

Examen 2º Parcial- INF 317- Pregunta 2

Enunciado:

2. Mediante el replicador de SQL Server, genere una réplica de la base de datos que usted trabajo en la primera pregunta.

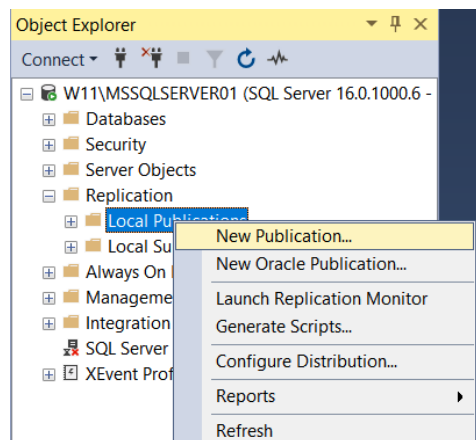
Base de datos

Usamos las mismas bases de datos creadas en la pregunta 1:

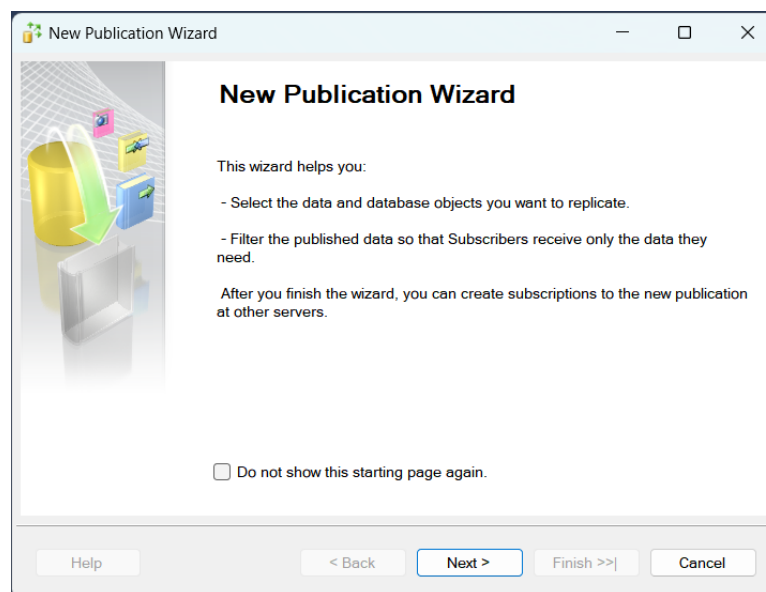
- Publicador: **AdventureWorks**
- Suscriptor: **AdventureWorks2**

Creación de la Publicación

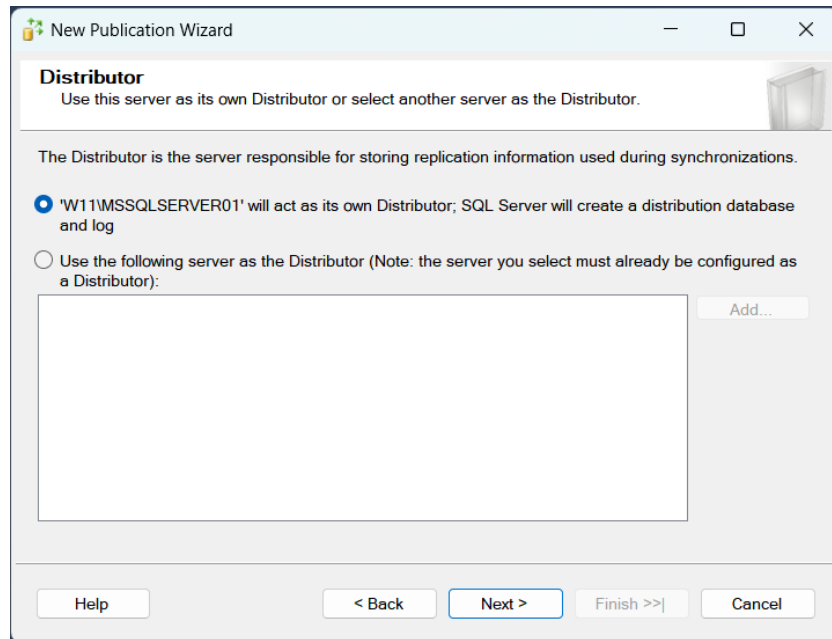
Hacemos clic derecho en publicaciones



En la nueva ventana, presionamos siguiente:

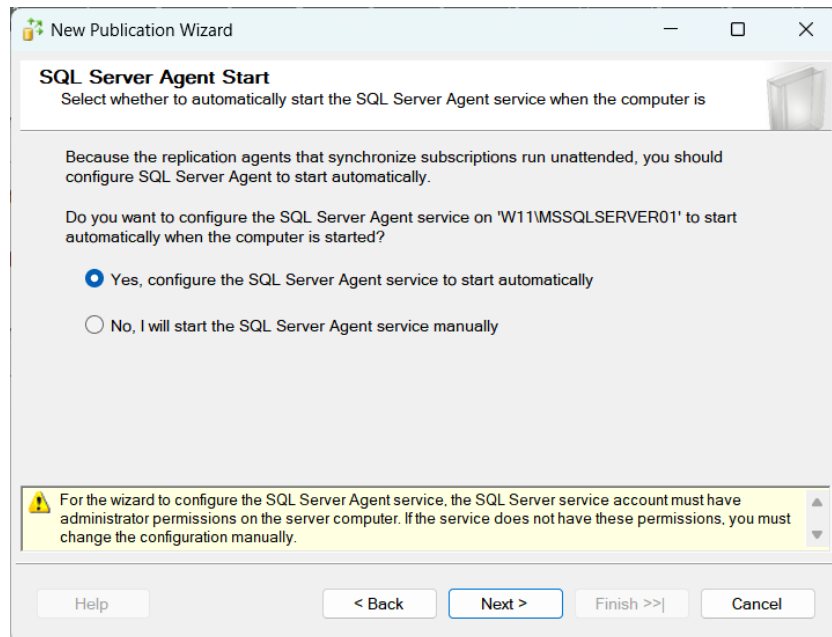


Seleccionamos el servidor:



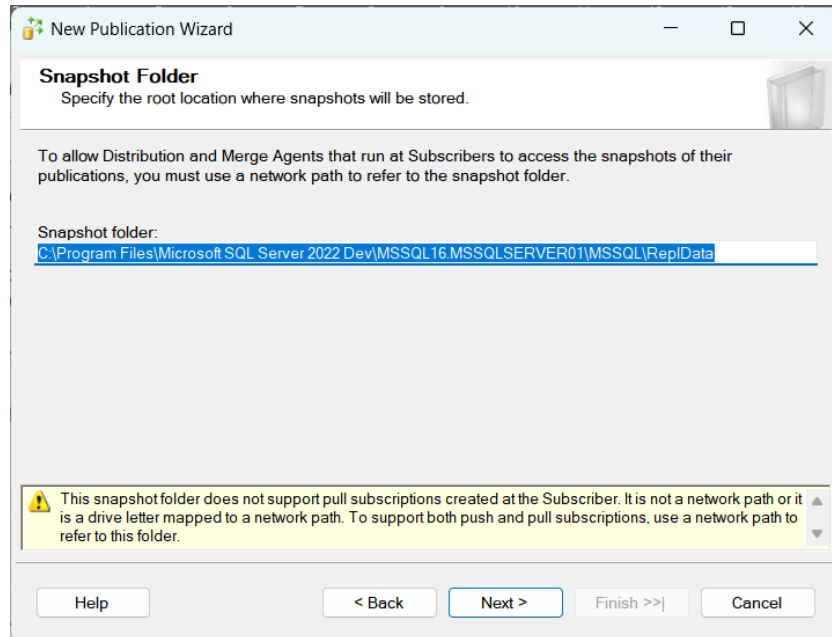
The screenshot shows the 'New Publication Wizard' window, specifically the 'Distributor' step. The title bar reads 'New Publication Wizard'. The main heading is 'Distributor' with a sub-instruction: 'Use this server as its own Distributor or select another server as the Distributor.' Below this, a descriptive text states: 'The Distributor is the server responsible for storing replication information used during synchronizations.' There are two radio button options: the first is selected and reads ''W11\MSSQLSERVER01' will act as its own Distributor; SQL Server will create a distribution database and log'; the second is unselected and reads 'Use the following server as the Distributor (Note: the server you select must already be configured as a Distributor):'. Below the second option is an empty list box and an 'Add...' button. At the bottom, there are five buttons: 'Help', '< Back', 'Next >', 'Finish >>', and 'Cancel'.

Aceptamos crear el agente:

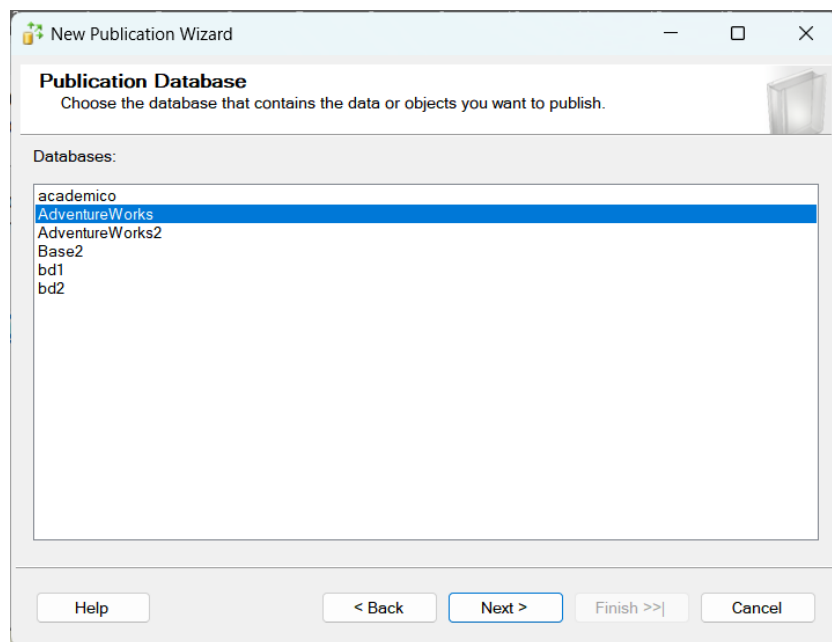


The screenshot shows the 'New Publication Wizard' window, specifically the 'SQL Server Agent Start' step. The title bar reads 'New Publication Wizard'. The main heading is 'SQL Server Agent Start' with a sub-instruction: 'Select whether to automatically start the SQL Server Agent service when the computer is'. Below this, a descriptive text states: 'Because the replication agents that synchronize subscriptions run unattended, you should configure SQL Server Agent to start automatically.' The next question is: 'Do you want to configure the SQL Server Agent service on 'W11\MSSQLSERVER01' to start automatically when the computer is started?'. There are two radio button options: the first is selected and reads 'Yes, configure the SQL Server Agent service to start automatically'; the second is unselected and reads 'No, I will start the SQL Server Agent service manually'. At the bottom, there is a yellow warning box with a triangle icon and the text: 'For the wizard to configure the SQL Server Agent service, the SQL Server service account must have administrator permissions on the server computer. If the service does not have these permissions, you must change the configuration manually.' Below the warning box are five buttons: 'Help', '< Back', 'Next >', 'Finish >>', and 'Cancel'.

