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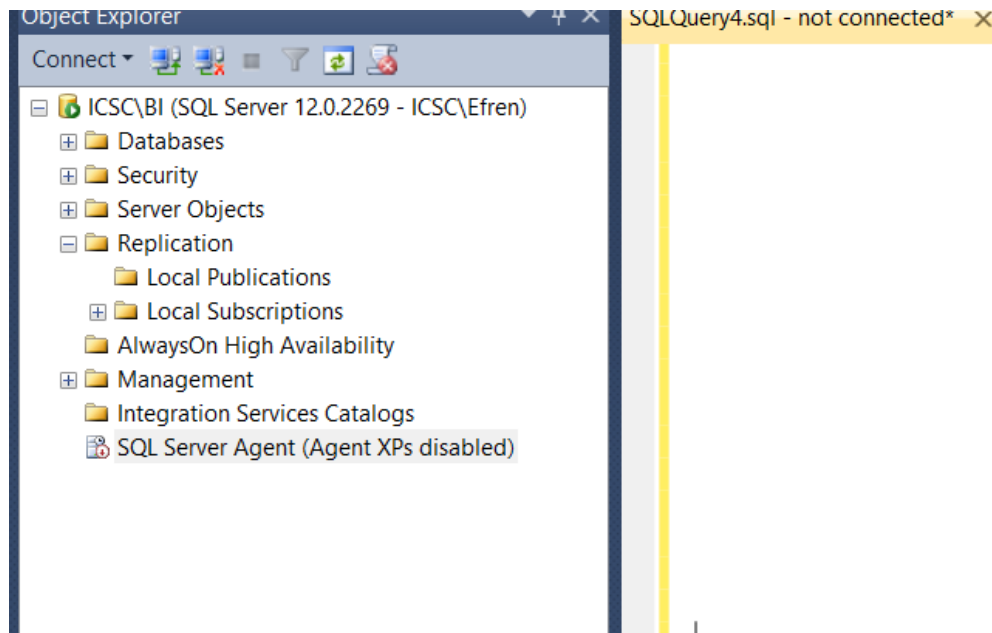
Replicación

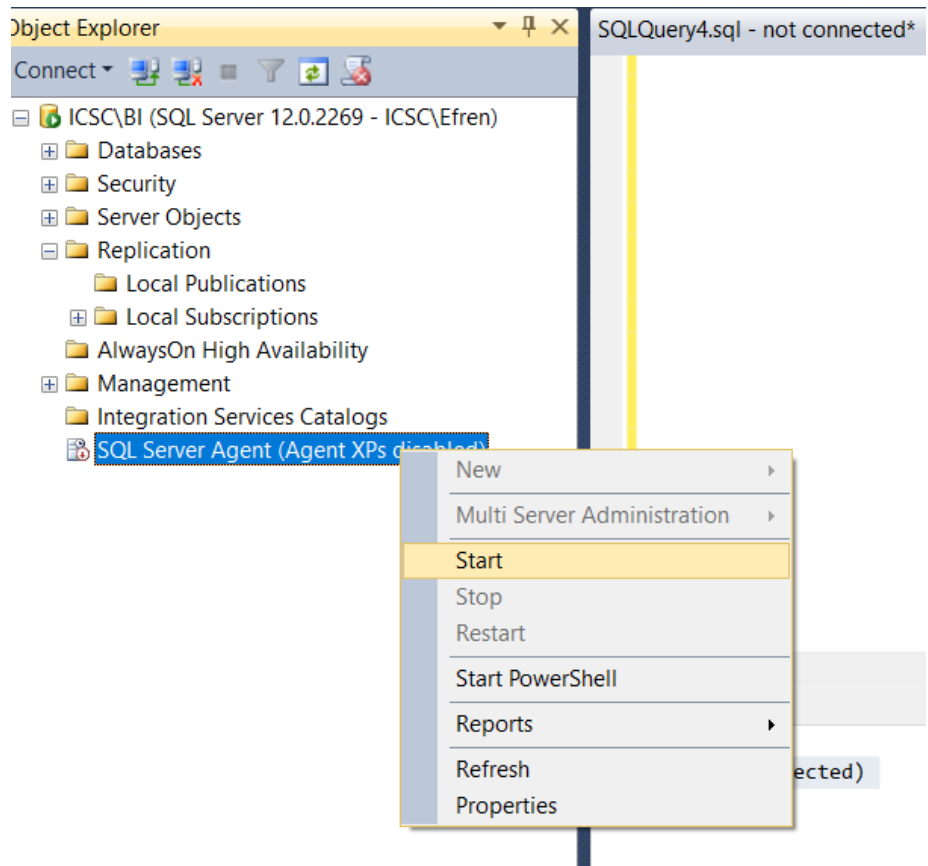
La replicación es un conjunto de tecnologías destinadas a la copia y distribución de datos y objetos de base de datos desde una base de datos a otra, para luego sincronizar ambas bases de datos y mantener su coherencia.

La replicación transaccional se usa normalmente en escenarios servidor a servidor que requieren un alto rendimiento, como, por ejemplo, la mejora de la escalabilidad y la disponibilidad, el almacenamiento de datos y la creación de informes, la integración de datos procedentes de varios sitios, la integración de datos heterogéneos, y la descarga del procesamiento por lotes. La replicación de mezcla se ha diseñado principalmente para las aplicaciones móviles o de servidores distribuidos que pueden encontrarse con conflictos de datos. Los escenarios más frecuentes son: el intercambio de datos con usuarios móviles, las aplicaciones de punto de venta (POS) a consumidores, y la integración de datos de varios sitios. La replicación de instantáneas se usa para proporcionar el conjunto de datos inicial para la replicación transaccional y de mezcla; también se puede usar cuando está indicada una actualización completa de los datos.

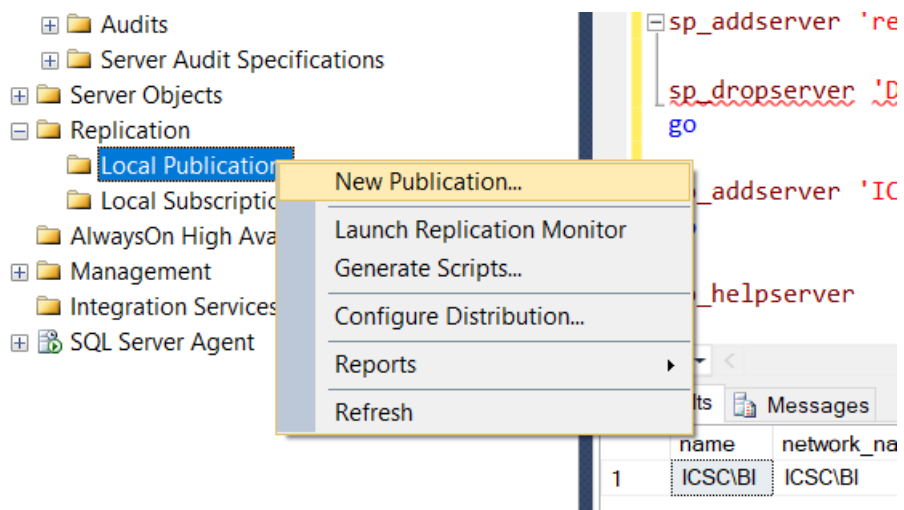
Implementación Replicación

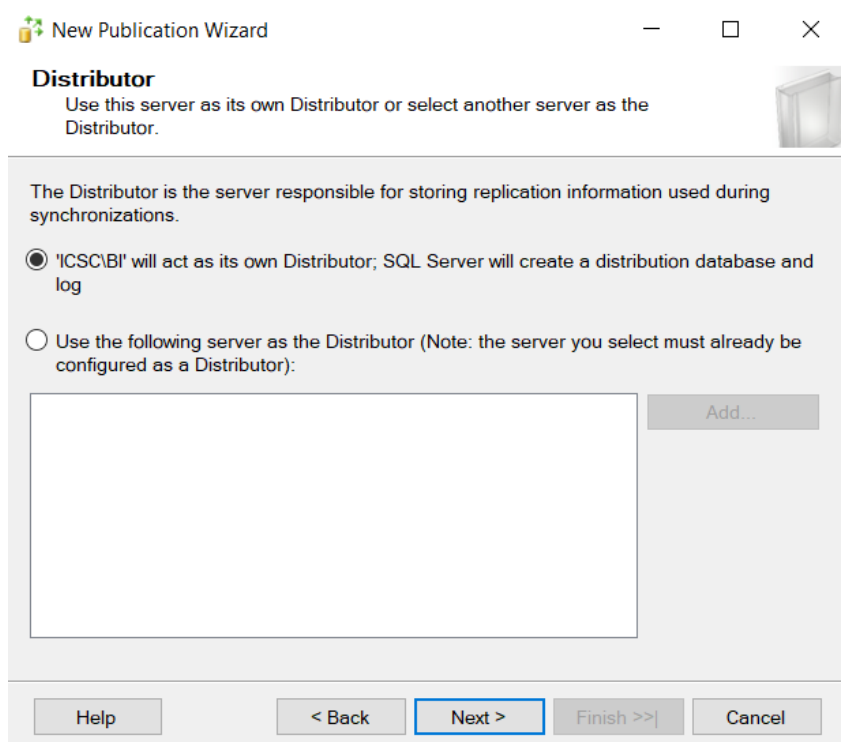
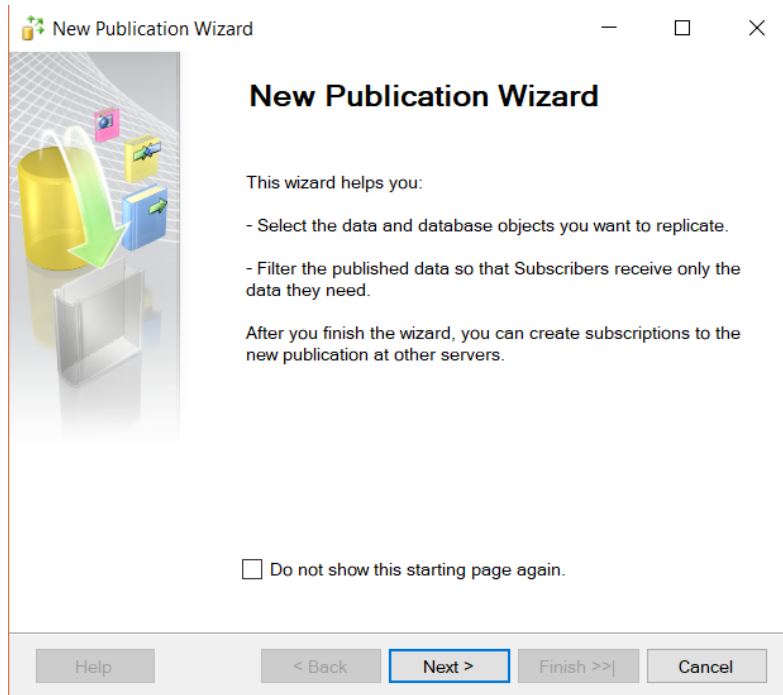
1. Se realizará la activación del Agente de SQL





2. Se realizará una nueva publicación





New Publication Wizard

SQL Server Agent Start


Select whether to automatically start the SQL Server Agent service when the computer is started.

