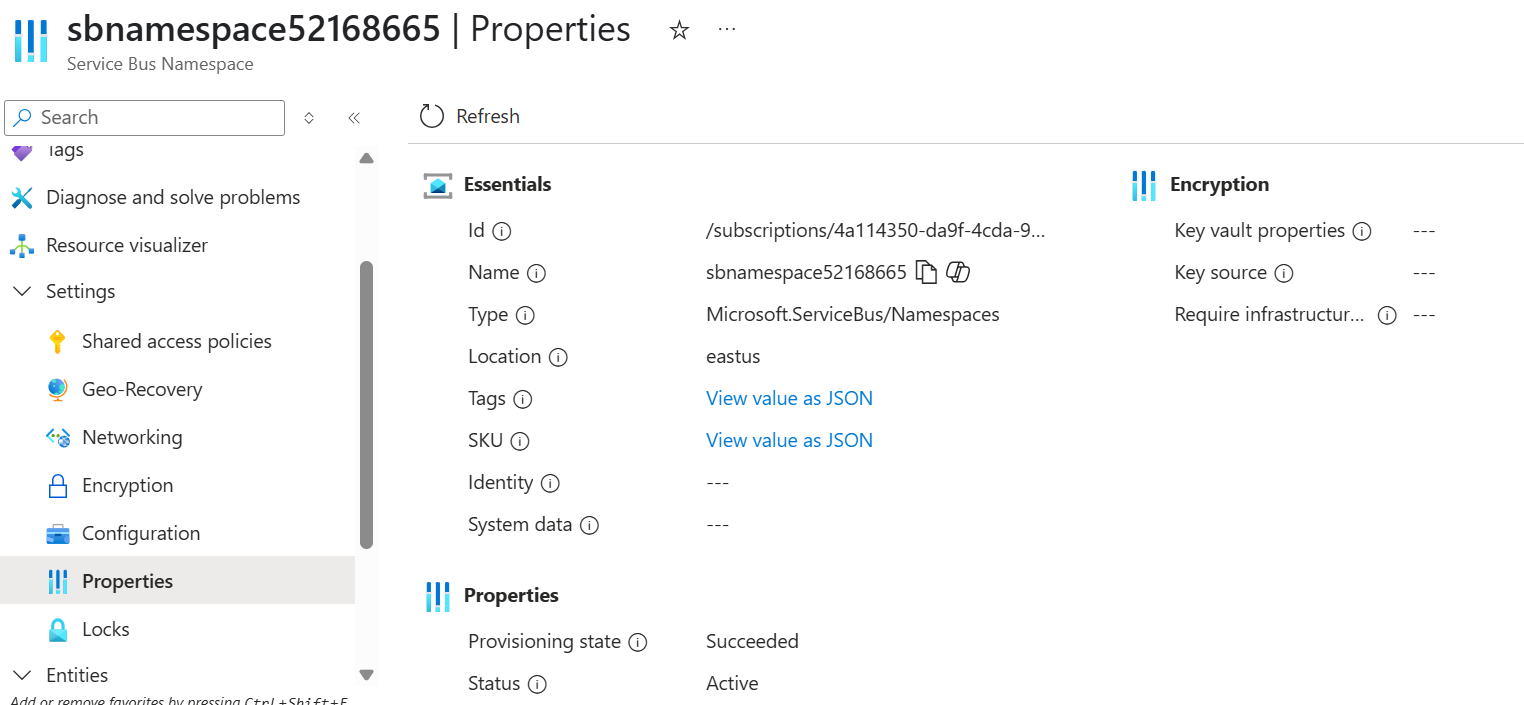


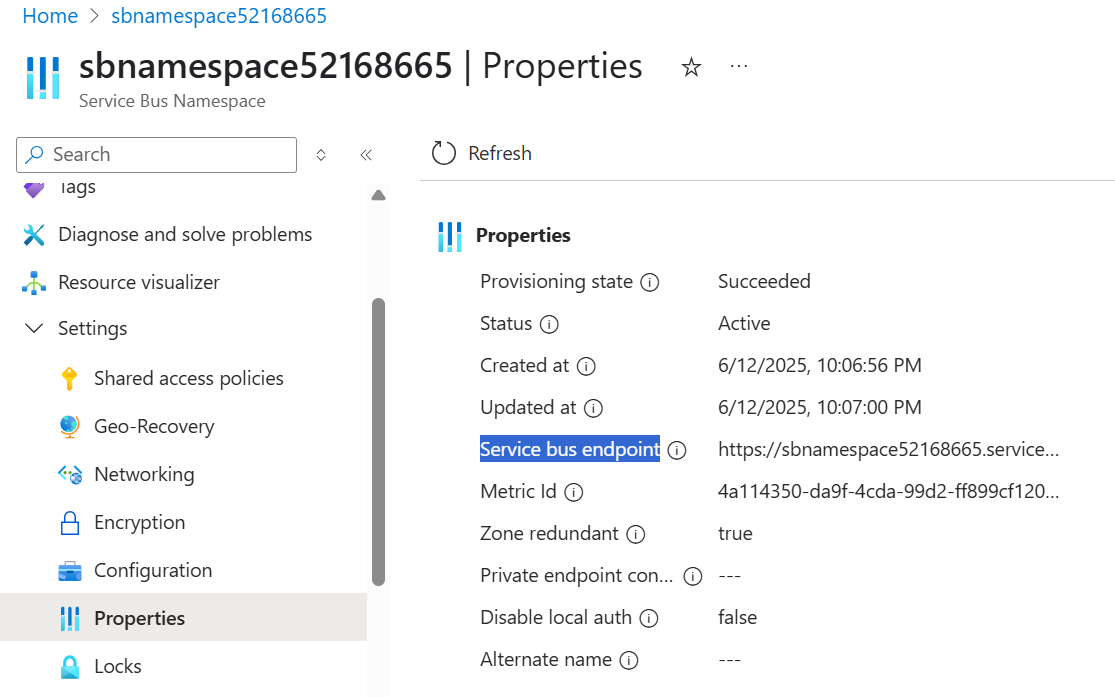


