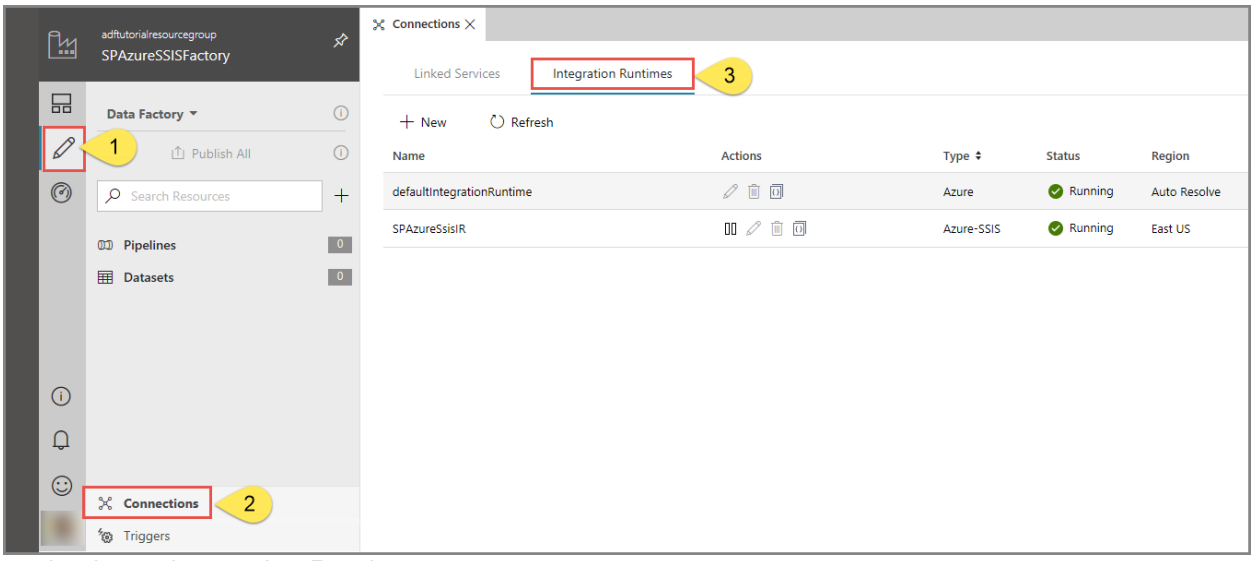
Example - Setup an Azure-SSIS Integration Runtime

Note:

You are not required to complete the processes, tasks, activities, or steps presented in this example. The various provided are for illustrative purposes only and it's likely that if you try this out you will encounter issues in your

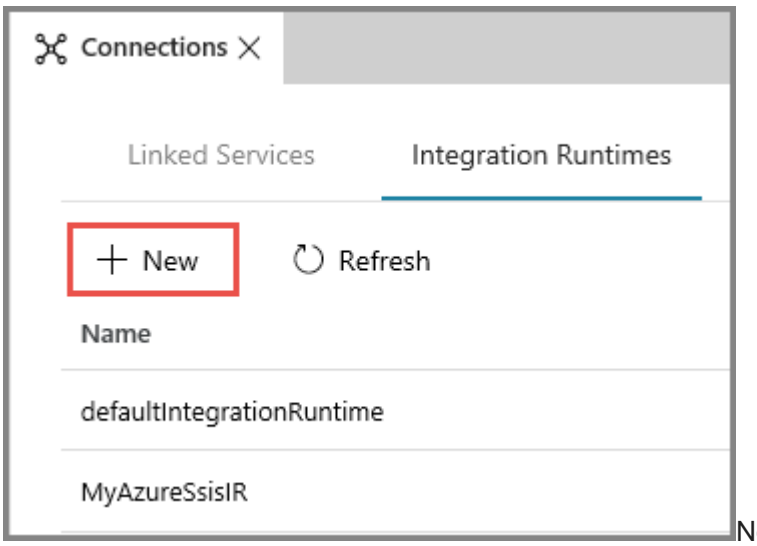
You would perform the following steps to setup an Integration Runtime

1. In the Azure Data Factory designer, in the **Edit** tab, click **Connections**. Click on the **Integration Runtimes** tab to view existing Integration Runtimes in your data factory.