Because the replication agents that synchronize subscriptions run unattended, you should configure SQL Server Agent to start automatically.

Do you want to configure the SQL Server Agent service on 'ICSC\BI' to start automatically when the computer is started?

☒ Yes, configure the SQL Server Agent service to start automatically

☐ No, I will start the SQL Server Agent service manually

 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.

Help < Back Next > Finish >>| Cancel

New Publication Wizard


Snapshot Folder

Specify the root location where snapshots will be stored.

To allow Distribution and Merge Agents that run at Subscribers to access the snapshots of their publications, you must use a network path to refer to the snapshot folder.

Snapshot folder:

C:\Program Files\Microsoft SQL Server\MSSQL12.BI\MSSQL\ReplData

 This snapshot folder does not support pull subscriptions created at the Subscriber. It is not a network path or it is a drive letter mapped to a network path. To support both push and pull subscriptions, use a network path to refer to this folder.

Help < Back Next > Finish >>| Cancel

Publication Database

Choose the database that contains the data or objects you want to publish.



Databases:

AdventureWorks2008R21
BI
BI_DW
BI_SA
clase11
clase15
clase6
clase8
clase9
ejemplo
empresa
examen
hotel
lab4
NORTHWND



Help

< Back

Next >

Finish >>|





Cancel

Publication Type

Choose the publication type that best supports the requirements of your application.



Publication type:

-  Snapshot publication
-  Transactional publication
-  Peer-to-Peer publication
-  Merge publication

Publication type descriptions:

Transactional publication:

The Publisher streams transactions to the Subscribers after they receive an initial snapshot of the published data.

Peer-to-Peer publication:

Peer-Peer publication enables multi-master replication. The publisher streams transactions to all the peers in the topology. All peer nodes can read and write changes and the changes are propagated to all the nodes in the topology.

Merge publication:

The Publisher and Subscribers can update the published data independently after the Subscribers receive an initial snapshot of the published data. Changes are merged

Help

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Next >

Finish >>|

Cancel

Articles

Select tables and other objects to publish as articles. Select columns to filter tables.



Objects to publish:

- ☒ Tables
 - ☒ Categories (dbo)
 - ☐ CustomerCustomerDemo (dbo)
 - ☐ CustomerDemographics (dbo)
 - ☐ Customers (dbo)
 - ☐ Employees (dbo)
 - ☐ EmployeeTerritories (dbo)
 - ☐ Order Details (dbo)
 - ☐ Orders (dbo)
 - ☐ Products (dbo)
 - ☐ Region (dbo)
 - ☐ Shippers (dbo)
 - ☐ Suppliers (dbo)
 - ☐ sysdiagrams (dbo)
 - ☐ Territories (dbo)
- ☐ Stored Procedures
- ☐ Views
- ☐ User Defined Functions

Article Properties ▼

☐ Show only checked articles in the list

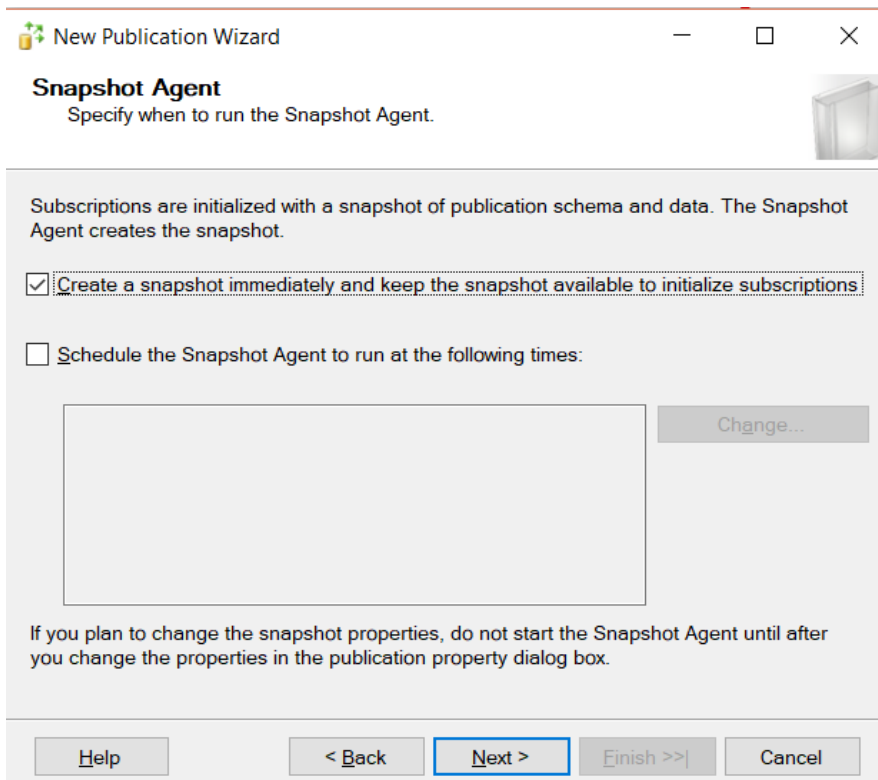
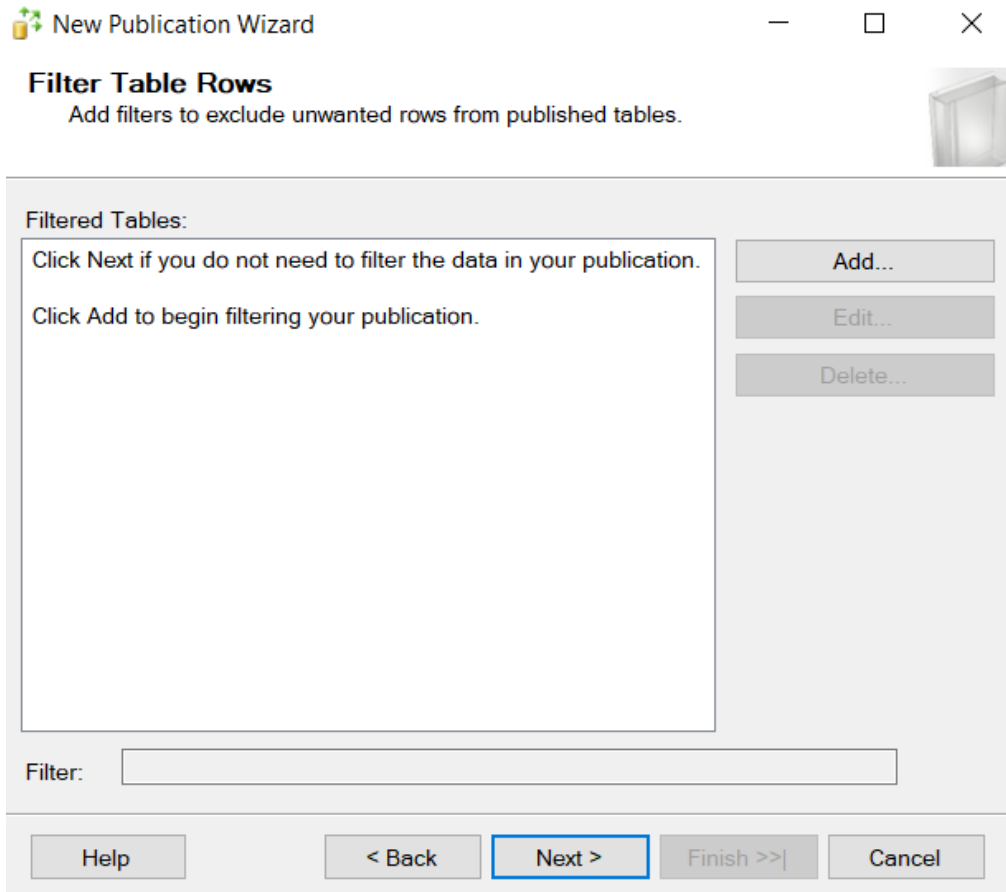
Help

< Back

Next >

Finish >>|

Cancel



New Publication Wizard

Agent Security

For each agent, specify the account under which it will run and its connection settings.


Snapshot Agent:

Log Reader Agent:

☒ Use the security settings from the Snapshot Agent

Security Settings...

Security Settings...

 You must specify a login for each replication agent before continuing the wizard.

Help < Back Next > Finish >> Cancel

Snapshot Agent Security

Specify the domain or machine account under which the Snapshot Agent process will run.

☐ Run under the following Windows account:

Process account: Example: domain\account

Password:

Confirm Password:

☒ Run under the SQL Server Agent service account (This is not a recommended security best practice.)

Connect to the Publisher

☒ By impersonating the process account

☐ Using the following SQL Server login:

Login:

Password:

Confirm Password:

OK Cancel Help

New Publication Wizard

Agent Security

For each agent, specify the account under which it will run and its connection settings.

Snapshot Agent:
SQL Server Agent account

Log Reader Agent:
SQL Server Agent account

☒ Use the security settings from the Snapshot Agent

Security Settings...

Help < Back Next > Finish >>| Cancel

New Publication Wizard

Wizard Actions

Choose what happens when you click Finish.

At the end of the wizard:

☒ Create the publication

☐ Generate a script file with steps to create the publication

Help < Back Next > Finish >>| Cancel

New Publication Wizard

Complete the Wizard

Verify the choices made in the wizard and click Finish.

Publication name:

customer_publication

Click Finish to perform the following actions:

Create the publication.

The Publisher 'ICSC\BI' will be configured with the following options:

The Publisher will act as its own Distributor.

Configure the SQL Server Agent service on 'ICSC\BI' to start automatically when the computer is started.

Use 'C:\Program Files\Microsoft SQL Server\MSSQL12.BI\MSSQL\Rep\lData' as the root snapshot folder for Publishers using this Distributor.

A publication will be created with the following options:

Create a transactional publication from database 'NORTHWND'.

The Snapshot Agent process will run under the 'SQL Server Agent service' account.

The Log Reader Agent process will run under the 'SQL Server Agent service' account.

The publication compatibility level will support Subscribers that are servers running SQL Server 2008 or later.

Publish the following tables as articles:

'Categories'

Help

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Next >

Finish

Cancel

New Publication Wizard

Creating Publication

Click Stop to interrupt the operation.

