

## INF – 317

### Sistemas en Tiempo Real y Distribuidos

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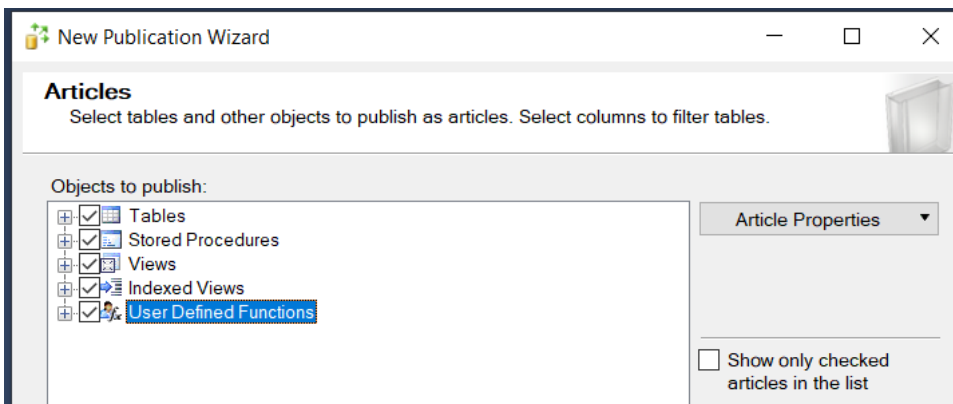
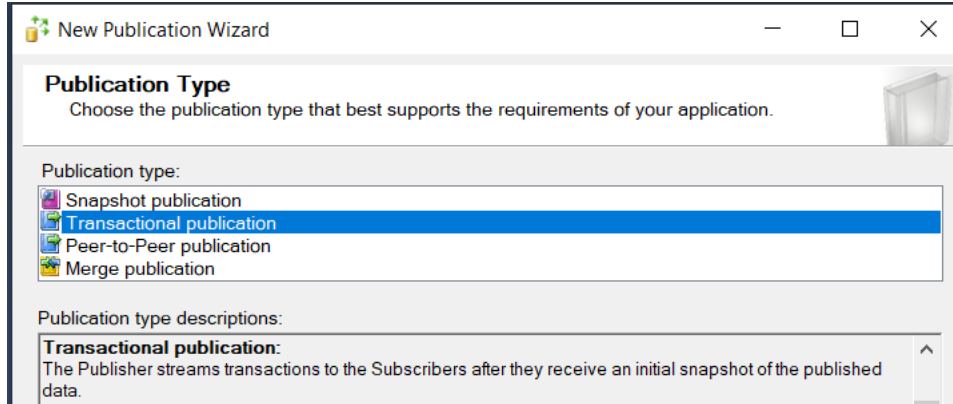
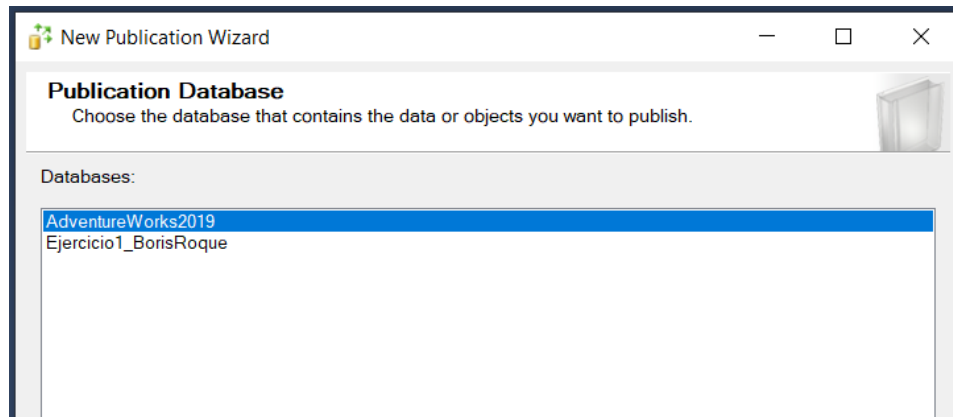
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### 2do Examen Parcial - Ejercicio 2

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

1. Se procede a crear una nueva publicación



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.)

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Connect to the Publisher

☐ By impersonating the process account

☒ Using the following SQL Server login:

Login:

Password:

Confirm Password:


OK Cancel Help

Luego de realizar todas las configuraciones necesarias se obtiene la siguiente pantalla:

New Publication Wizard




**Creating Publication**

Click Stop to interrupt the operation.

 **Success**

	3 Total	0 Error
	3 Success	0 Warning

Details:

Action	Status	Message
 Creating Publication 'Ejercicio2_Publicacion'	Success	
 Adding article 112 of 112	Success	
 Starting the Snapshot Agent	Success	

(local) (SQL Server 16.0.1105.1 - borisroque)

- Databases
  - System Databases
  - Database Snapshots
  - AdventureWorks2019
  - Ejercicio1\_BorisRoque
- Security
- Server Objects
- Replication
  - Local Publications
    - [AdventureWorks2019]: Ejercicio2\_Publicacion
  - Local Subscriptions

## 2. Crear la Suscripción para replicar la base de datos

**New Subscription Wizard**

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

Publisher:  
DESKTOP-M760119

Databases and publications:  
AdventureWorks2019  
Ejercicio2\_Publicacion

**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, DESKTOP-M760119 (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.

**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"/> DESKTOP-M760119	Ejercicio2_BorisRoque

**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.

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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

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


Subscription properties:

Agent for Subscriber	Connection to Distributor	Connection to Subscriber
DESKTOP-M76O1I9	Impersonate process account	Use login 'borisroque'

Una vez realizadas las configuraciones necesarias, la pantalla resultante es la siguiente:


New Subscription Wizard

**Creating Subscription(s)...**  
Click Stop to interrupt the operation.

 **Success**

	1	Total	0	Error
	1	Success	0	Warning

Details:

Action	Status	Message
 Creating subscription for 'DESKTOP-M76O1I9'	Success	

- Replication
- Local Publications
  - [AdventureWorks2019]: Ejercicio2\_Publicacion
- Local Subscriptions
  - [Ejercicio2\_BorisRoque] - [DESKTOP-M76O1I9].[AdventureWorks2019]: Ejercicio2\_Publicacion
- Always On High Availability

Para comprobar el resultado, se verifica la existencia de datos o registros.

SQLQuery1.sql - (lo...er (borisroque (55))\*

```
select * from Ejercicio2_BorisRoque.Production.ProductCostHistory;  
select * from Ejercicio2_BorisRoque.Production.ProductListPriceHistory;
```

100 %

Results Messages

	ProductID	StartDate	EndDate	StandardCost	ModifiedDate
1	707	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	12,0278	2012-05-29 00:00:00.000
2	707	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	13,8782	2013-05-29 00:00:00.000
3	707	2013-05-30 00:00:00.000	NULL	13,0863	2013-05-16 00:00:00.000
4	708	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	12,0278	2012-05-29 00:00:00.000
5	708	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	13,8782	2013-05-29 00:00:00.000

	ProductID	StartDate	EndDate	ListPrice	ModifiedDate
1	707	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	33,6442	2012-05-29 00:00:00.000
2	707	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	33,6442	2013-05-29 00:00:00.000
3	707	2013-05-30 00:00:00.000	NULL	34,99	2013-05-09 00:00:00.000
4	708	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	33,6442	2012-05-29 00:00:00.000
5	708	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	33,6442	2013-05-29 00:00:00.000