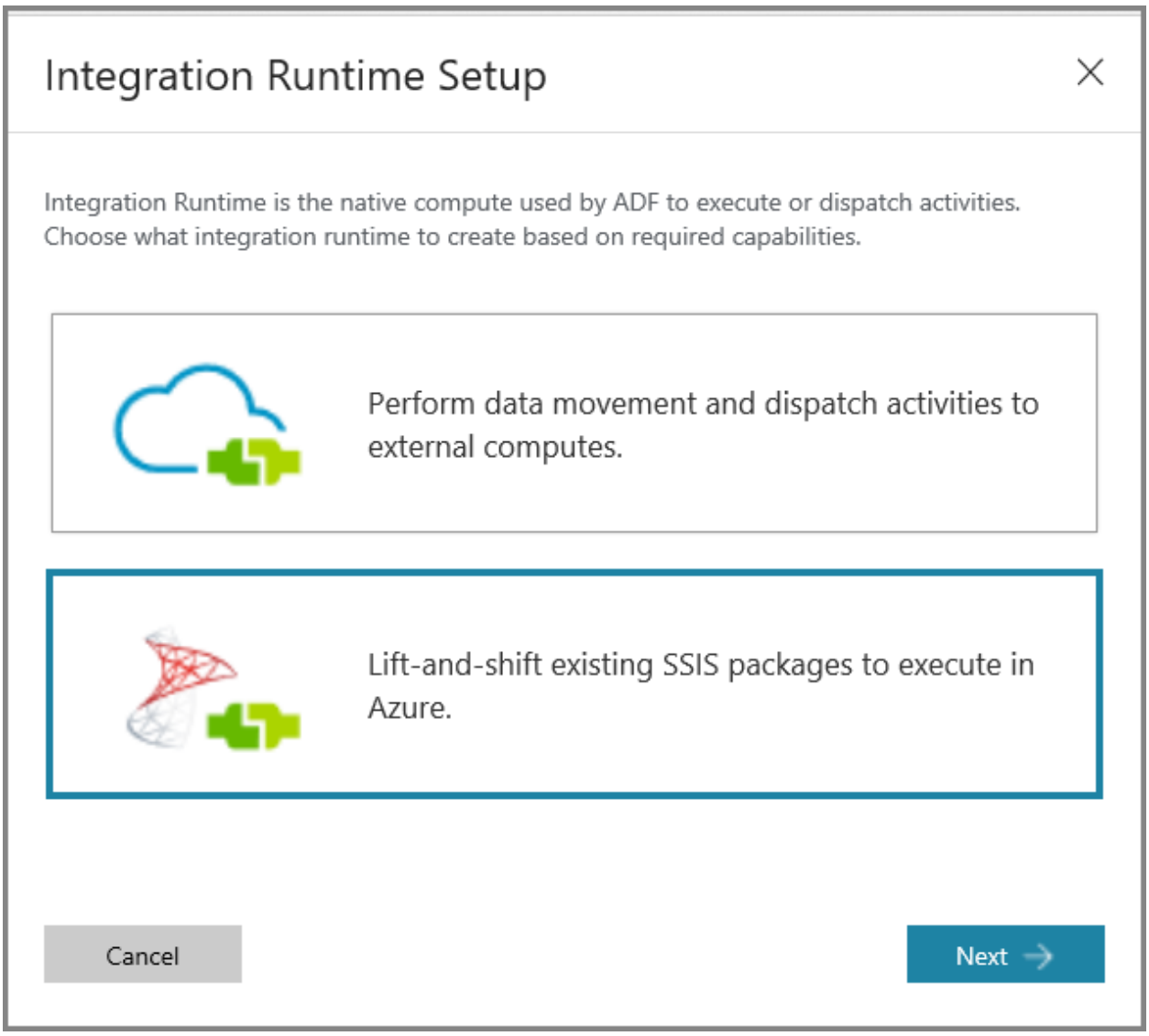
navigating to Integration Runtimes

2. Click + **New** to create an Azure-SSIS IR and open the **Integration Runtime setup** pane.



New Connections Window

3. In the Integration Runtime setup pane, select the Lift-and-shift existing SSIS packages to execute in Azure tile, and then select Next.