Success

4 Total

0 Error

4 Success

0 Warning

Details:

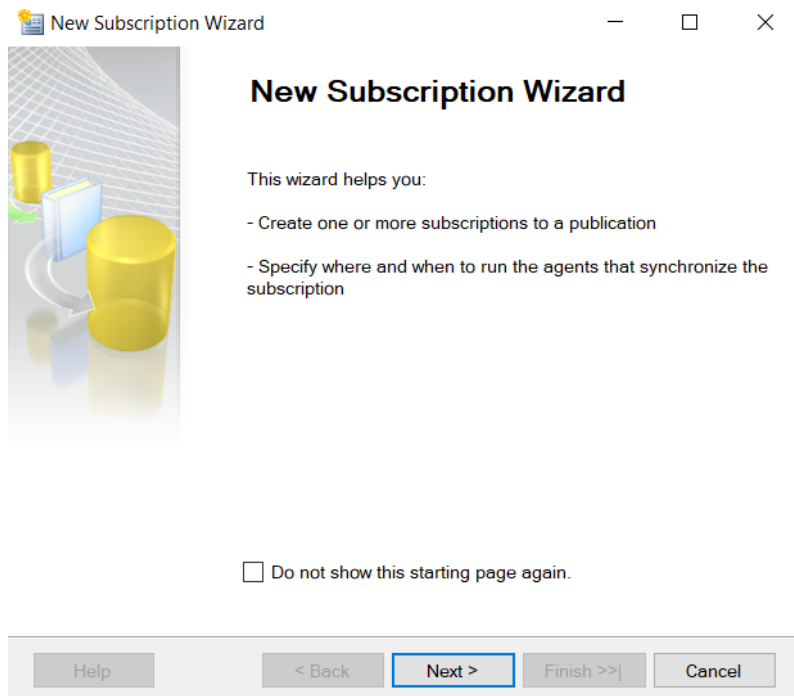
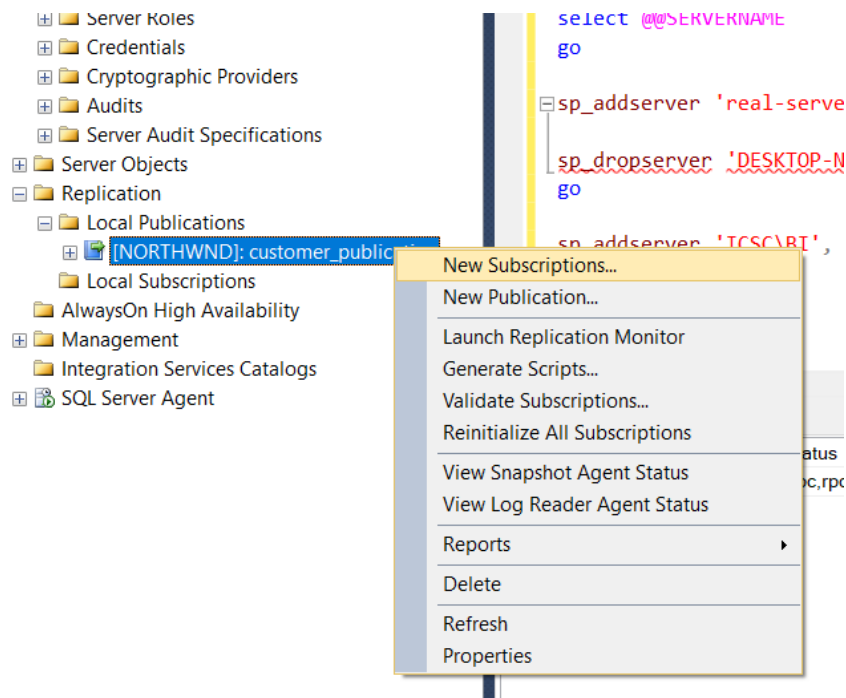
Action	Status	Message
Configuring the Distributor	Success	
Creating Publication 'customer_publicat...	Success	
Adding article 1 of 1	Success	
Starting the Snapshot Agent	Success	

Stop

Report

Close

3. Se realizará una nueva suscripción



New Subscription Wizard

Publication
Choose the publication for which you want to create one or more subscriptions.

Publisher:
ICSC\BI

Databases and publications:
NORTHWND
customer_publication

Help < Back Next > Finish >>| Cancel

New Subscription Wizard

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, ICSC\BI (push subscriptions)

This option makes it easier to administer the synchronization of subscriptions centrally.

☐ 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 subscription.

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

New Subscription Wizard

Subscribers

Choose one or more Subscribers and specify each subscription database.

Subscribers and subscription databases:

Subscriber	Subscription Database
<input checked="" type="checkbox"/> ICSC\BI	<div><New database...> <Refresh database list> AdventureWorks2008R21 BI BI_DW BI_SA clase11 clase15</div>

Add Subscriber

You must enter a subscription database name for Subscriber 'ICSC\BI'.

Help < Back Next > Finish >>| Cancel

New Database

Select a page: General Options Filegroups

Script Help

Database name: replica
Owner: <default>

☒ Use full-text indexing

Database files:

Logical Na...	File Ty...	Filegroup	Initial Size (...)	Autogrowth / Max
replica	ROW...	PRIMARY	5	By 1 MB, Unlimite
replica_log	LOG	Not Applic...	1	By 10 percent, U

Connection

Server: ICSC\BI
Connection: ICSC\Efren
[View connection](#)

Progress

Ready

Add Remove

OK Cancel

New Subscription Wizard

Subscribers

Choose one or more Subscribers and specify each subscription database.

Subscribers and subscription databases:

Subscriber	Subscription Database
<input checked="" type="checkbox"/> ICSC\BI	replica

Add Subscriber

Help < Back Next > Finish >>| Cancel


New Subscription Wizard

Distribution Agent Security

Specify the process account and connection options for each Distribution Agent.

Subscription properties:

Agent for Subscriber	Connection to Dist...	Connection to Sub...
ICSC\BI	Click (...) to set se...	Click (...) to set sec... ..

 You must specify the security information for all subscriptions before continuing the wizard. Click (...) to set the security options.

Help < Back Next > Finish >>| Cancel

Distribution Agent Security



Specify the domain or machine account under which the Distribution Agent process will run when synchronizing this subscription.

☐ Run under the following Windows account:

Process account:

Example: domain\account

Password:

Confirm Password:

☒ Run under the SQL Server Agent service account (This is not a recommended security best practice.)

Connect to the Distributor

☒ By impersonating the process account

☐ Using a SQL Server login

The connection to the server on which the agent runs must impersonate the process account. The process account must be a member of the Publication Access List.

Connect to the Subscriber

☒ By impersonating the process account

☐ Using the following SQL Server login:

Login:

Password:

Confirm password:

The login used to connect to the Subscriber must be a database owner of the subscription database.

OK

Cancel

Help

New Subscription Wizard



Synchronization Schedule

Specify the synchronization schedule for each agent.



Agent schedule:

Subscriber	Agent Location	Agent Schedule
ICSC\BI	Distributor	Run continuously

Help

< Back

Next >

Finish >>|

Cancel

New Subscription Wizard


Initialize Subscriptions

Specify whether to initialize each subscription with a snapshot of the publication data and schema.

Subscription properties:

Subscriber ▲	Initialize	Initialize When
ICSC\BI	<input checked="" type="checkbox"/>	Immediately

A subscription database needs to be initialized with a snapshot of the publication data and schema unless it has already been specially prepared for the subscription.

 The Snapshot Agent must run and generate a snapshot of the publication before the subscriptions can be initialized.

Help

< Back

Next >

Finish >>|

Cancel

New Subscription Wizard

Wizard Actions

Choose what happens when you click Finish.

At the end of the wizard:

☒ Create the subscription(s)

☐ Generate a script file with steps to create the subscription(s)

Help

< Back

Next >

Finish >>|

Cancel

New Subscription Wizard

Complete the Wizard

Verify the choices made in the wizard and click Finish.

Click Finish to perform the following actions:

Create subscription(s).

Create a subscription to publication 'customer_publication' from Publisher 'ICSC\BI'.

Create subscriptions at the following Subscriber(s):

ICSC\BI

- Subscription database: replica
- Agent location: Distributor
- Agent schedule: Run continuously
- Agent process account: SQLServerAgent service account
- Connection to Distributor: Impersonate process account
- Connection to Subscriber: Impersonate process account
- Initialize: Immediately

Help

< Back

Next >

Finish

Cancel

New Subscription Wizard

Creating Subscription(s)...

Click Stop to interrupt the operation.

Success

2 Total

0 Error

2 Success

0 Warning

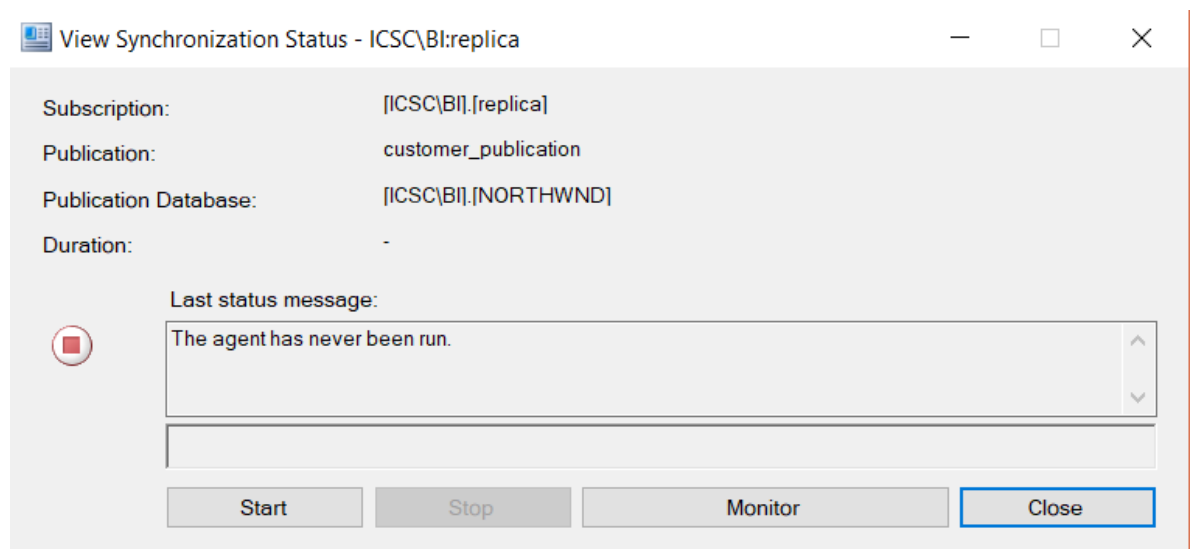
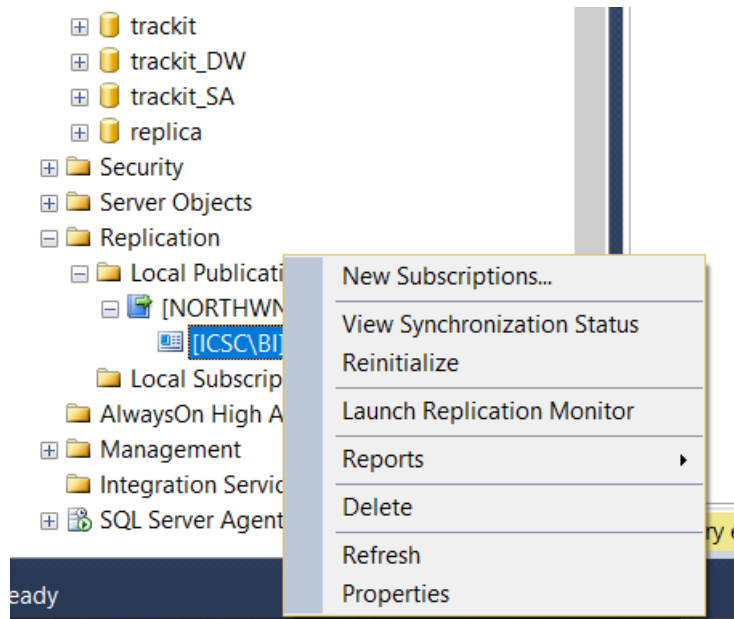
Details:

Action	Status	Message
Creating subscription for 'ICSC\BI'	Success	
Starting the Snapshot Agent	Success	

Stop

Report

Close



View Synchronization Status - ICSC\BI:replica

Subscription:

[ICSC\BI].[replica]

Publication:

customer_publication

Publication Database:

[ICSC\BI].[NORTHWND]

Start Time:

2/4/2019 12:53:48 a. m.