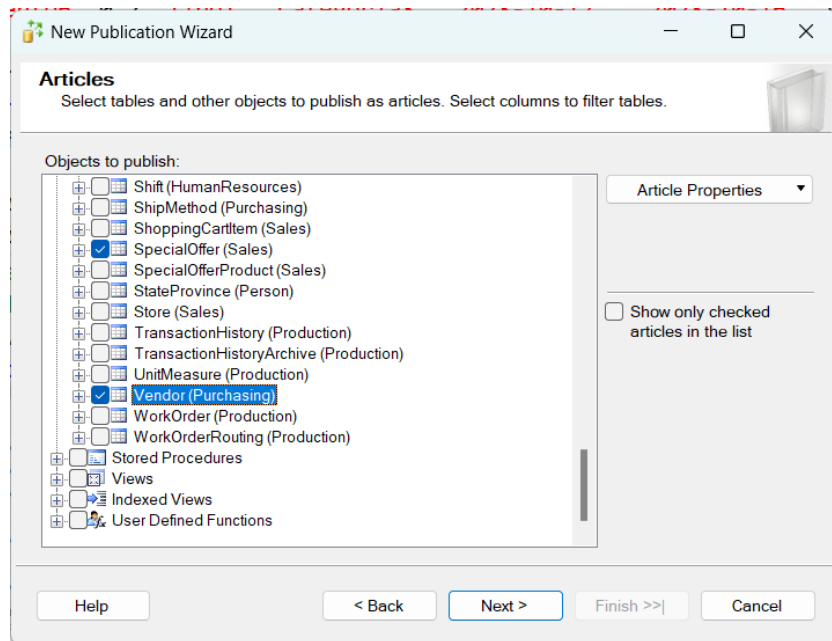
Se crea la carpeta de capturas, esta ubicación puede ser cambiada en caso de tener errores en el publicador, ya que en ocasiones no se tiene permiso para hacer modificaciones en esta carpeta:



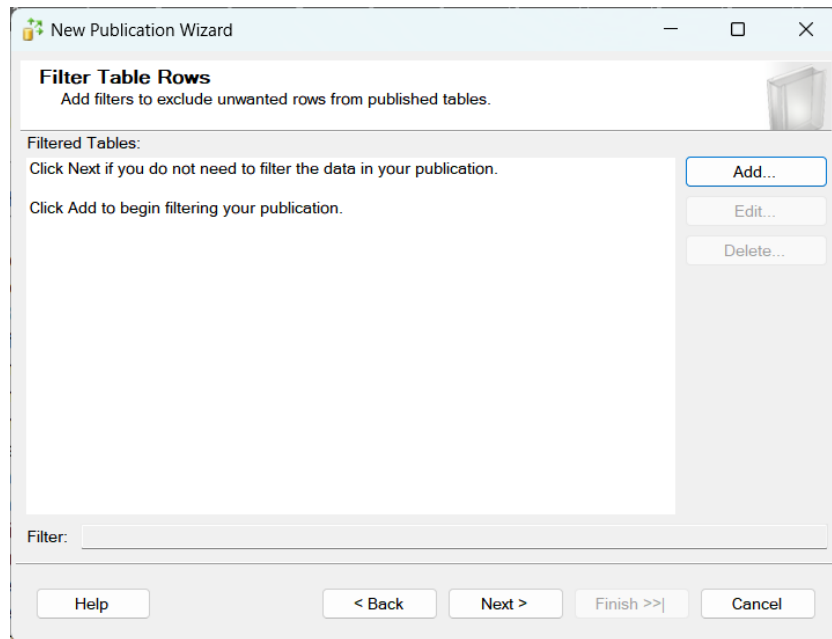
Seleccionamos a la base de datos publicador **AdventureWorks**:



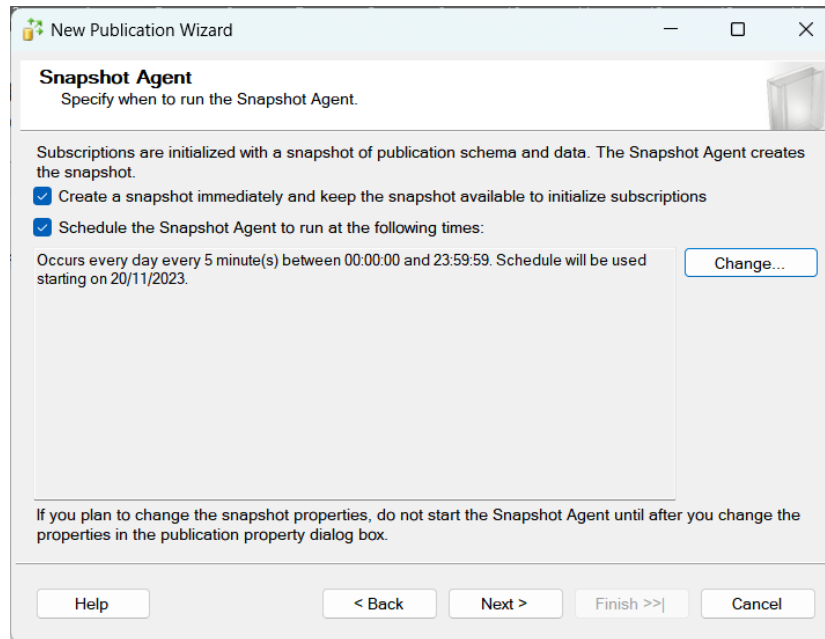
Seleccionamos las tablas que serán replicadas, en este caso Sales.SpecialOffer y Purchasing.Vendor:



En la próxima ventana presionamos siguiente:



En la siguiente ventana seleccionamos las siguientes opciones:



New Publication Wizard

Snapshot Agent
Specify when to run the Snapshot Agent.

Subscriptions are initialized with a snapshot of publication schema and data. The Snapshot Agent creates the snapshot.