Integration Runtime Setup

4. On selecting this option, there are three types of settings to configure

General settings page 1. On the General settings page of Integration Runtime setup pane, complete the following steps:

Integration Runtime Setup

General Settings

Name *

integrationRuntime1

Description

Type

Azure-SSIS

Location *

West Europe

Node Size *

Standard_D4_v2 (8 Core(s), 28672 MB)

Node Number *

2

Edition/License *

Standard

Save Money

Save with a license you already own. Already have a SQL Server license? Yes No

By selecting "yes", I confirm I have a SQL Server license with Software Assurance to apply this Azure Hybrid Benefit for SQL Server.

Cancel

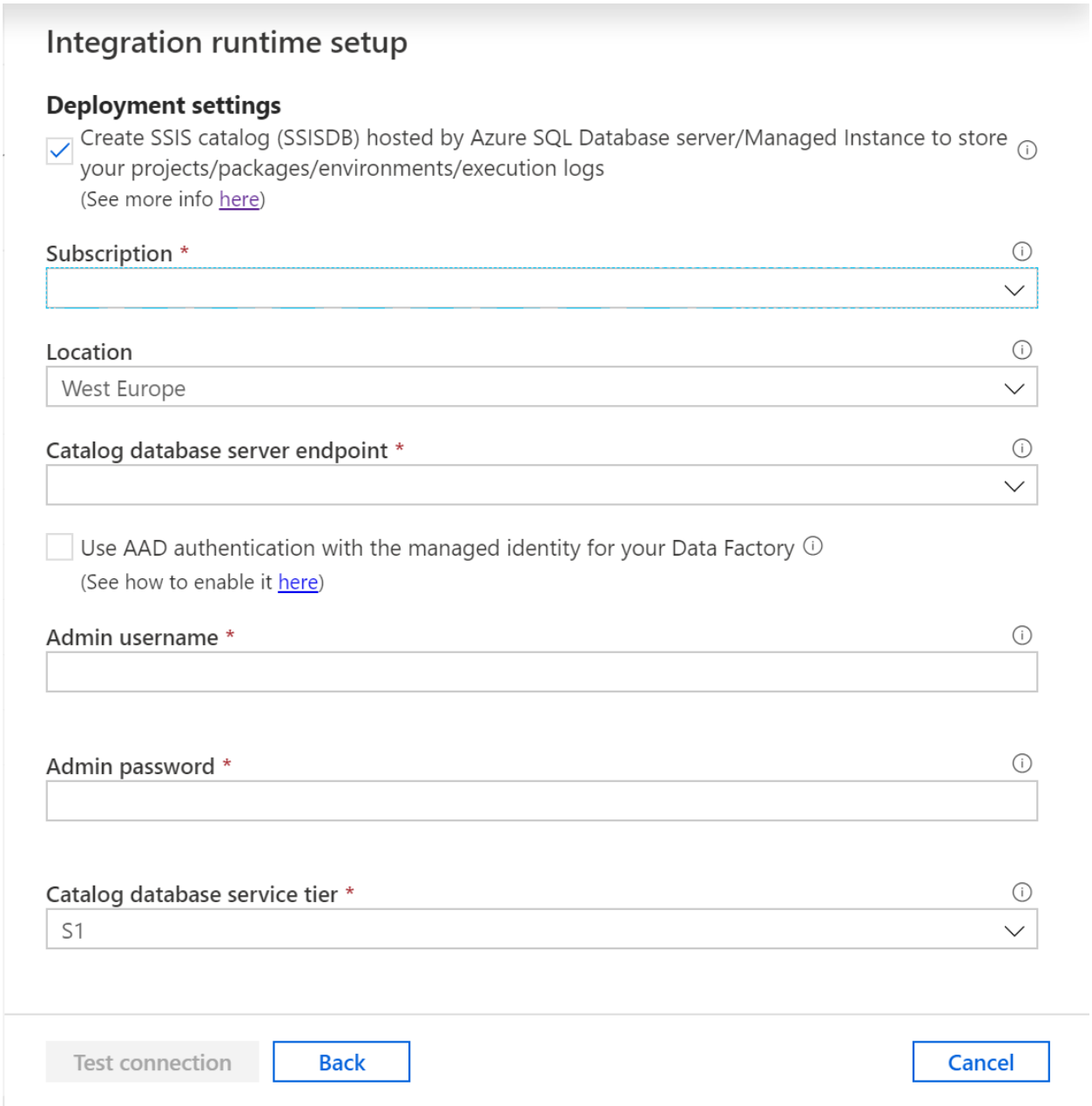
Next →

Integrati

on Runtime General settings page

2. In Name, enter the name of your Integration Runtime. 3. For Description, enter the description of your Integration Runtime. 4. For Location, select the location of your Integration Runtime. It is recommended that you select the same location of your database server to host SSISDB. 5. For Node Size, select the size of node in your Integration Runtime cluster. 6. For Node Number, select the number of nodes in your Integration Runtime cluster. 7. For Edition/License, select the SQL Server edition for your Integration Runtime. 8. For Save Money, select the Azure Hybrid Benefit option for your Integration Runtime: Select Yes if you want to bring your own SQL Server license with Software Assurance to benefit from cost savings with hybrid use. 9. Select Next.

Deployment settings page 1. On the Deployment settings page of Integration Runtime setup pane, complete the following steps. 2. Click the Create SSIS catalog (SSISDB) hosted by Azure SQL Database server/Managed Instance to store your projects/packages/environments/execution logs check box to choose the package deployment mode.