Status:

The initial snapshot for article 'Categories' is not yet available.

Synchronization in progress...

Start

Stop

Monitor

Close

Log Shipping

Esencialmente Log Shipping se refiere al proceso de respaldar automáticamente la base de datos y el log de transacciones, restaurándolos en un servidor de respaldo. Esto mantiene a los dos equipos en sincronía en caso de que el servidor de producción tenga alguna falla. Para poder continuar la operación, lo que se tendría que hacer es apuntar a todos los usuarios al nuevo equipo.

Beneficios de usar Log Shipping:

- No requiere de gastos de hardware o software
- Es muy sencilla su implementación
- Es muy sencillo su mantenimiento
- El cambio de un equipo al otro es sencillo

Problemas al usar Log Shipping:

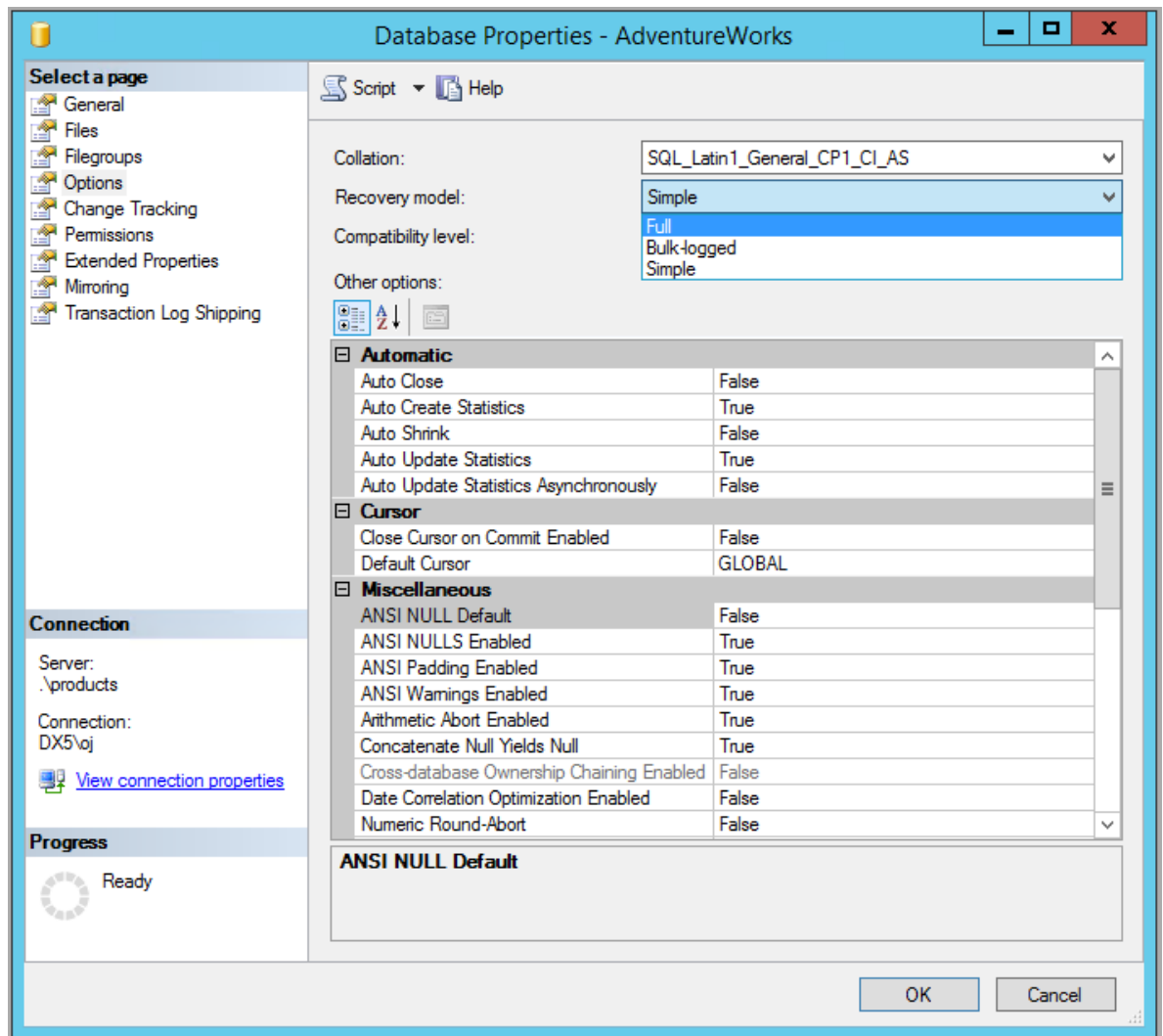
- El cambio de un servidor a otro no es de manera automática
- Existe pérdida de datos, dependiendo de la frecuencia en que se ejecute el log shipping.
- La base de datos del servidor de respaldo no puede estar en uso mientras se tenga habilitado el log shipping
- Cuando ocurra una falla en el equipo primario, se tienen que realizar una de las siguientes opciones: Renombrar el servidor de respaldo y cambiar su dirección IP con las de producción o apuntar todos los aplicativos al servidor de respaldo.

Implementación Log Shipping

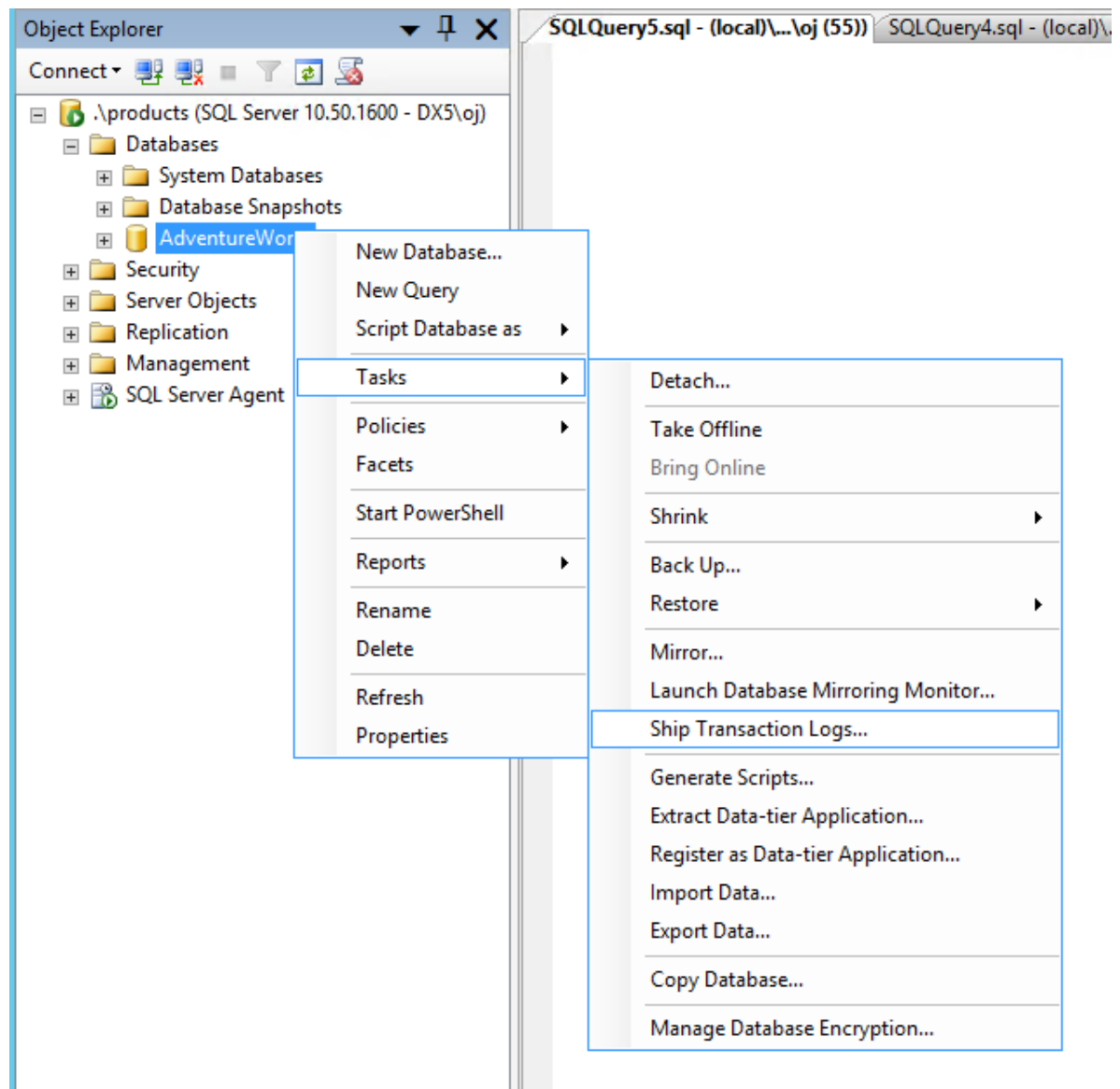
4. Vamos a conectarnos a él server primario.



5. Luego aseguraremos que la base de datos está en el modelo de recuperación Full o Bulk-logged.



- Colocaremos como habilitado la opción de Log Shipping.



7. En este paso definiremos la configuración de copia de seguridad (es decir, la carpeta de copia de seguridad, política de eliminación, de alerta, y nombre de trabajo). Es importante utilizar un recurso compartido en red, que se puede escribir desde el servidor primario y legible desde el servidor secundario.

Database Properties - AdventureWorks

Select a page

General

Files

Filegroups

Options

Change Tracking

Permissions

Extended Properties

Mirroring

Transaction Log Shipping

Connection

Server:
.\products

Connection:
DX5\oj

View connection properties

Progress

Ready

Script

Help

☒ Enable this as a primary database in a log shipping configuration

Transaction log backups

Backup Settings...

Backup schedule:
Occurs every day every 15 minute(s) between 12:00:00 AM and 11:59:00 PM. Schedule will

Last backup created:

Secondary databases

Secondary server instances and databases:

Server Instances	Database
------------------	----------

Add...

Remove...

Monitor server instance

☐ Use a monitor server instance

Monitor server instance

Settings...

This action will script the entire log shipping configuration.