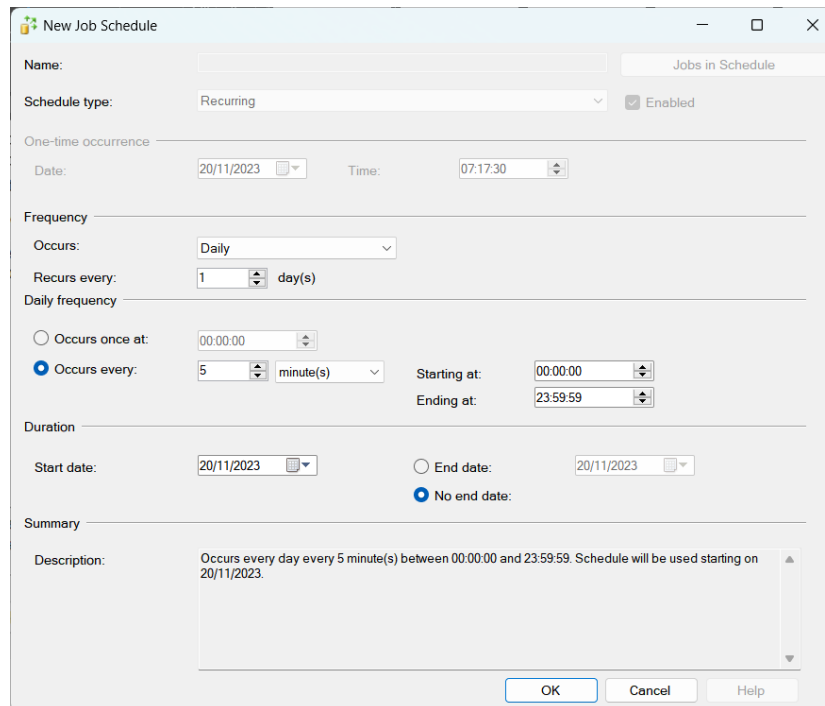
- ☒ Create a snapshot immediately and keep the snapshot available to initialize subscriptions
- ☒ Schedule the Snapshot Agent to run at the following times:

Occurs every day every 5 minute(s) between 00:00:00 and 23:59:59. Schedule will be used starting on 20/11/2023. [Change...](#)

If you plan to change the snapshot properties, do not start the Snapshot Agent until after you change the properties in the publication property dialog box.

[Help](#) [< Back](#) [Next >](#) [Finish >>](#) [Cancel](#)

Hacemos clic en Change...



New Job Schedule

Name: [Jobs in Schedule](#)

Schedule type: **Recurring** ☒ Enabled

One-time occurrence

Date: 20/11/2023 Time: 07:17:30

Frequency

Occurs: **Daily**

Recur every: 1 day(s)

Daily frequency

☐ Occurs once at: 00:00:00

☒ Occurs every: 5 minute(s) Starting at: 00:00:00 Ending at: 23:59:59

Duration

Start date: 20/11/2023 ☐ End date: 20/11/2023 ☒ No end date:

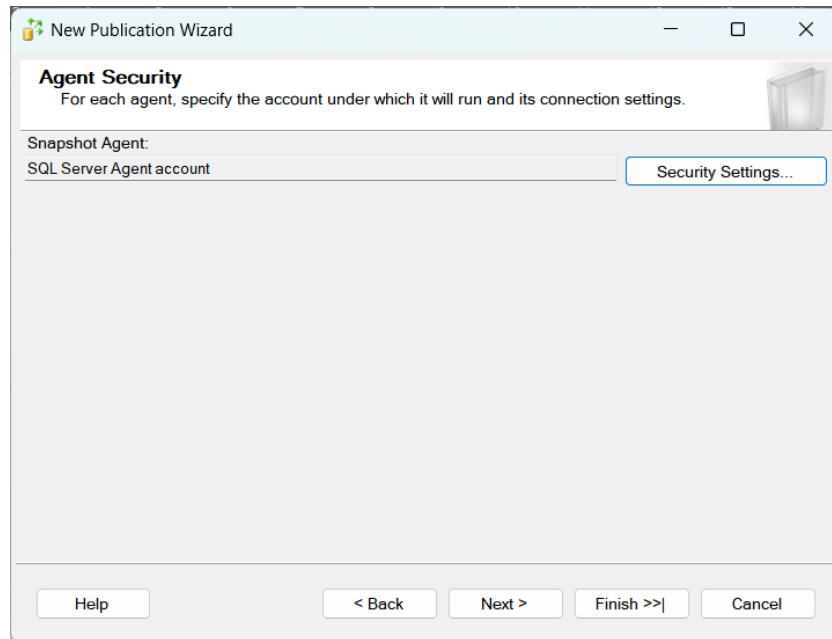
Summary

Description: Occurs every day every 5 minute(s) between 00:00:00 and 23:59:59. Schedule will be used starting on 20/11/2023.

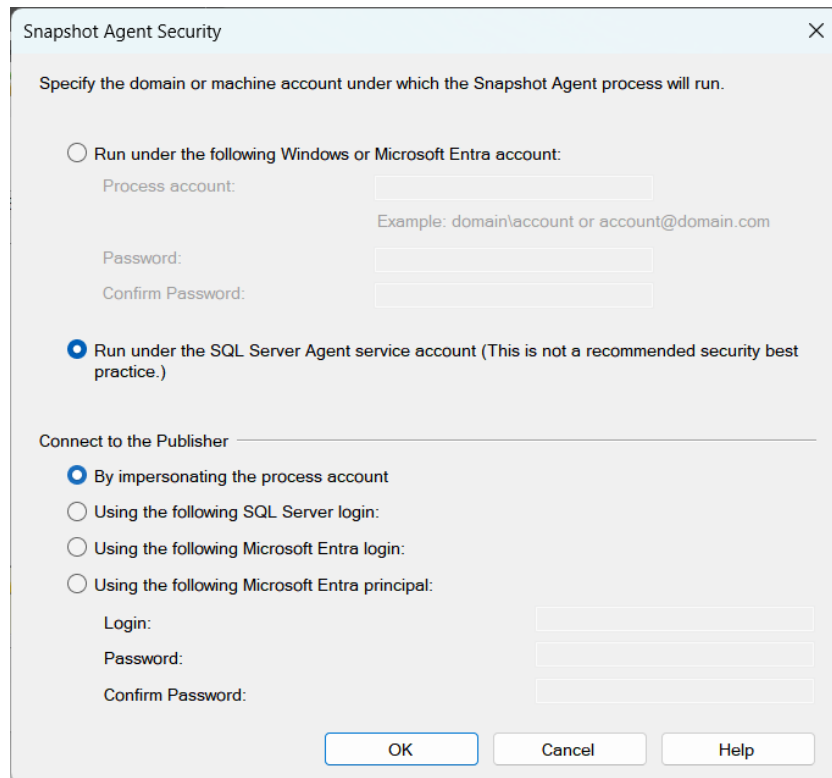
[OK](#) [Cancel](#) [Help](#)

Y seleccionamos la frecuencia: que será diaria y cada 5 minutos.