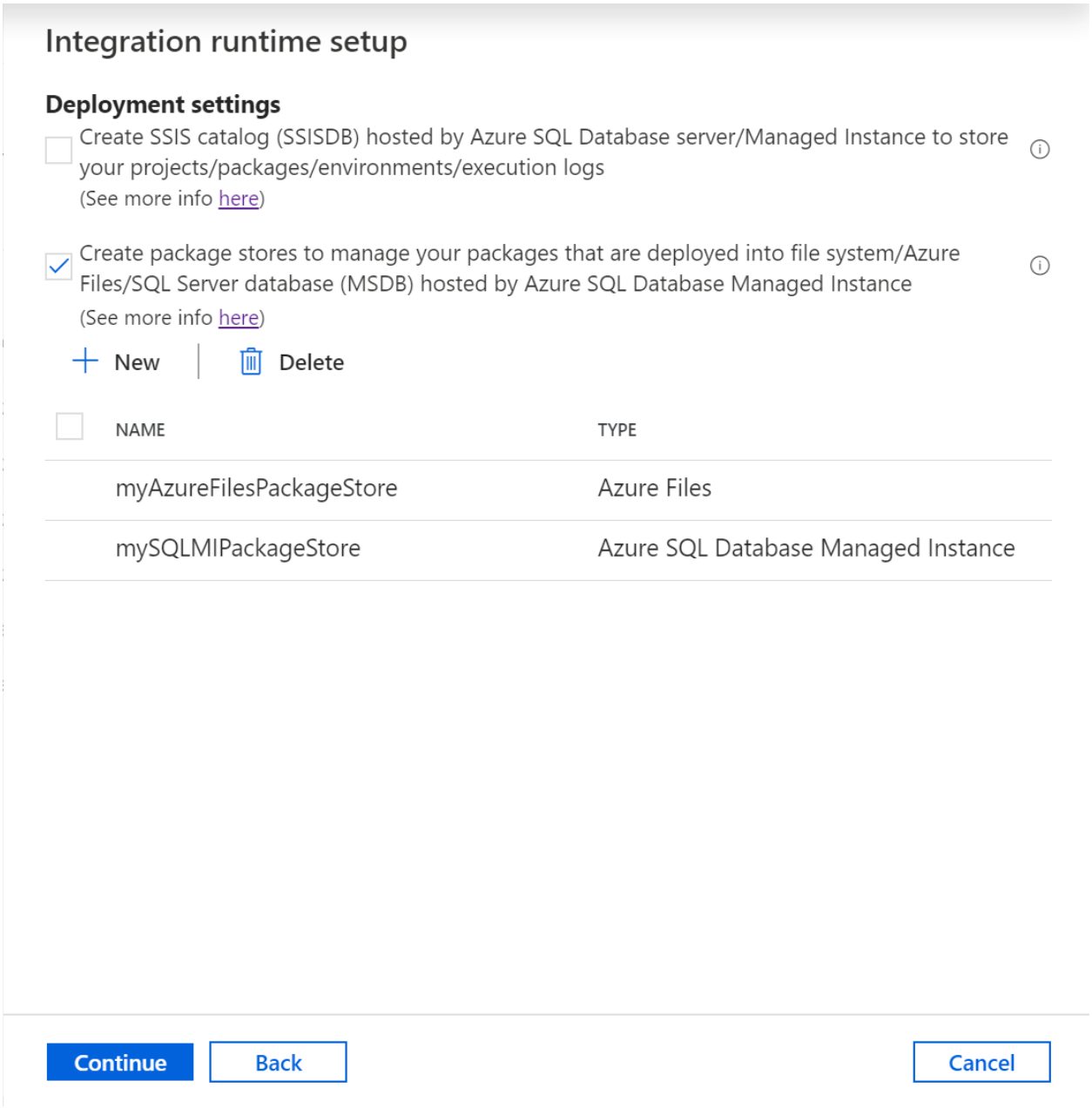


Create SSIS catalog (SSISDB) hosted by Azure SQL Database server/Managed Instance

3. For Subscription, select the Azure subscription that has your database server to host SSISDB. 4. For Location, select the location of your database server to host SSISDB. We recommend that you select the same location of your Integration Runtime. 5. For Catalog Database Server Endpoint, select the endpoint of your database server to host SSISDB. 