Script Configuration

OK

Cancel

Transaction Log Backup Settings

Transaction log backups are performed by a SQL Server Agent job running on the primary server instance.

Network path to backup folder (example: \\fileserver\backup):

If the backup folder is located on the primary server, type a local path to the folder (example: c:\backup):

Note: you must grant read and write permission on this folder to the SQL Server service account of this primary server instance. You must also grant read permission to the proxy account for the copy job (usually the SQL Server Agent service account for the secondary server instance).

Delete files older than:

72

Hour(s)

Alert if no backup occurs within:

1

Hour(s)

Backup job

Job name:

LSBackup_AdventureWorks

Schedule...

Schedule:

Occurs every day every 15 minute(s) between 12:00:00 AM and 11:59:00 PM. Schedule will be used starting on 9/2/2014.

☐ Disable this job

Note: If you backup the transaction logs of this database with any other job or maintenance plan, Management Studio will not be able to restore the backups on the secondary server instances.

Help

OK

Cancel

8. Ahora colocaremos la programación de la copia de seguridad.

Job Schedule Properties - LSBackupSchedule_DX5\products1

Name: Jobs in Schedule

Schedule type: ☒ Enabled

One-time occurrence

Date: Time:

Frequency

Occurs:

Recur every: day(s)

Daily frequency

☐ Occurs once at:

☒ Occurs every: minute(s) Starting at: Ending at:

Duration

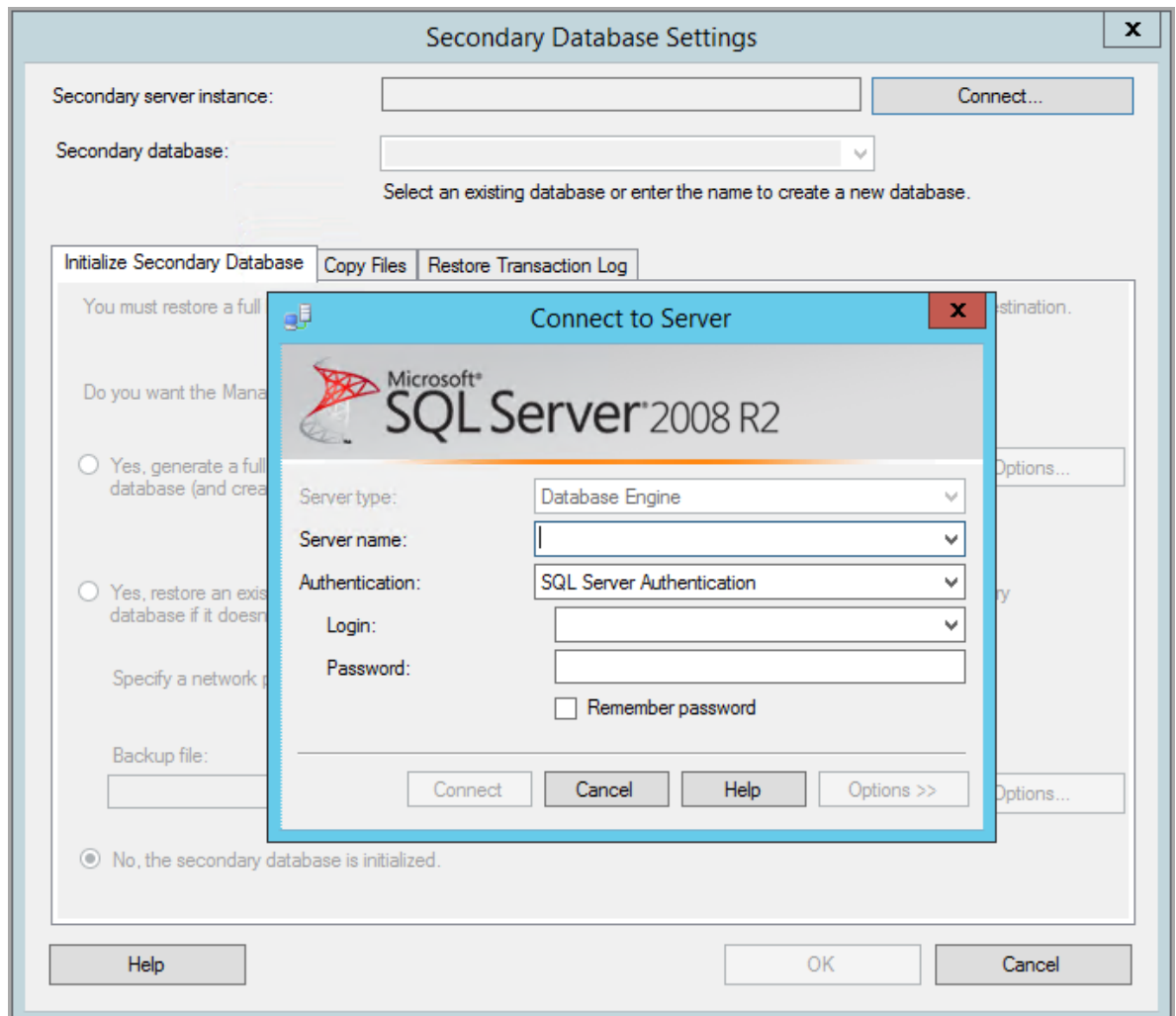
Start date: ☐ End date: ☒ No end date:

Summary

Description:

OK Cancel Help

9. Definiremos el servidor secundario. Con el fin de conectar correctamente al servidor secundario, debemos asegurar que el puerto de la instancia este escuchando y que los puertos del SQLBrowser además de abiertos también estén escuchando.



10. Inicializamos la instancia secundaria.

Secondary Database Settings [X]

Secondary server instance:

Secondary database:
Select an existing database or enter the name to create a new database.

You must restore a full backup of the primary database into secondary database before it can be a log shipping destination.

Do you want the Management Studio to restore a backup into the secondary database?

☒ Yes, generate a full backup of the primary database and restore it into the secondary database (and create the secondary database if it doesn't exist)

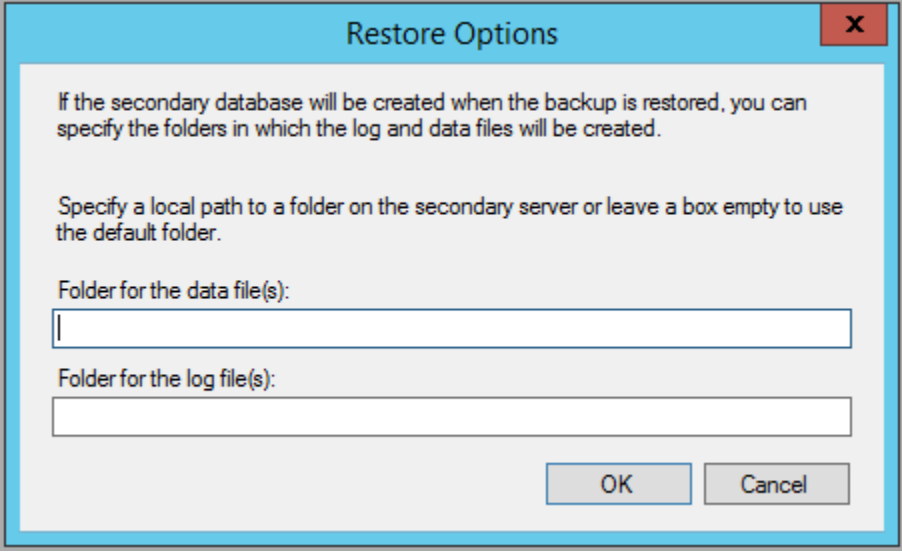
☐ Yes, restore an existing backup of the primary database into the secondary database (and create the secondary database if it doesn't exist)

Specify a network path to the backup file that is accessible by the secondary server instance.

Backup file:

☐ No, the secondary database is initialized.

11. Si se elige la opción #1, es necesario definir la ubicación de los datos de base de datos e iniciar sesión en el servidor secundario.



The image shows a 'Restore Options' dialog box with a blue title bar and a red close button. The main area is light gray and contains instructional text and two input fields. The text explains that if a secondary database is created, the user can specify folders for log and data files. It then asks the user to specify a local path for the data file(s) and the log file(s), or leave the boxes empty for default folders. At the bottom right are 'OK' and 'Cancel' buttons.

Restore Options

If the secondary database will be created when the backup is restored, you can specify the folders in which the log and data files will be created.

Specify a local path to a folder on the secondary server or leave a box empty to use the default folder.

Folder for the data file(s):

Folder for the log file(s):

OK Cancel

12. Definimos el almacenamiento de datos en el servidor secundario para copiar los archivos de copia de seguridad.

Secondary Database Settings [X]

Secondary server instance:

Secondary database:
Select an existing database or enter the name to create a new database.

Files are copied from the backup folder to a destination folder by a SQL Server Agent job running on the secondary server instance.

Destination folder for copied files: (This folder is usually located on the secondary server.)

Note: you must grant read and write permission on this folder to the proxy account for the copy job (usually the SQL Server Agent service account on the secondary server instance).

Delete copied files after:

Copy job

Job name:

Schedule: ☐ Disable this job

13. Asignamos el calendario de restauración en el servidor secundario.

Job Schedule Properties - DefaultCopyJobSchedule

Name: Jobs in Schedule

Schedule type: Recurring ☒ Enabled

One-time occurrence

Date: 9/ 2/2014 Time: 1:24:35 PM

Frequency

Occurs: Daily

Recurs every: 1 day(s)

Daily frequency

☐ Occurs once at: 12:00:00 AM

☒ Occurs every: 15 minute(s) Starting at: 12:00:00 AM
Ending at: 11:59:00 PM

Duration

Start date: 9/ 2/2014 ☐ End date: 9/ 2/2014
☒ No end date:

Summary

Description: Occurs every day every 15 minute(s) between 12:00:00 AM and 11:59:00 PM. Schedule will be used starting on 9/2/2014.

OK Cancel Help

14. Elegimos el modo de restauración de recuperación de los logs: **No recovery** - la base de datos es inaccesible; **Standby** - la base de datos es accesible, pero los usuarios se desconectan cuando la restauración de copias de seguridad se activa.

Secondary Database Settings [X]

Secondary server instance:

Secondary database:
Select an existing database or enter the name to create a new database.

Files are restored from the destination folder by a SQL Server Agent job running on the secondary server instance.

Database state when restoring backups:

☒ No recovery mode

☐ Standby mode

☐ Disconnect users in the database when restoring backups

Delay restoring backups at least: Minute(s)

Alert if no restore occurs within: Minute(s)

Restore job

Job name:

Schedule: ☐ Disable this job

15. Definimos los registros de transacciones a restaurar sobre la programación en el servidor secundario.

Job Schedule Properties - DefaultRestoreJobSchedule

Name: Jobs in Schedule

Schedule type: Recurring ☒ Enabled

One-time occurrence

Date: 9/ 2/2014 Time: 1:31:35 PM

Frequency

Occurs: Daily

Recurs every: 1 day(s)

Daily frequency

☐ Occurs once at: 12:00:00 AM

☒ Occurs every: 15 minute(s) Starting at: 12:00:00 AM Ending at: 11:59:00 PM

Duration

Start date: 9/ 2/2014 ☐ End date: 9/ 2/2014 ☒ No end date:

Summary

Description: Occurs every day every 15 minute(s) between 12:00:00 AM and 11:59:00 PM. Schedule will be used starting on 9/2/2014.