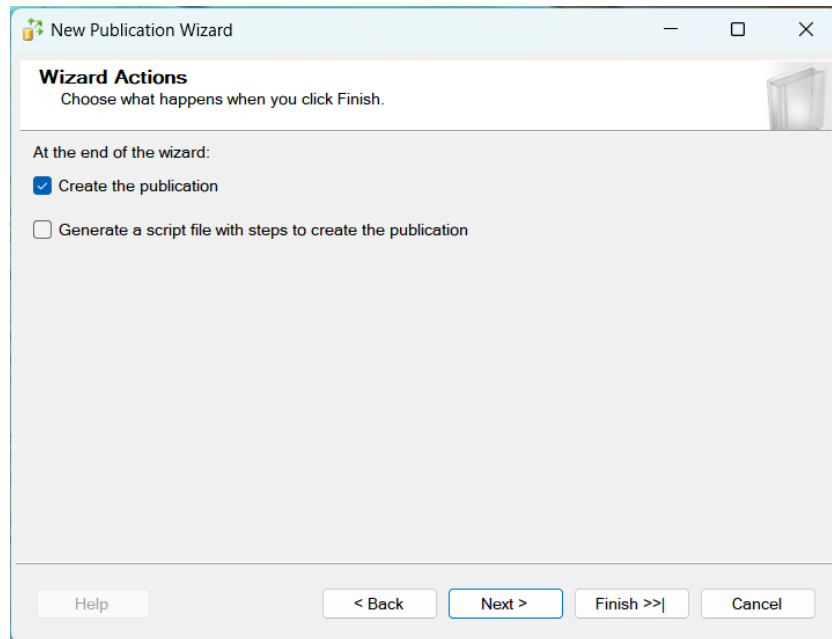
En la siguiente ventana hacemos clic en Security Settings:



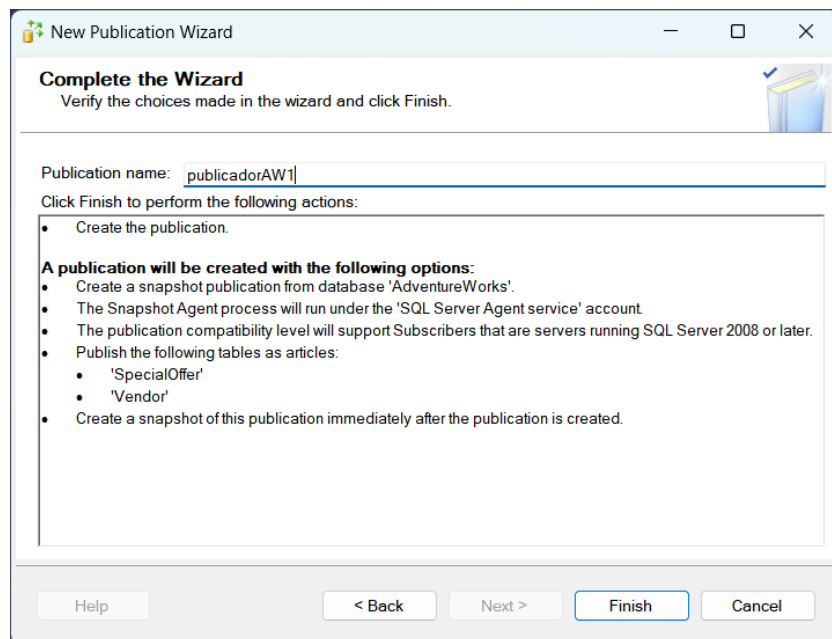
Seleccionamos iniciar con el Agente de SQL:



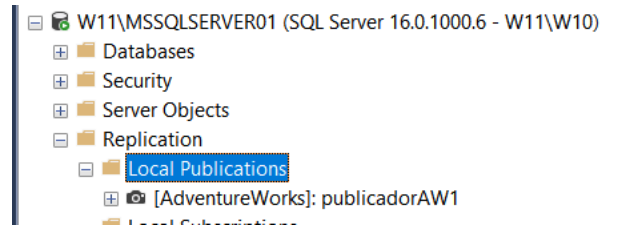
Aceptamos y presionamos siguiente:



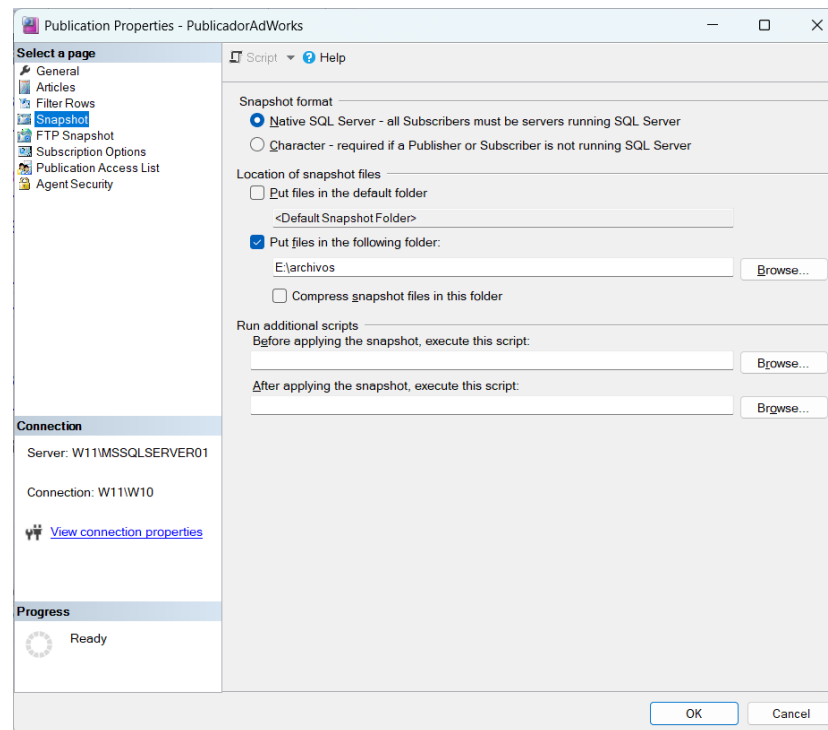
Asignamos el nombre a la publicación y presionamos Finish:



En la carpeta de Local Publications: se puede observar que la publicación fue creada:



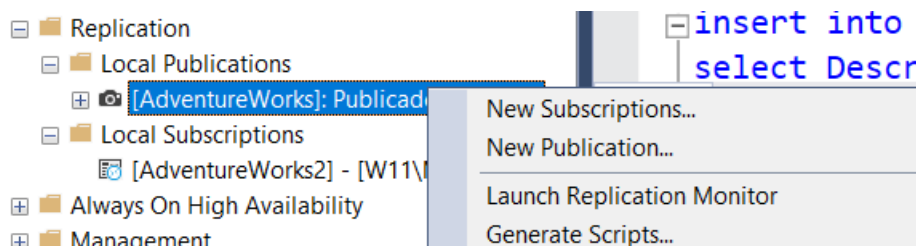
Hacemos clic derecho en la publicación y presionamos Properties:



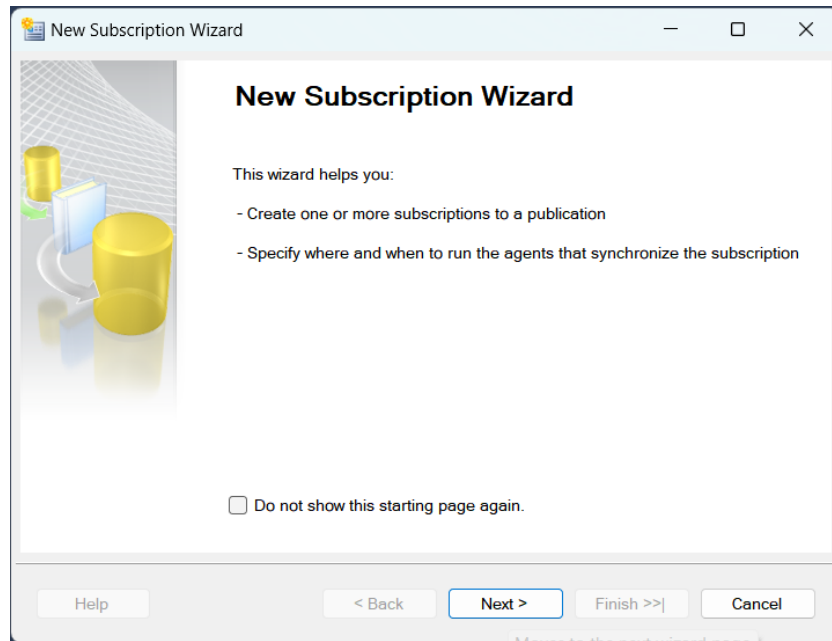
En esta ventana seleccionamos la pestaña Snapshots, y deseleccionamos la carpeta por defecto, luego seleccionamos una nueva ruta, en este caso E:\archivos. Luego de realizar los cambios presionamos aceptar.

Creación de la Suscripción

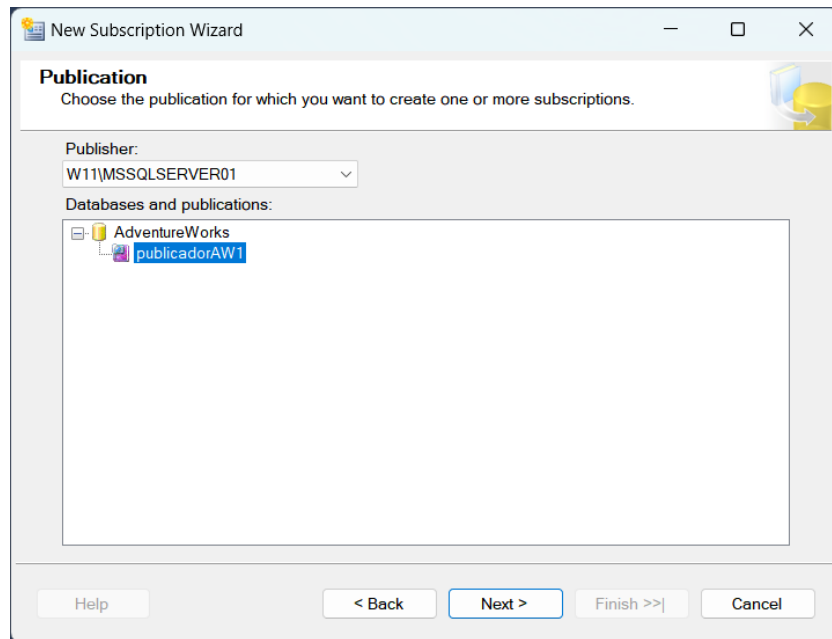
Hacemos clic derecho en la publicación creada y seleccionamos nueva suscripción:



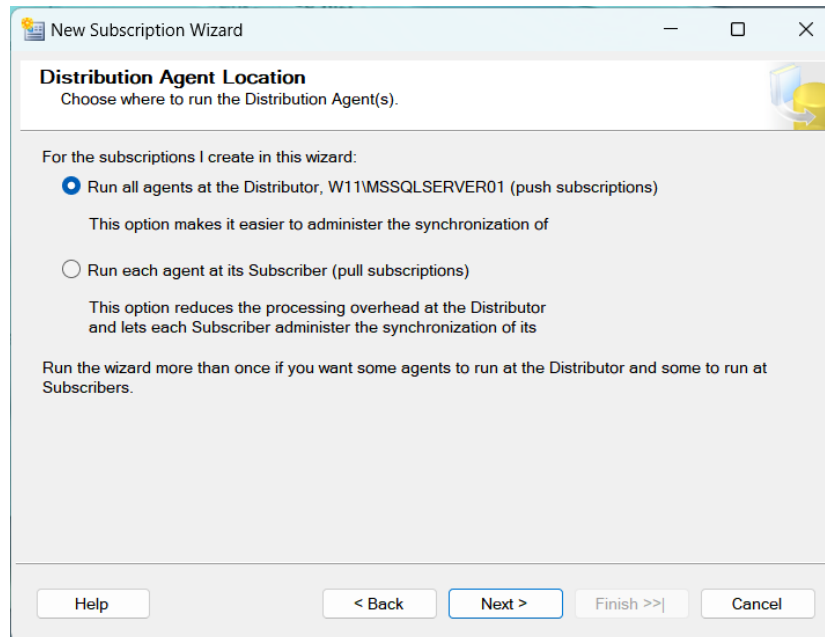
En la nueva ventana presionamos siguiente:



Seleccionamos el publicador:



Seleccionar y presionar siguiente:



The screenshot shows the 'New Subscription Wizard' window at the 'Distribution Agent Location' step. The title bar reads 'New Subscription Wizard'. The main heading is 'Distribution Agent Location' with the instruction 'Choose where to run the Distribution Agent(s)'. Below this, it says 'For the subscriptions I create in this wizard:'. There are two radio button options: 'Run all agents at the Distributor, W11\MSSQLSERVER01 (push subscriptions)' (which is selected) and 'Run each agent at its Subscriber (pull subscriptions)'. Each option has a descriptive paragraph. At the bottom, there are buttons for 'Help', '< Back', 'Next >', 'Finish >>', and 'Cancel'.

Distribution Agent Location
Choose where to run the Distribution Agent(s).

For the subscriptions I create in this wizard:

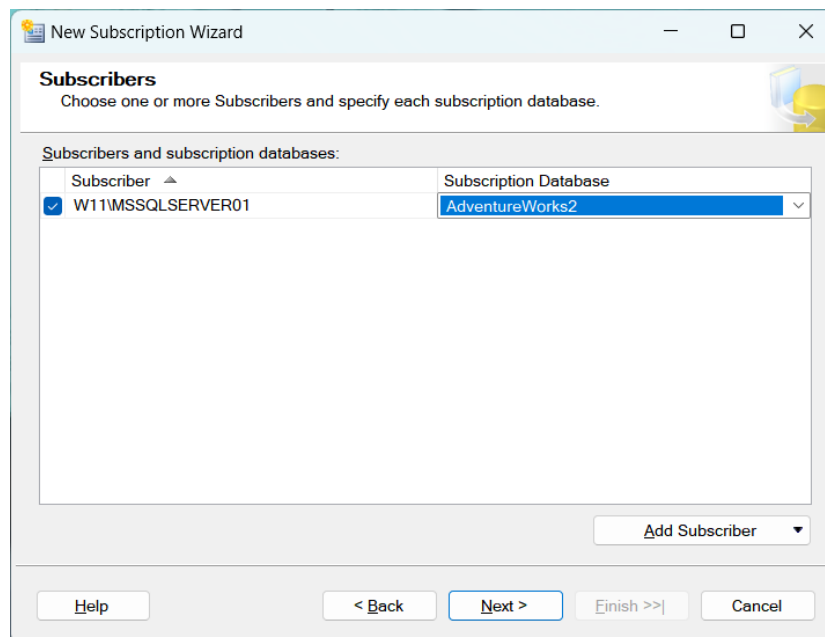
☒ Run all agents at the Distributor, W11\MSSQLSERVER01 (push subscriptions)
This option makes it easier to administer the synchronization of

☐ Run each agent at its Subscriber (pull subscriptions)
This option reduces the processing overhead at the Distributor and lets each Subscriber administer the synchronization of its

Run the wizard more than once if you want some agents to run at the Distributor and some to run at Subscribers.

Help < Back Next > Finish >> Cancel

Seleccionar el suscriptor en el menu desplegable de la izquierda, en este caso **AdventureWorks2**:



The screenshot shows the 'New Subscription Wizard' window at the 'Subscribers' step. The title bar reads 'New Subscription Wizard'. The main heading is 'Subscribers' with the instruction 'Choose one or more Subscribers and specify each subscription database.' Below this, it says 'Subscribers and subscription databases:'. There is a table with two columns: 'Subscriber' and 'Subscription Database'. The 'Subscriber' column has a dropdown arrow and a checked checkbox next to 'W11\MSSQLSERVER01'. The 'Subscription Database' column has a dropdown menu with 'AdventureWorks2' selected. At the bottom right, there is an 'Add Subscriber' button with a dropdown arrow. At the bottom, there are buttons for 'Help', '< Back', 'Next >', 'Finish >>', and 'Cancel'.

Subscribers
Choose one or more Subscribers and specify each subscription database.

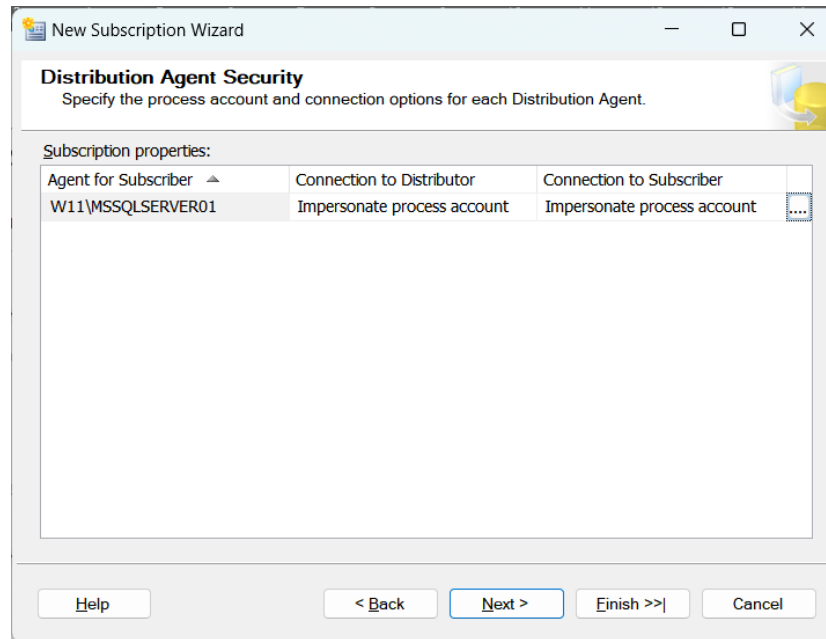
Subscribers and subscription databases:

Subscriber	Subscription Database
<input checked="" type="checkbox"/> W11\MSSQLSERVER01	AdventureWorks2