6. Select the Use Azure Active Directory authentication with the managed identity for your ADF check box to choose the authentication method for your database server to host SSISDB. 7. For Admin Username, enter the SQL authentication

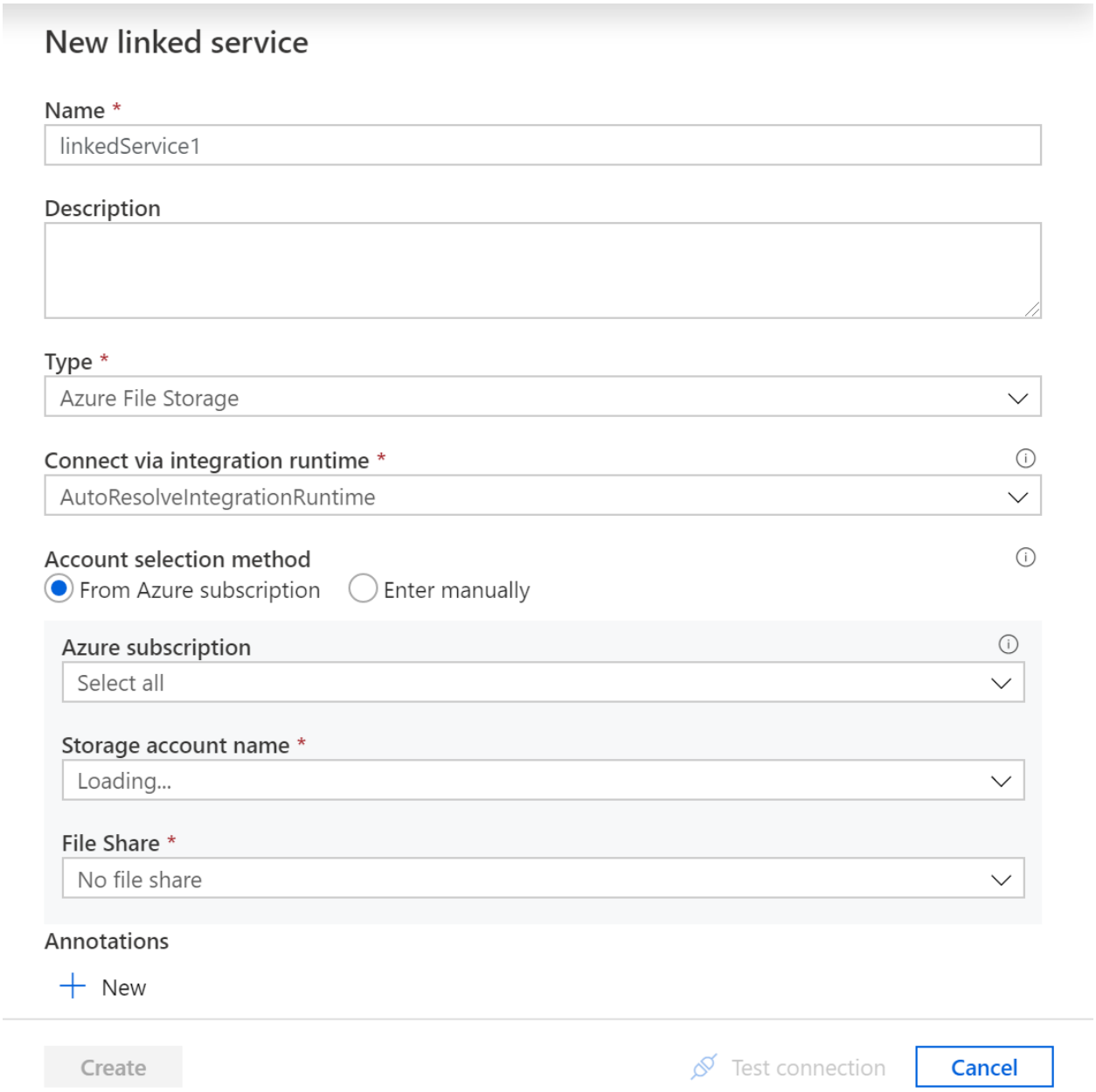
username for your database server to host SSISDB. 8. For Admin Password, enter the SQL authentication password for your database server to host SSISDB. 9. For Catalog Database Service Tier, select the service tier for your database server to host SSISDB. Select the Basic, Standard, or Premium tier, or select an elastic pool name.