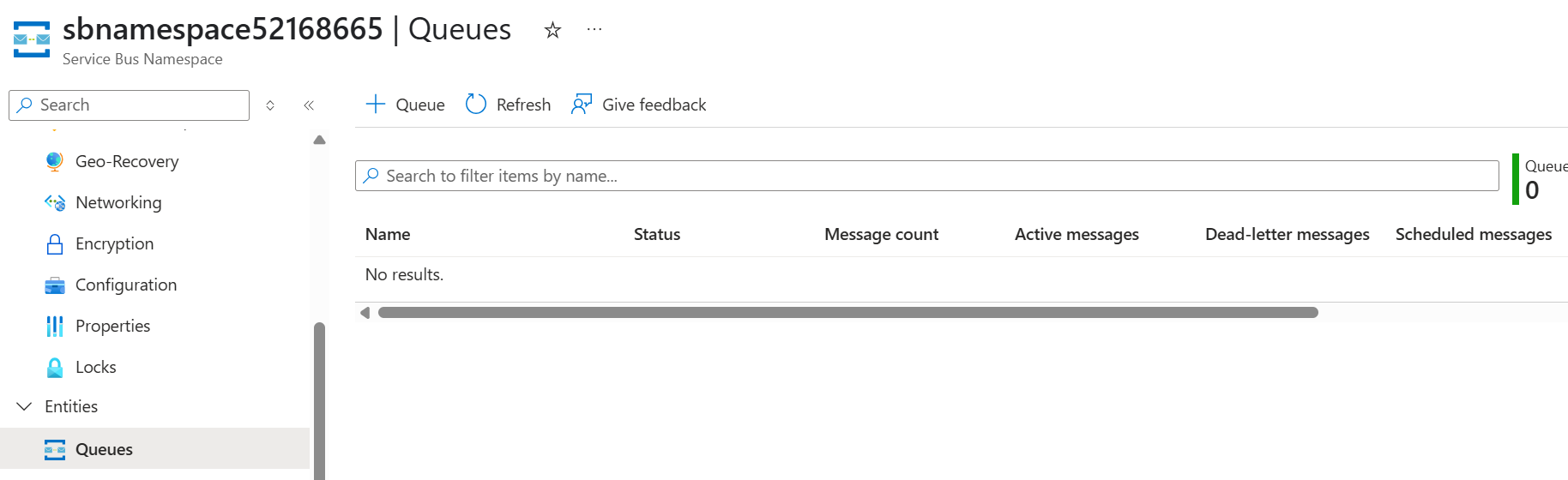


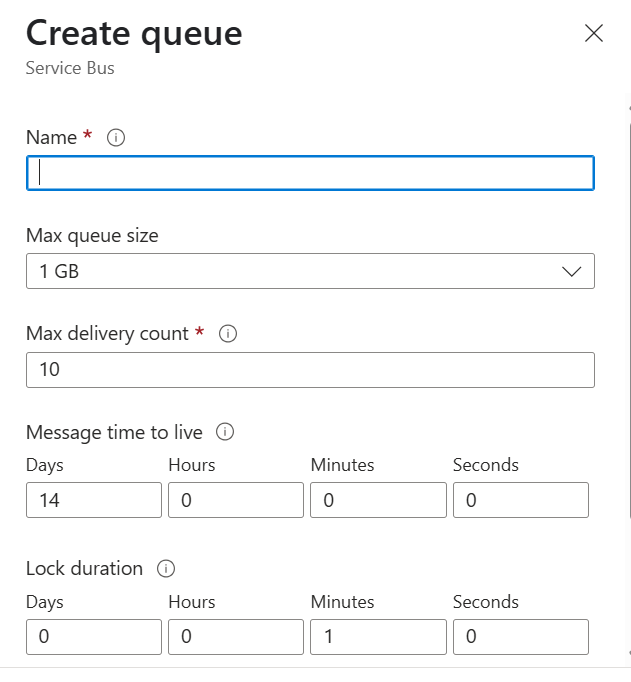
Service bus endpoint

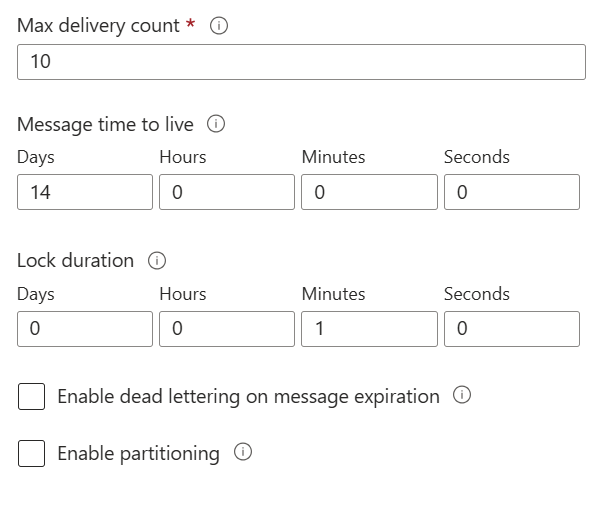
<https://sbnamespace52168665.servicebus.windows.net:443/>