OK Cancel Help

16. Hacemos un clic en el botón Aceptar para confirmar la configuración **log shipping**. Si todo está configurado correctamente, deberíamos obtener un diálogo de progreso exitoso.

Save Log Shipping Configuration

Restoring backup to secondary database

☒ **Success** 4 Total 0 Error
4 Success 0 Warning

Details:

Action	Status	Message
Backing up primary database [AdventureWorks]	Success	
Restoring backup to secondary database [OXSPR...	Success	
Saving secondary destination configuration [OXSP...	Success	
Saving primary backup setup	Success	

Close Report

Mirroring

Base de Datos Espejo (Database Mirroring) es una configuración donde dos o tres servidores de base de datos, ejecutándose en equipos independientes, cooperan para mantener copias de la base de datos y archivo de registro de transacciones (log).

Tanto el servidor primario como el servidor espejo mantienen una copia de la base de datos y el registro de transacciones, mientras que el tercer servidor, llamado el servidor testigo, es usado cuando es necesario determinar cuál de los otros dos servidores puede tomar la propiedad de la base de datos. El testigo no mantiene una copia de la base de datos. La configuración de los tres servidores de base de datos (el primario, el espejo y el testigo) es llamado Sistema Espejo (Mirroring System), y el servidor primario y espejo juntos son llamados Servidores Operacionales (Operational Servers) o Compañeros (Partners).

Beneficios de usar Mirroring

- **Mirroring** esta técnica fue introducida en la edición 2005 de sql server.
- Se puede decir que es la evolución del **log shipping**.
- La principal diferencia es el tiempo de espera para tener la información más actual el espejo es un recurso más rápido que el log shipping.
- El servidor en **stand by** automáticamente puede levantarse en caso de que el servidor principal fallara.

La creación de **Mirroring** tiene 2 modalidades:

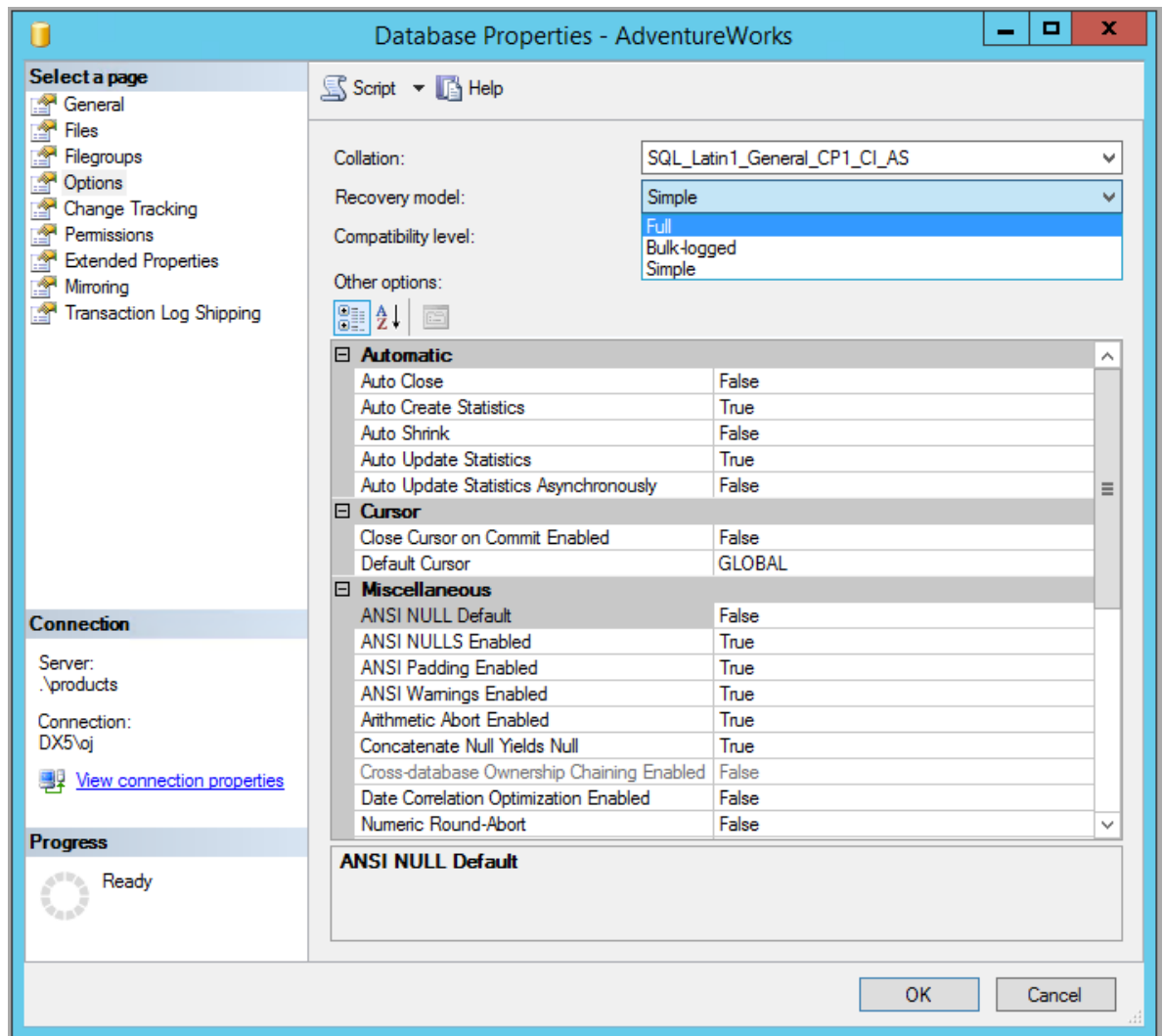
- Asíncrono:
 - Confirma una transacción sin esperar a la instancia espejo para escribir el registro en el disco.
- Sincrónica:
 - Una transacción debe estar comprometida en tanto el principal como en la instancia espejo antes de ser terminada.

Implementación Mirroring

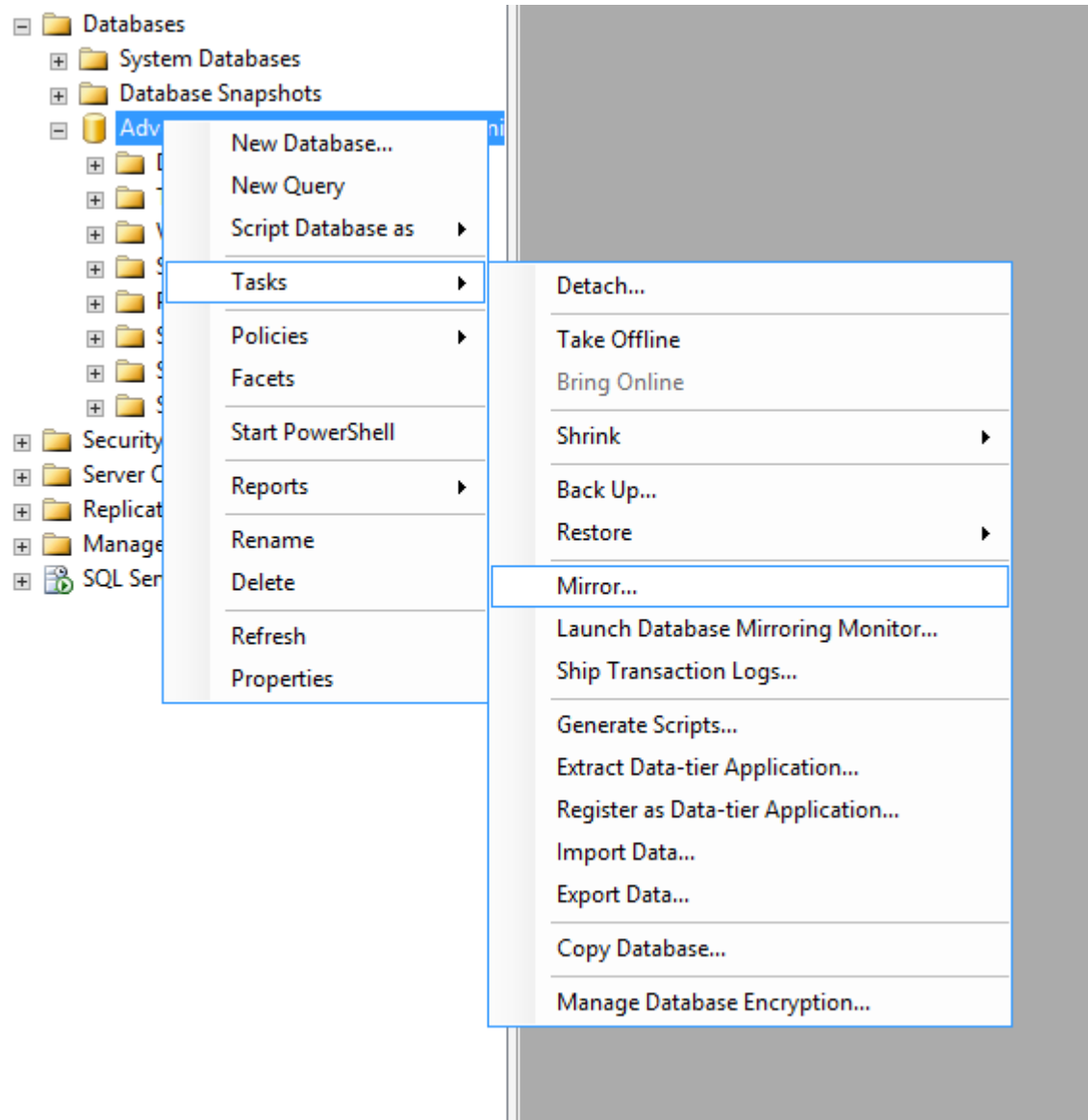
1. Conectar con el servidor primario.