The alternative approach is to: 1. Select the Create package stores to manage your packages that are deployed into file system/Azure Files/SQL Server database (MSDB) hosted by Azure SQL Managed Instance check box to choose whether you want to manage your packages that are deployed into MSDB, file system, or Azure Files (Package Deployment Model) with Azure-SSIS IR package stores.



Create package stores to manage your packages

2. On the Add package store pane, complete the following steps. 3. For Package store name, enter the name of your package store. 4. For Package store linked service, select your existing linked service that stores the access information for file system/Azure Files/Azure SQL Managed Instance where your packages are deployed or create a new one by selecting New. On the New linked service pane, complete the following steps.



New linked service page

5. For Name, enter the name of your linked service.

6. For Description, enter the description of your linked service.

7. For Type, select Azure File Storage, Azure SQL Managed Instance, or File System.

8. You can ignore **Connect via Integration Runtime**, since we always use your Azure-SSIS IR to fetch the access information for package stores.

9. If you select **Azure File Storage**, complete the following steps.

10 .For **Account selection method**, select **From Azure subscription** or **Enter manually**.

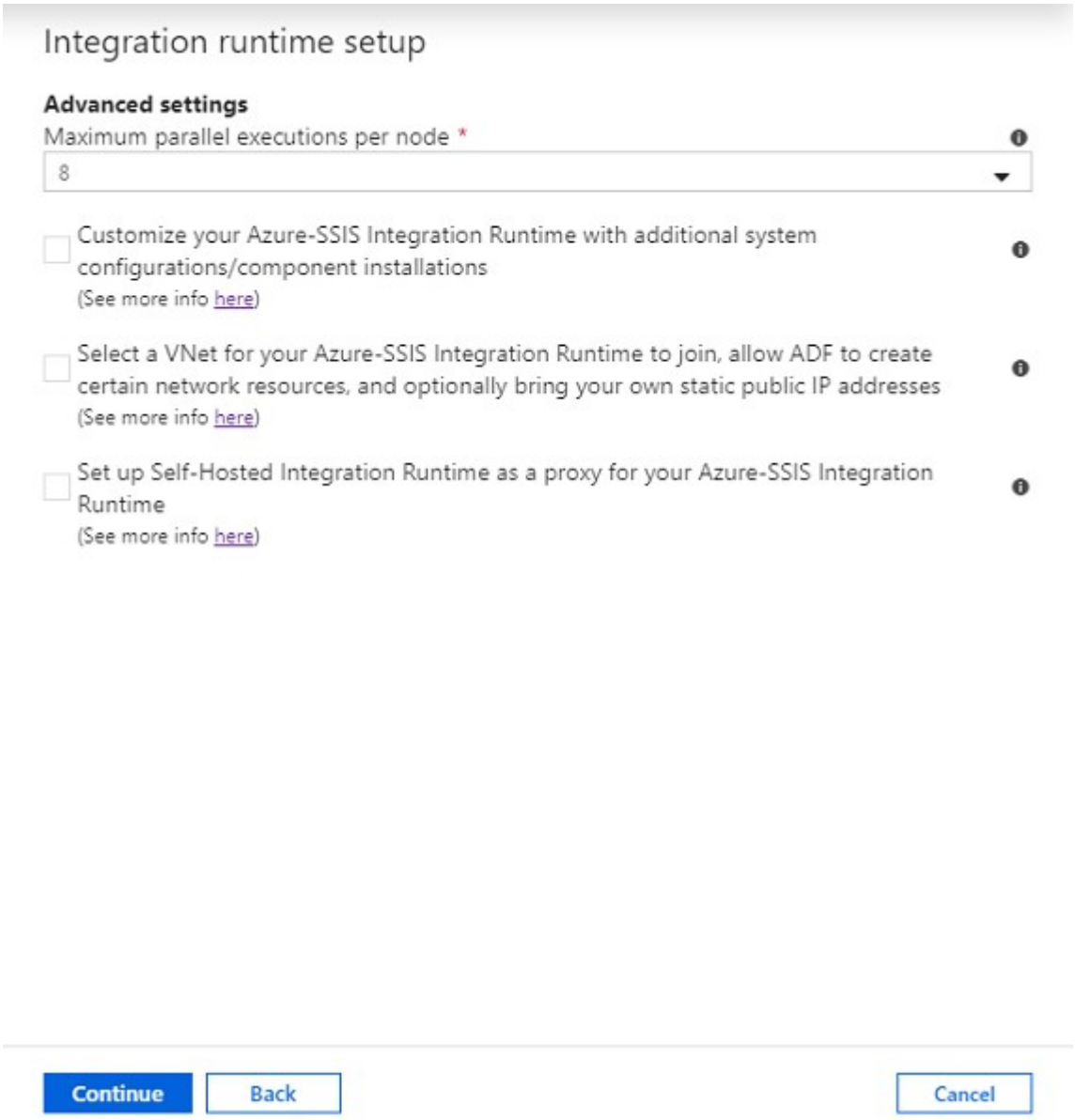
11. If you select **From Azure subscription**, select the relevant **Azure subscription**, **Storage account name**, and **File share**.

12. If you select **Enter manually**, enter `\\<storage account name>.file.core.windows.net\<file share name>` for **Host**, `Azure\<storage account name>` for **Username**, and `<storage account key>` for **Password** or select your **Azure Key Vault** where it's stored as a secret.

NOTE: There are different settings if you select **Azure SQL Managed Instance**, or **File System**

13. Select **Test connection** when applicable and if it's successful, select **Next**.

Advanced settings page 1. On the **Advanced settings** page of **Integration Runtime setup** pane, complete the following steps.



Integration Runtime setup advanced settings

2. For Maximum Parallel Executions Per Node, select the maximum number of packages to run concurrently per node in your Integration Runtime cluster.

3. Select the Customize your Azure-SSIS Integration Runtime with additional system configurations/component installations check box to choose whether you want to add standard/express custom setups on your Azure-SSIS IR.

4. Select the **Select a VNet for your Azure-SSIS Integration Runtime to join, allow ADF to create certain network resources, and optionally bring your own static public IP addresses** check box to choose whether you want to join your Azure-SSIS IR to a virtual network.

5. Select the **Set up Self-Hosted Integration Runtime as a proxy for your Azure-SSIS Integration Runtime** check box to choose whether you want to configure a self-hosted IR as proxy for your Azure-SSIS IR. For more information.

6. Click **Continue**.

7. On the **Summary**, review all provisioning settings, and select **Finish** to start the creation of your Integration Runtime.

8. On the **Connections** pane of **Manage** hub, switch to the **Integration Runtimes** page and select **Refresh**.