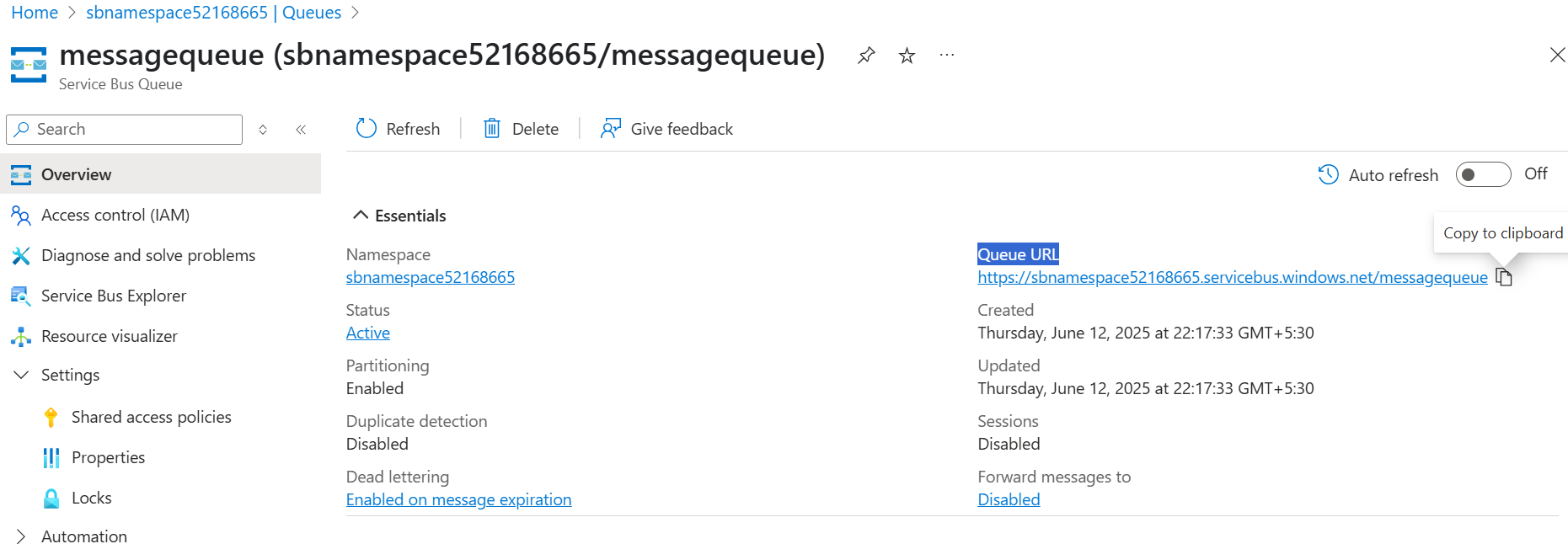


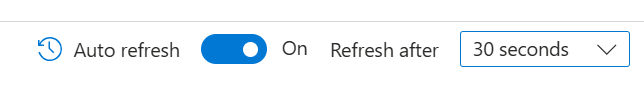


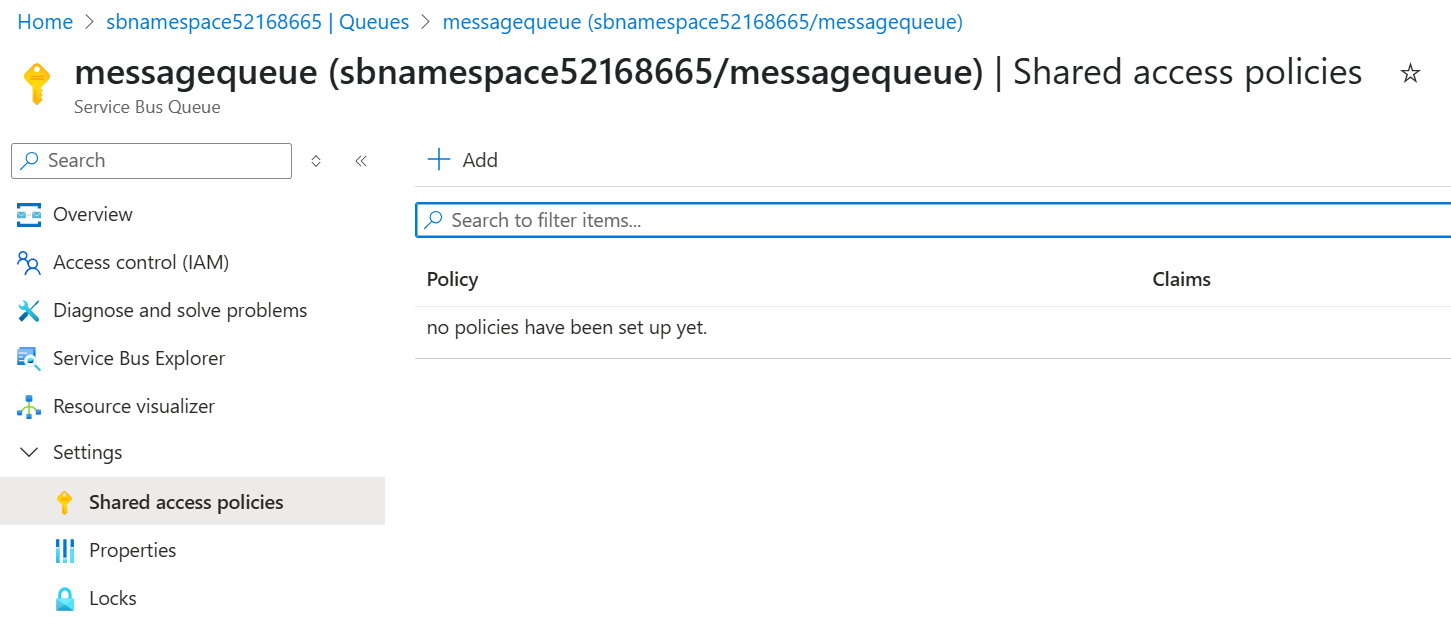


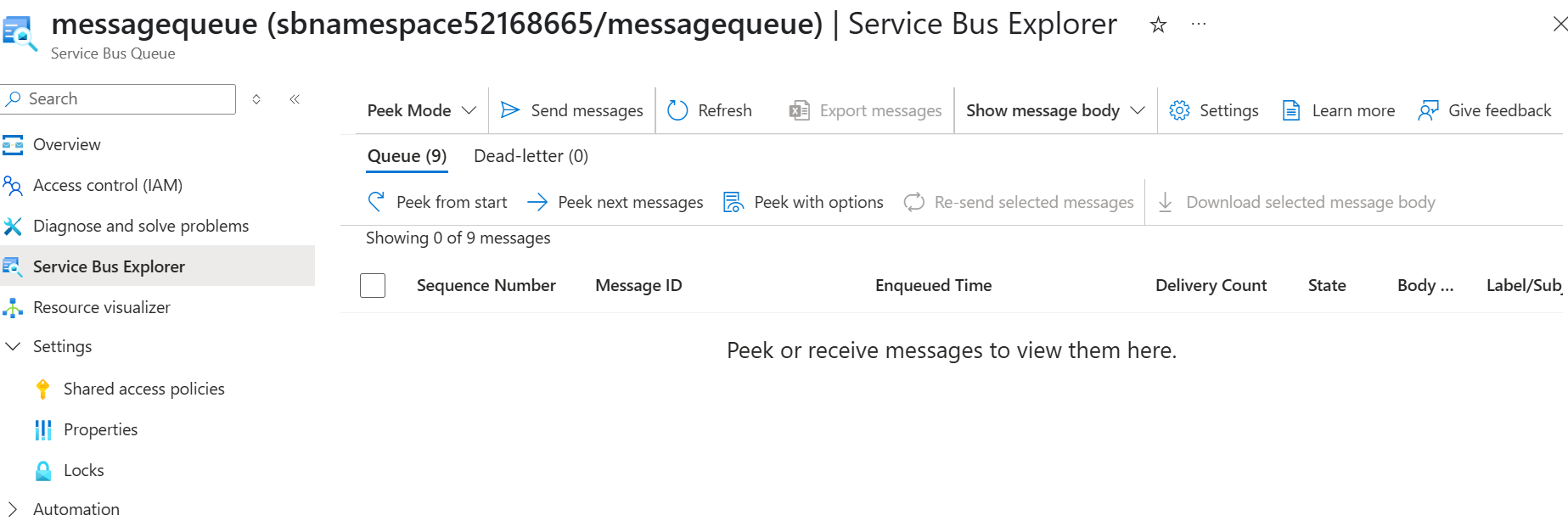
Queue URL

<https://sbnamespace52168665.servicebus.windows.net/messagequeue>









1. Select **Service Bus Explorer**.
2. With the **Peek Mode** tab header selected, on the **Queue** tab, select the **Peek from start** button.
3. Verify that the queue contains three messages.
4. Select the first message and review its content in the **Message** pane.

The following screenshot displays the first message's content.