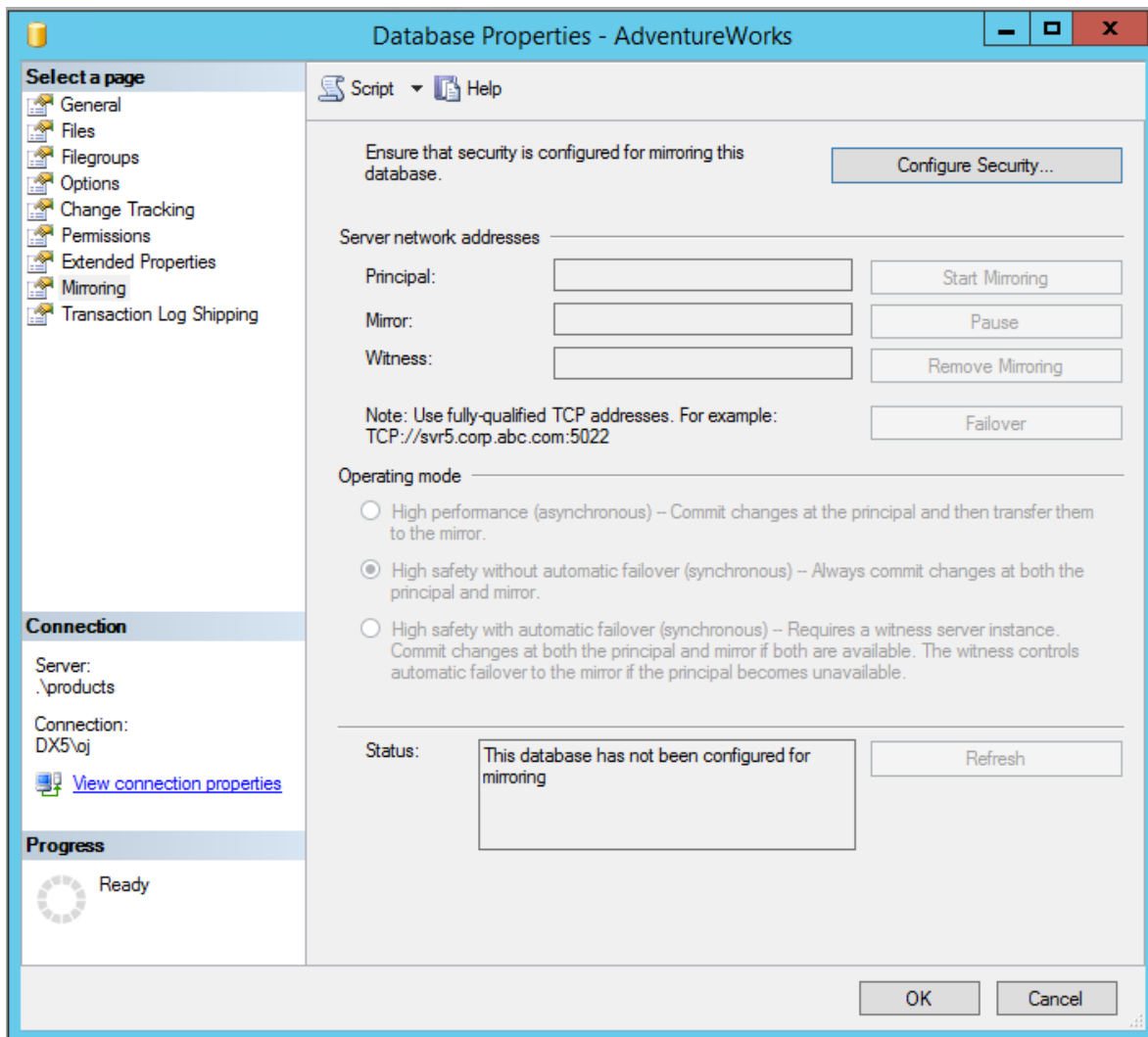


2. Asegúrese de que la base de datos está en el modo Full recovery
3. Realizar el backup en los servidores mirror y witness
 - a. Suggestion 1: Make sure that on Mirror Server the database is restored with NO RECOVERY option (This is the most common problem).



4. Habilitar la creación del mirroring de la base de datos.

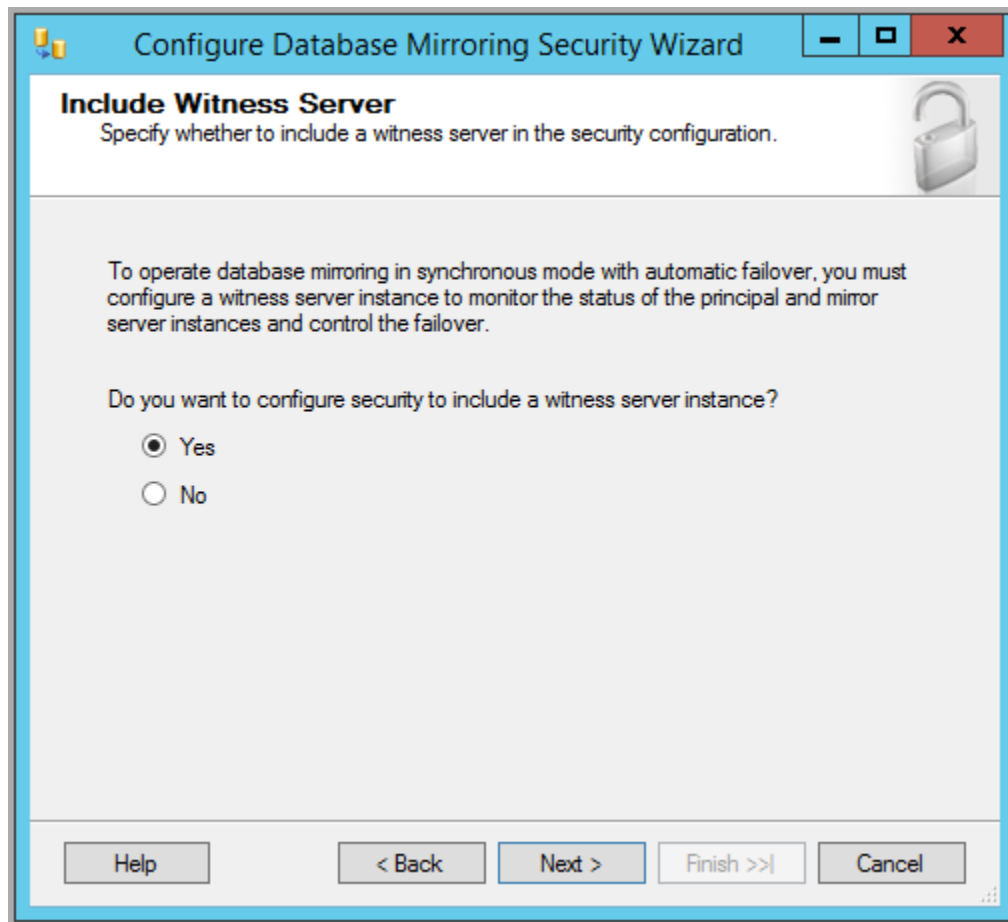




5. Luego configuramos la seguridad de la base de datos mirror.



6. Definimos un servidor testigo, se utiliza para la conmutación automática por algún error durante la comunicación. Seleccionamos que sí.



7. Definimos una base de datos para el servidor principal. Debemos asegurarnos de abrir el puerto de escucha en el firewall del servidor.

Configure Database Mirroring Security Wizard

Principal Server Instance

Specify information about the server instance where the database was originally located.

Principal server instance:
DX5\products

Specify the properties of the endpoint through which the principal server instance will accept connections from the mirror and witness server instances:


Listener port: ☒ Encrypt data sent through this endpoint

Endpoint name:

NOTE: If the principal, mirror or witness are instances on the same server, their endpoints must use different ports.


Help < Back Next > Finish >> Cancel

8. Conectamos y definimos los parámetros del servidor espejo. Con el fin de conectar correctamente al servidor secundario, debemos asegurarnos que el puerto de la instancia esta escuchado y que el SQLBrowser tiene los puertos abiertos y escuchando también.

Configure Database Mirroring Security Wizard

X

Mirror Server Instance



Specify information about the server instance where the mirror copy of the database will be located.

Mirror server instance:

DX6\PRODUCTS

Connect...


Specify the properties of the endpoint through which the mirror server instance will accept connections from the principal and witness server instances:

Listener port:

☒ Encrypt data sent through this endpoint

Endpoint name:

NOTE: If the principal, mirror or witness are instances on the same server, their endpoints must use different ports.

 You must connect to this server instance using a login or account with the necessary permissions to save the security configuration before continuing this wizard.

Help

< Back

Next >

Finish >>

Cancel

Configure Database Mirroring Security Wizard

Mirror Server Instance

Specify information about the server instance where the mirror copy of the database will be located.

Mirror server instance:

Specify the properties of the endpoint through which the mirror server instance will accept connections from the principal and witness server instances:

Listener port: ☒ Encrypt data sent through this endpoint

Endpoint name:

NOTE: If the principal, mirror or witness are instances on the same server, their endpoints must use different ports.

- Definimos la cuenta de seguridad para la instancia principal y el servidor espejo.

Configure Database Mirroring Security Wizard

Service Accounts

Specify the service accounts of the server instances.

For SQL Server accounts in the same domain or trusted domains, specify the service accounts below. If the accounts are non-domain accounts or the accounts are in untrusted domains, leave the textboxes empty.

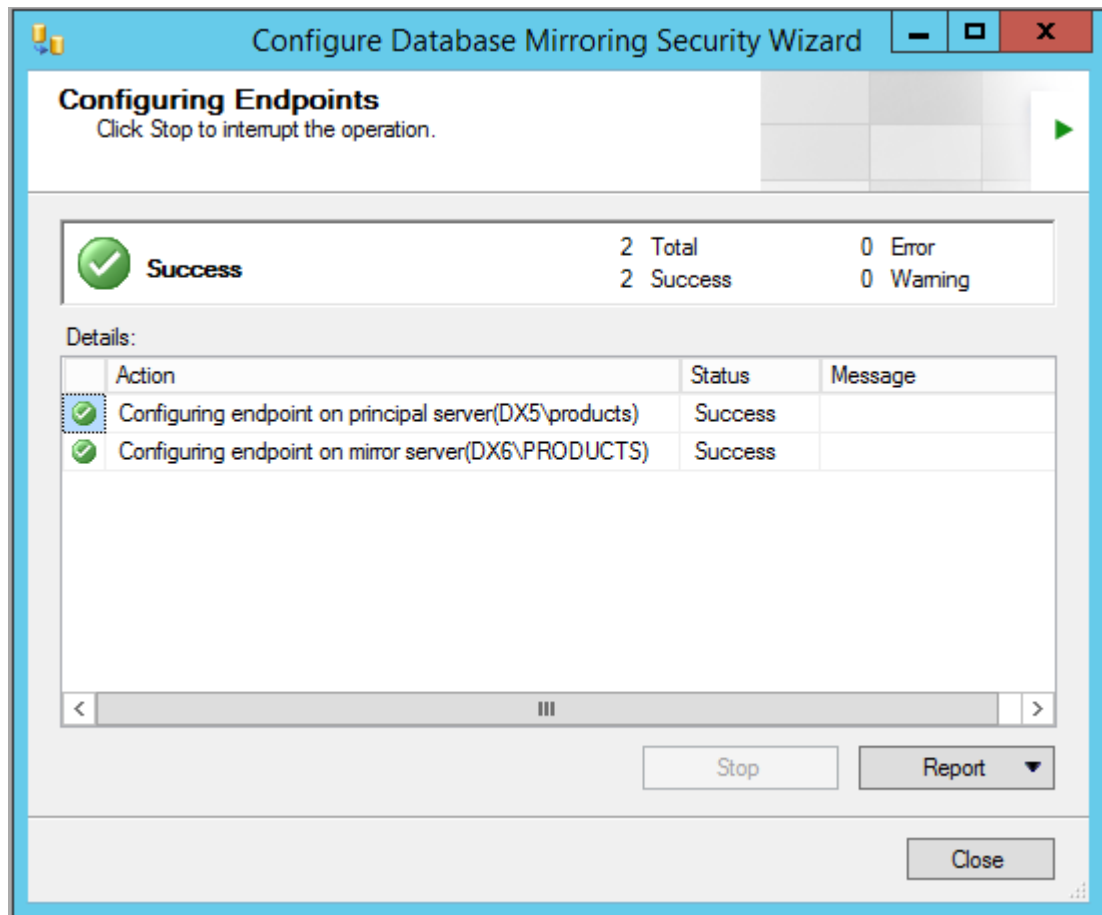
Service accounts for the following instances:

Principal:

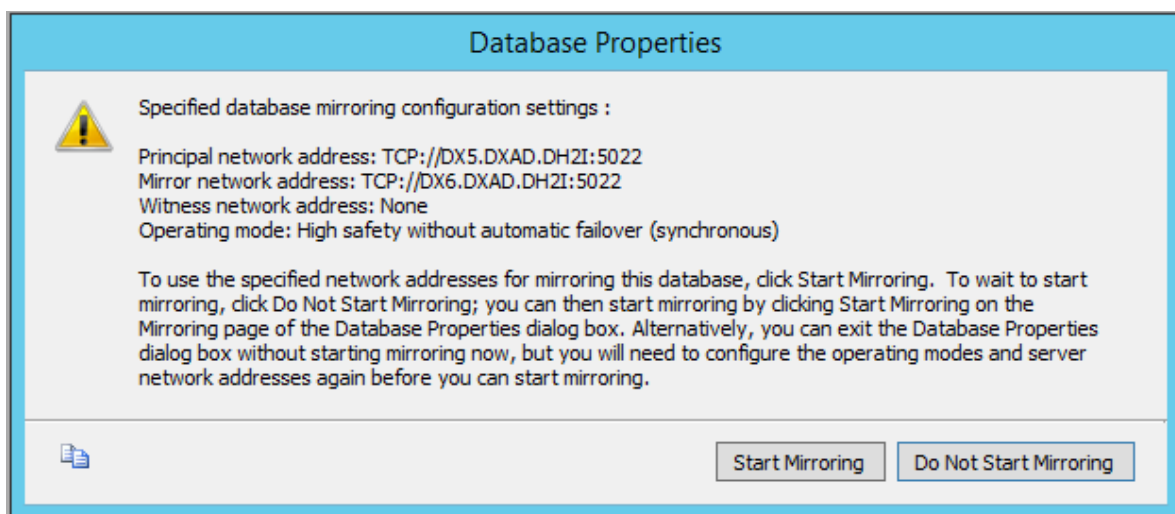
Mirror:

After you specify the service accounts, logins will be created for each account, if necessary, and will be granted CONNECT permission on the endpoints.

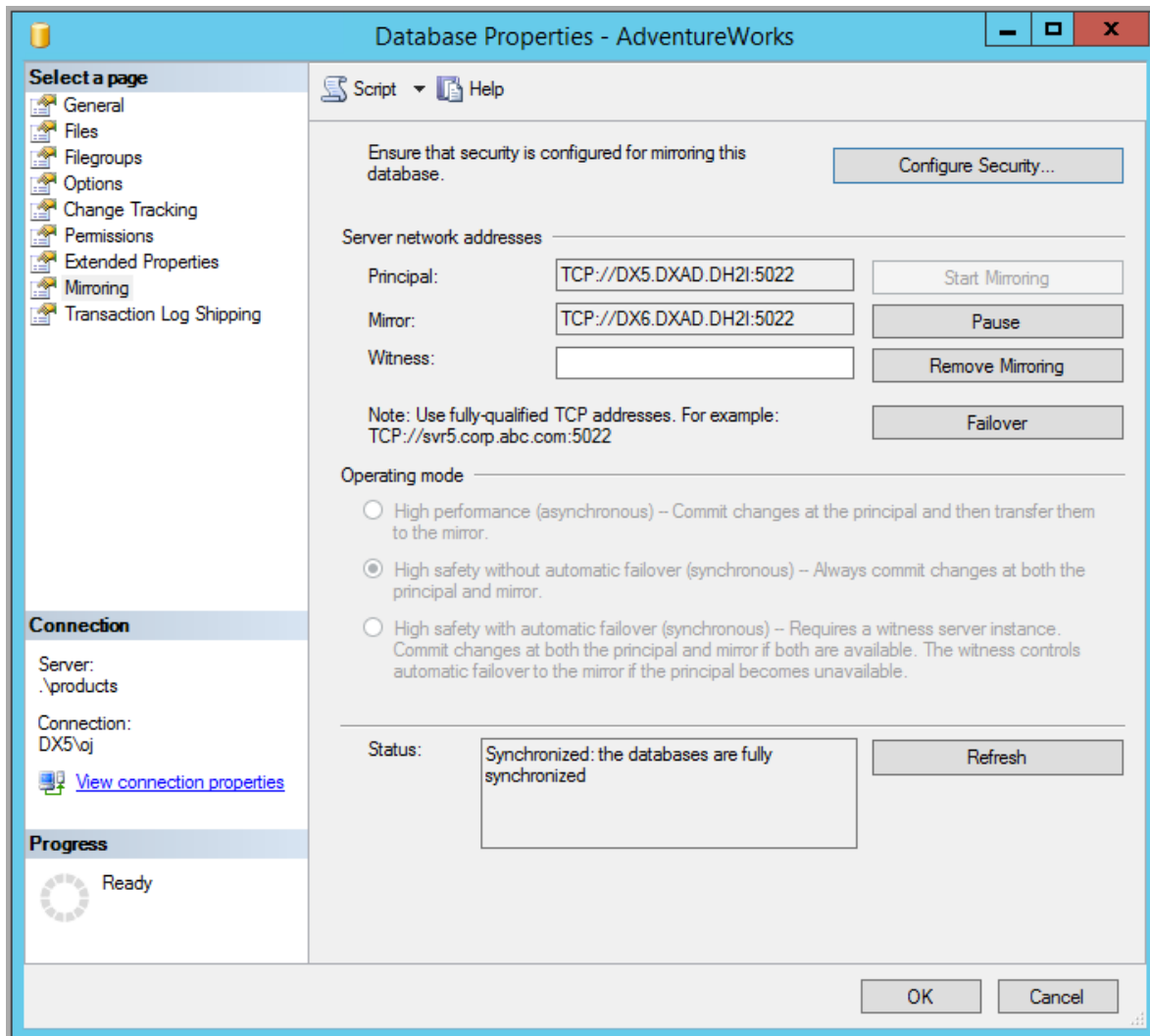
10. Le damos clic al botón de Finalizar para confirmar la configuración de las instancias.



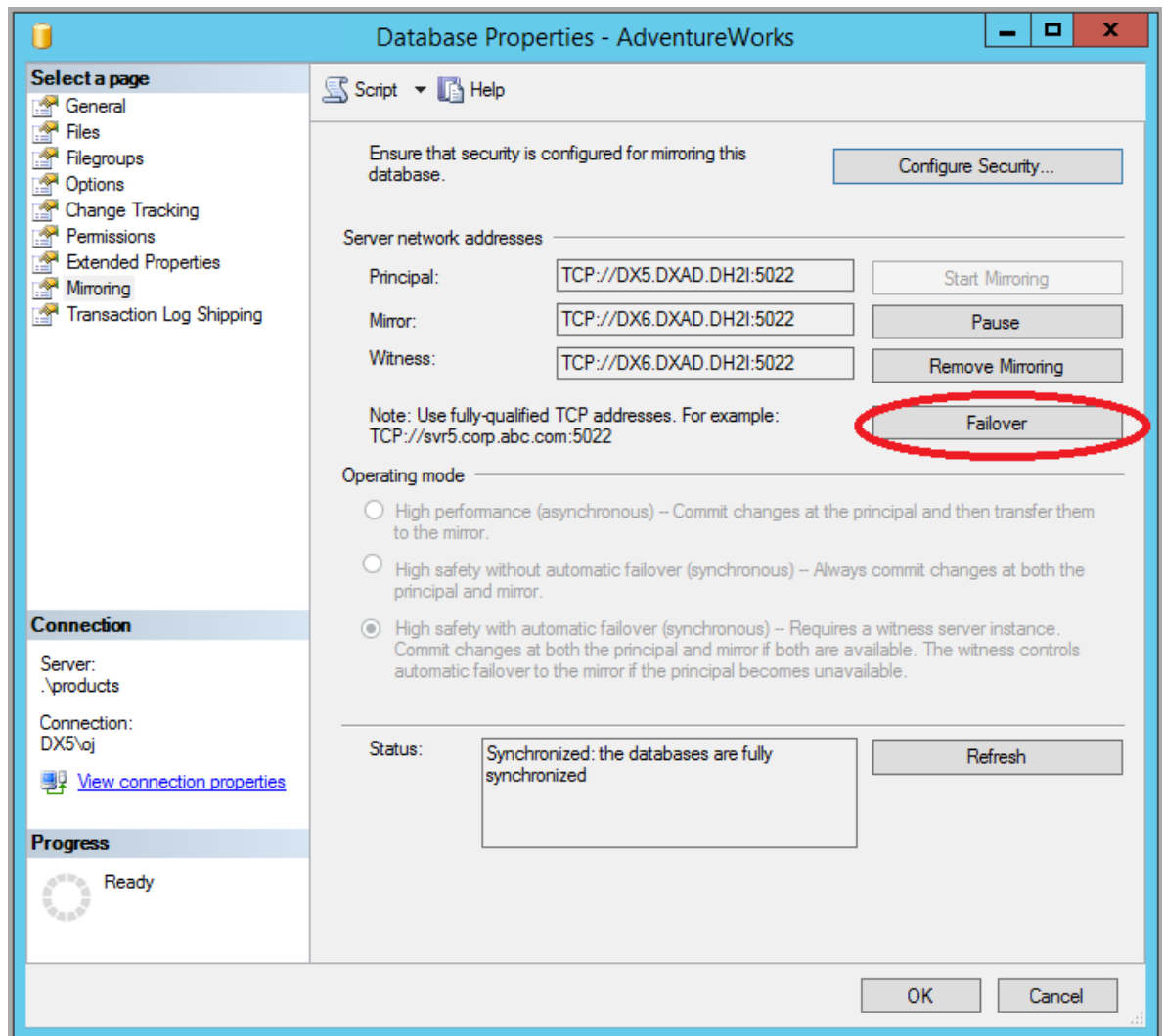
11. Vamos a iniciar con la sesión de duplicación.



12. Si todo está configurado correctamente, la base de datos espejo debería ya tener una sesión activa.



13. Ahora activamos el servidor testigo y seleccionamos la opción de operación “High-Safety with automatic failover”



14. Le damos un clic al botón Failover y de esta manera la instancia espejo pasara a hacer la instancia principal.