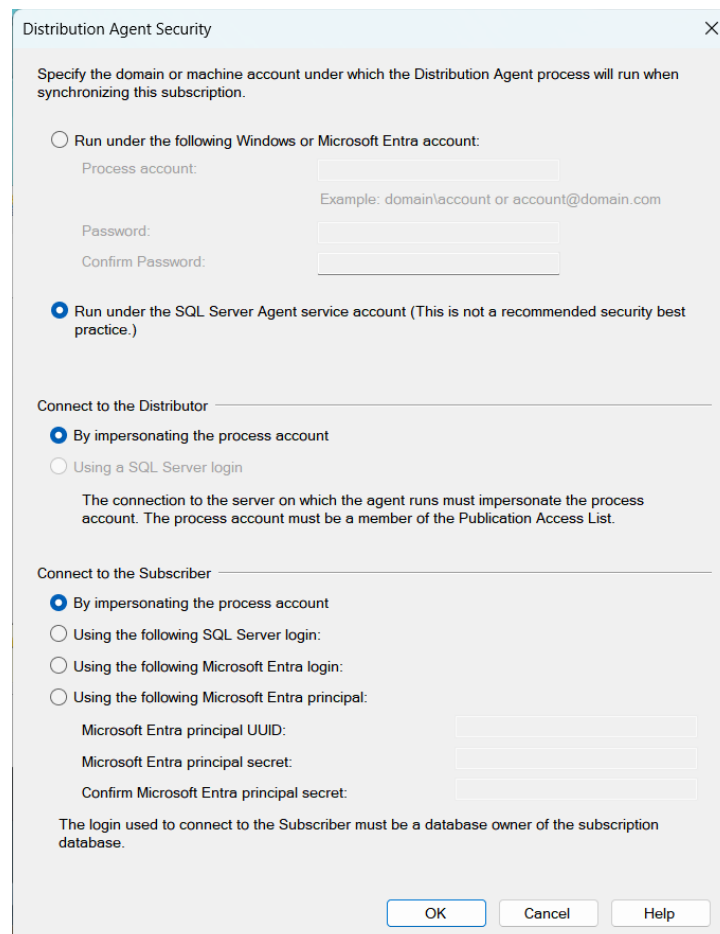
Add Subscriber

Help < Back Next > Finish >> Cancel

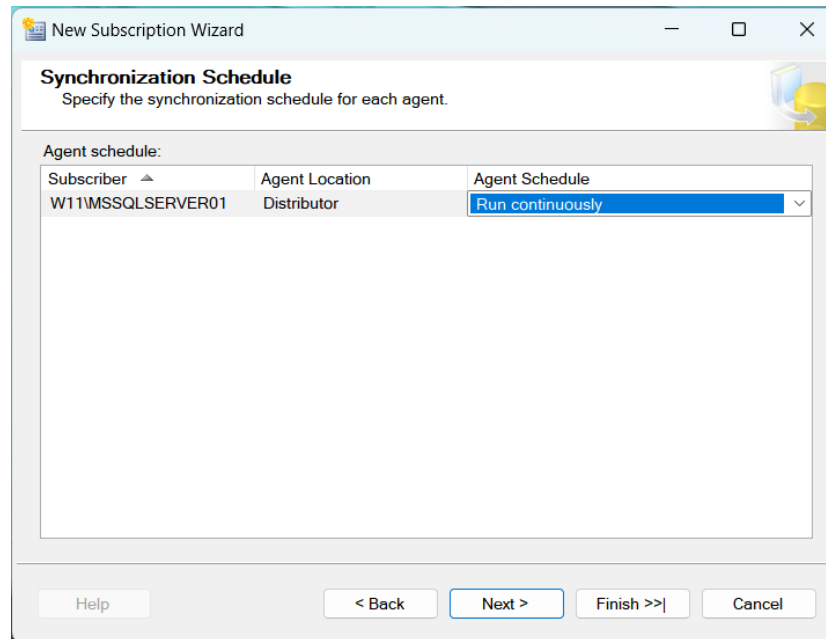
En la siguiente ventana hacer clic en los 3 puntos



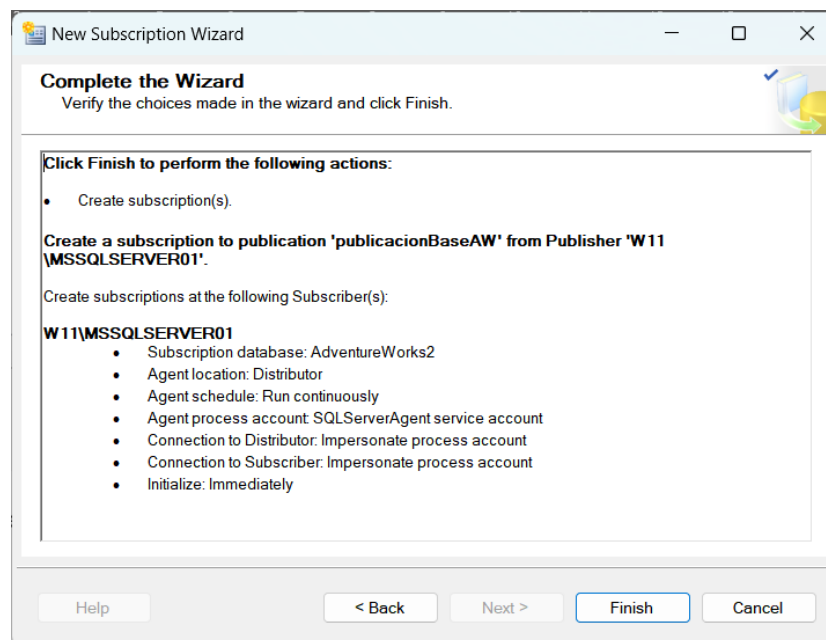
Seleccionar Ejecutar con el agente SQL:



En la siguiente ventana seleccionar Ejecutar Continuamente:



En las siguientes ventanas no realizar ningún cambio, presionar siguiente hasta llegar a la siguiente ventana:



La siguiente ventana indica que el suscriptor se creó exitosamente:

