

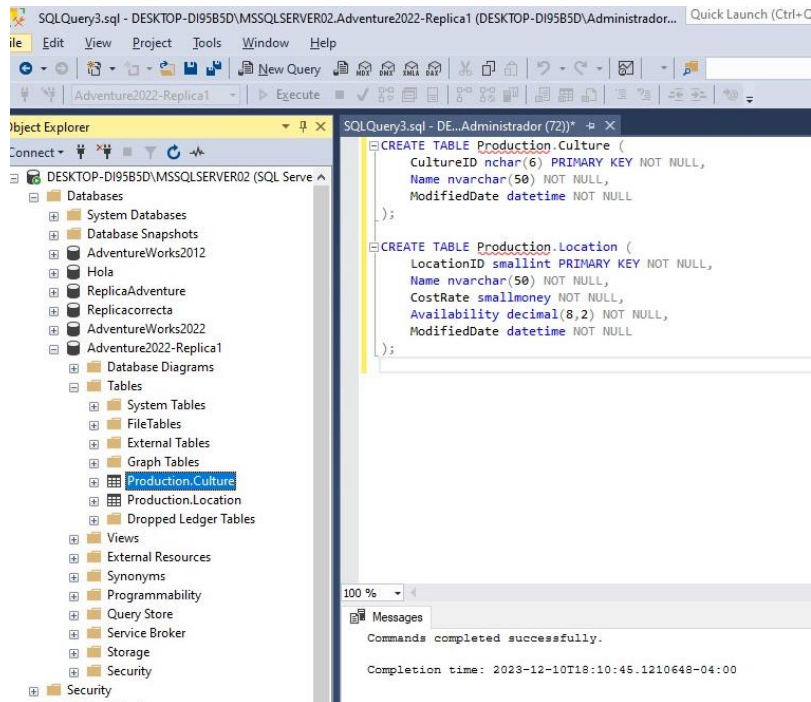
Segundo Parcial – INF 317

Nombre: Erick Maciel Tapia Calle

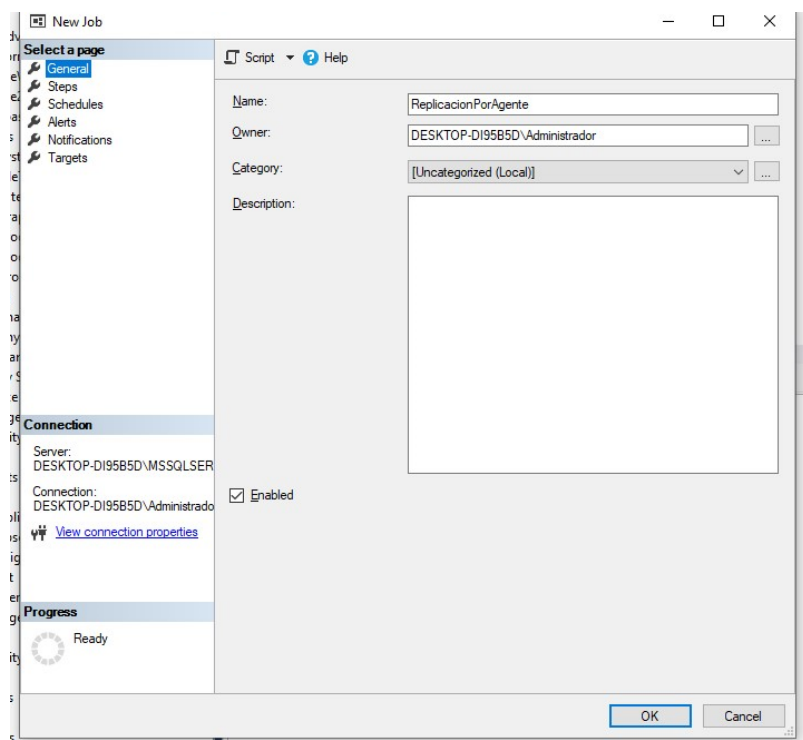
C.I: 5986685

- 1- Mediante el uso del Agente genere una replica de un base de datos del repositorio de Microsoft, de al menos dos tablas.

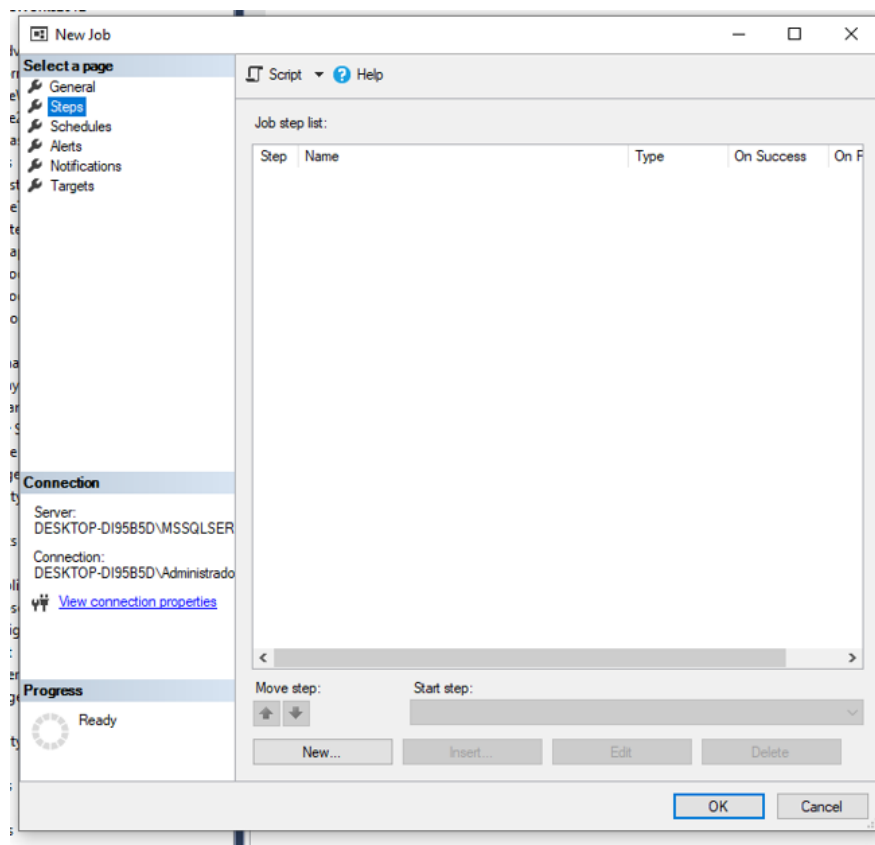
-Creamos base de datos nueva con las tablas a las que se replicaran los datos de la base de datos original



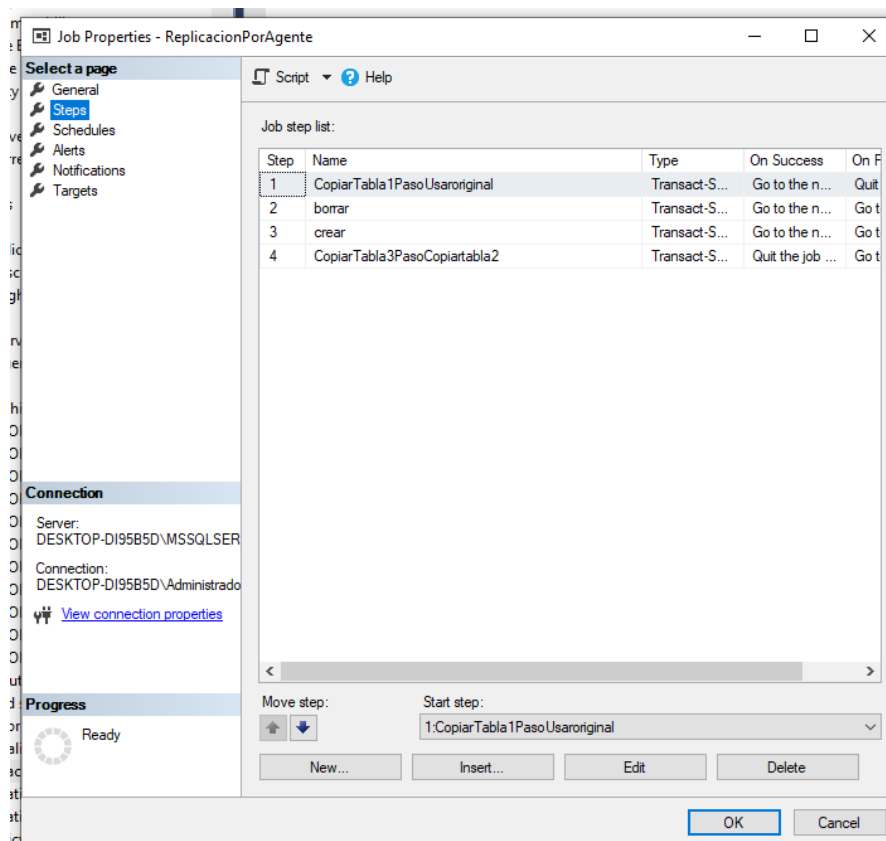
-Creamos un trabajo nuevo



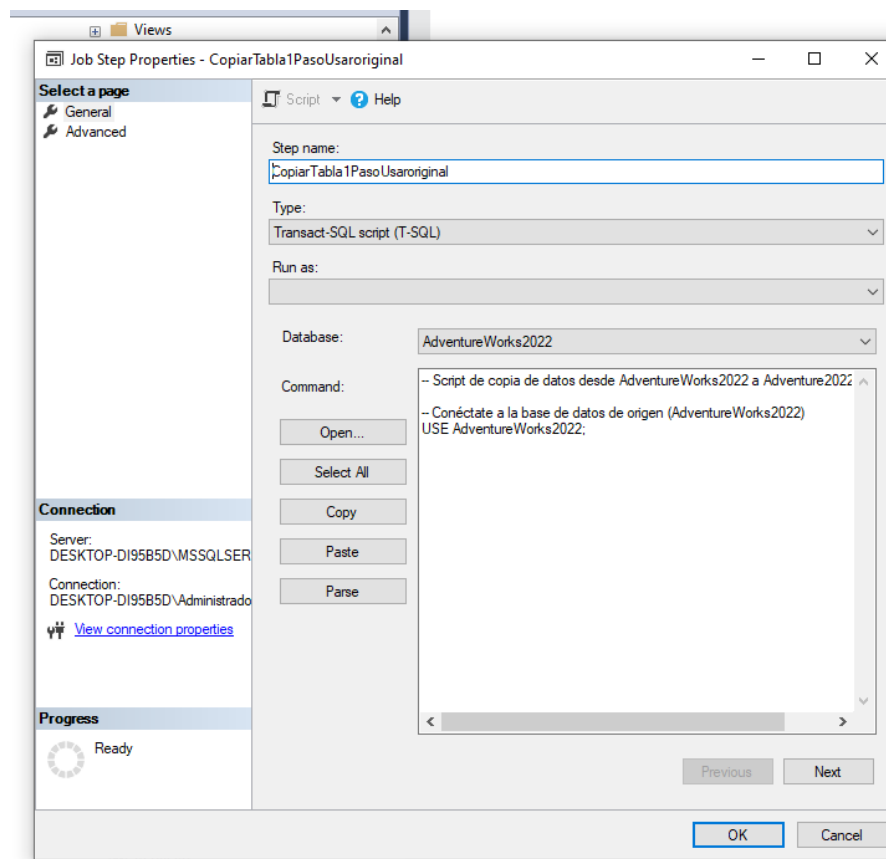
-Creamos los pasos en el trabajo



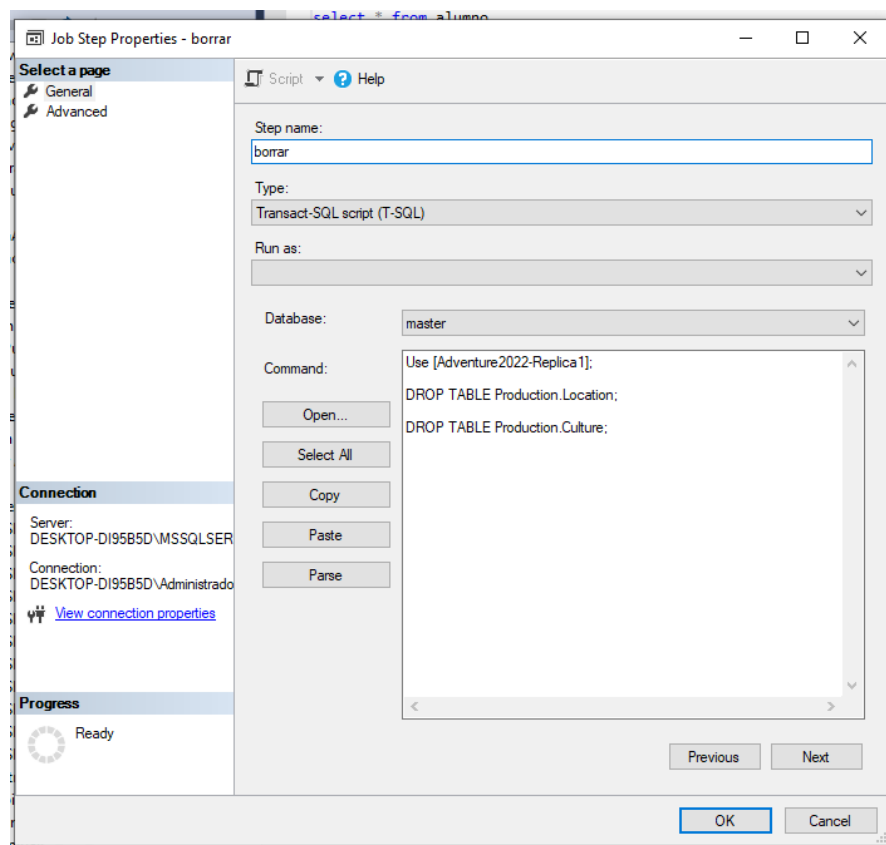
-Son 4 pasos los creados



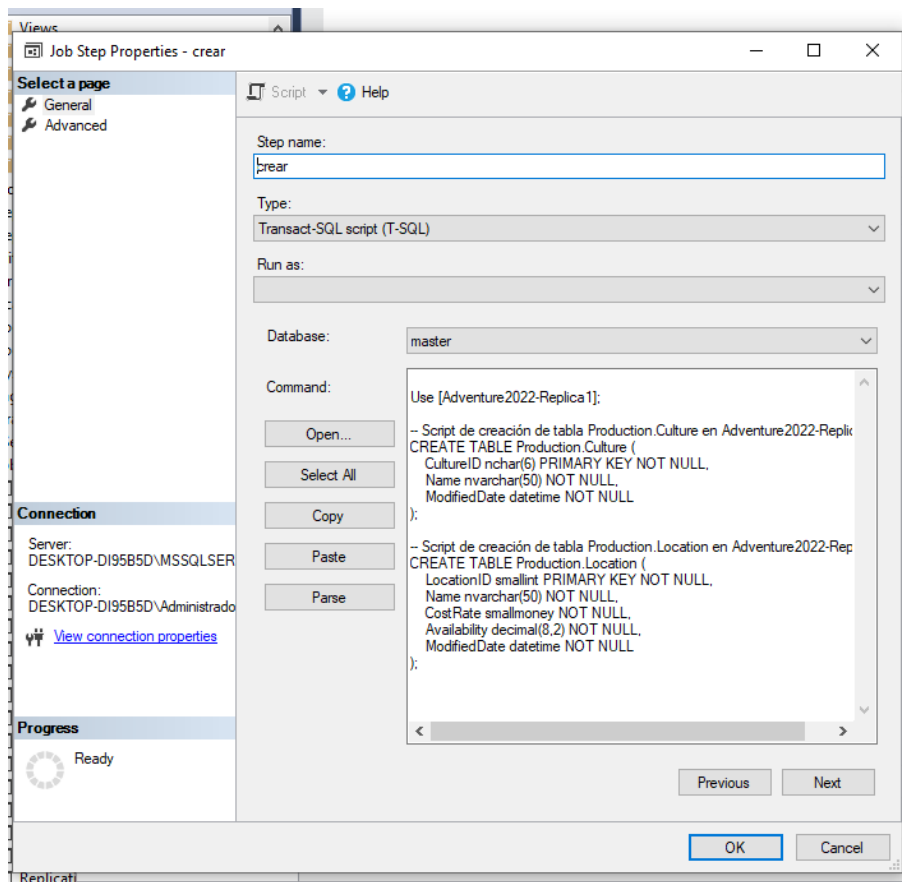
-Paso 1 de selección de base de datos original



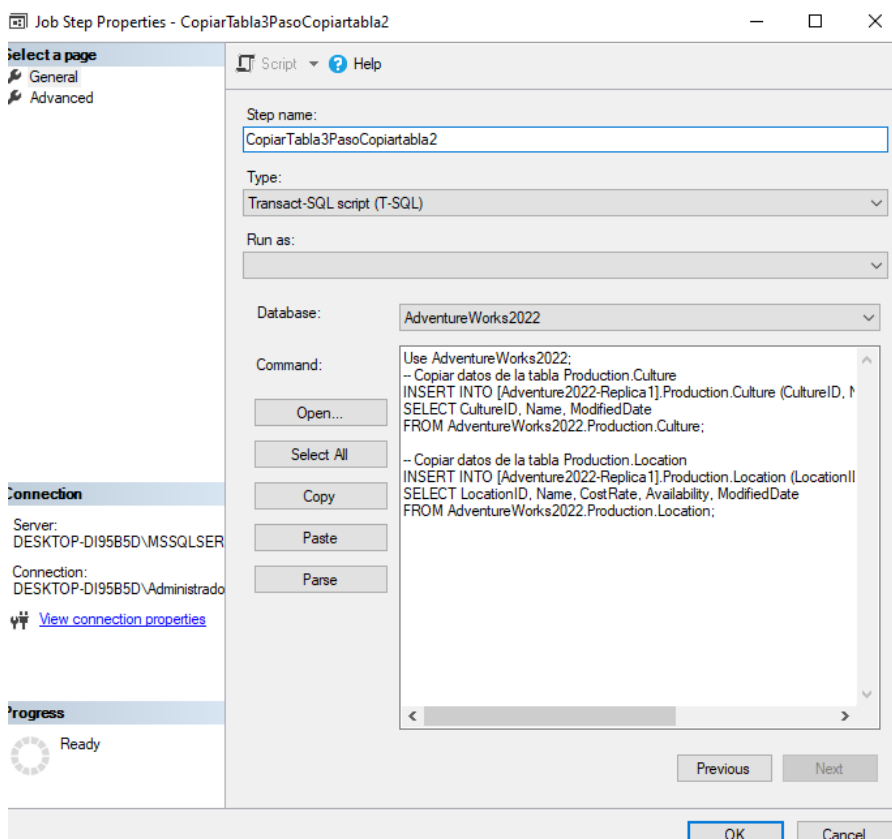
-Paso 2 elimina las tablas existentes en la replica



-Paso 3 se crean las tablas nueva mente en la replica



-Paso 4 se copian los datos de la tabla original a la tabla replica para cada tabla



-Verificamos la tabla replica

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'Adventure2022-Replica1' database. Under 'Tables', the 'Production.Culture' table is highlighted. The main pane shows the 'Query Editor' with the following SQL query:

```
select * from Production.Culture;
```

The 'Results' tab at the bottom shows the data returned by the query. The table has four columns: 'CultureID', 'Name', and 'ModifiedDate'. The data is as follows:

CultureID	Name	ModifiedDate
1	Invariant Language (Invariant Country)	2008-04-30 00:00:00.000
2	ar	2008-04-30 00:00:00.000
3	en	2008-04-30 00:00:00.000
4	es	2008-04-30 00:00:00.000
5	fr	2008-04-30 00:00:00.000
6	he	2008-04-30 00:00:00.000
7	th	2008-04-30 00:00:00.000
8	Youe	2023-12-10 20:41:48.910
9	zh-cht	2008-04-30 00:00:00.000

-Verificamos la tabla original

The screenshot shows the SQL Server Enterprise Manager interface on the left, displaying the 'AdventureWorks2022' database structure. The 'Tables' folder is expanded, showing various tables including 'Production.Culture'. On the right, the SQL Query Editor is open with the query: `select * from Production.Culture;`. The query results are displayed in a table below the editor.

CultureID	Name	ModifiedDate
1	Invariant Language (Invariant Country)	2008-04-30 00:00:00.000
2	ar	2008-04-30 00:00:00.000
3	en	2008-04-30 00:00:00.000
4	es	2008-04-30 00:00:00.000
5	fr	2008-04-30 00:00:00.000
6	he	2008-04-30 00:00:00.000
7	th	2008-04-30 00:00:00.000
8	Youe	2023-12-10 20:41:48.910
9	zh-cht	2008-04-30 00:00:00.000

-Insertamos nueva fila en la tabla de la base de datos original

```
INSERT INTO [Production].[Culture]
([CultureID]
,[Name]
,[ModifiedDate])
VALUES
('bo', 'dbo.Name', GETDATE());
```

-El dato se agrego

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Tables' folder is expanded, showing the 'Production.Culture' table. The central pane displays the query: `select * from Production.Culture`. The 'Results' pane at the bottom shows the data returned by the query. The table has columns: CultureID, Name, and ModifiedDate. The data is as follows:

CultureID	Name	ModifiedDate
1	Invariant Language (Invariant Country)	2008-04-30 00:00:00.000
2	ar	2008-04-30 00:00:00.000
3	dbo.Name	2023-12-11 20:23:33.423
4	en	2008-04-30 00:00:00.000
5	es	2008-04-30 00:00:00.000
6	fr	2008-04-30 00:00:00.000
7	he	2008-04-30 00:00:00.000
8	th	2008-04-30 00:00:00.000
9	Youe	2023-12-10 20:41:48.910
10	zh-cht	2008-04-30 00:00:00.000

-Ejecutamos el trabajo de replicacion

The screenshot shows the 'Start Jobs - DESKTOP-DI95B5D\MSSQLS...' window. The 'Success' status is indicated by a green checkmark. The 'Details' section shows the following actions:

Action	Status	Message
Start Job 'ReplicacionPorAgente'	Success	
Execute job 'ReplicacionPorAgente'	Success	

The 'Close' button is visible at the bottom right of the window.

-Y al verificar la base de datos replicada también ya fue actualizada

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'Object Explorer' for the 'Adventure2022-Replica1' database. The right pane shows a query window with the following SQL statement:

```
select * from Production.Culture
```

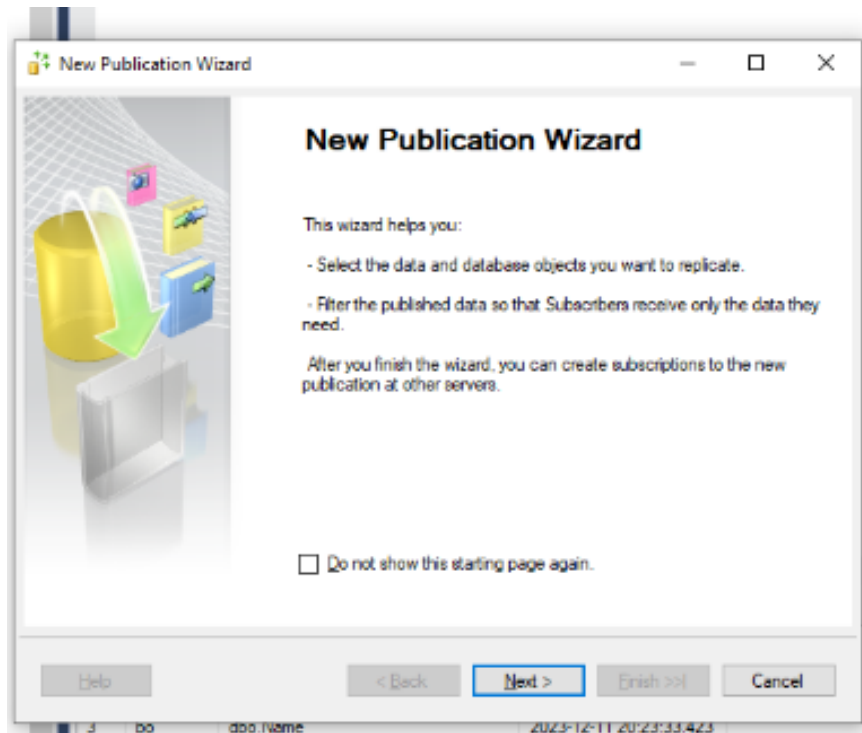
The query results are displayed in a table with the following columns: CultureID, Name, and ModifiedDate. The results are as follows:

CultureID	Name	ModifiedDate
1	Invariant Language (Invariant Country)	2008-04-30 00:00:00.000
2	ar	2008-04-30 00:00:00.000
3	bo	2023-12-11 20:23:33.423
4	en	2008-04-30 00:00:00.000
5	es	2008-04-30 00:00:00.000
6	fr	2008-04-30 00:00:00.000
7	he	2008-04-30 00:00:00.000
8	th	2008-04-30 00:00:00.000
9	Youe	2023-12-10 20:41:48.910
10	zh-cht	2008-04-30 00:00:00.000

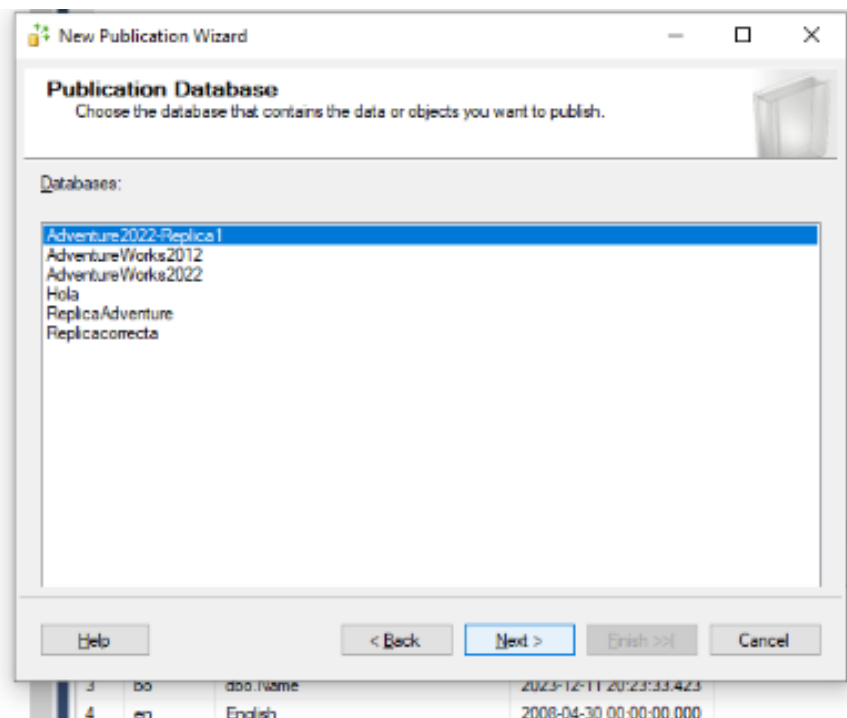
The status bar at the bottom indicates the current position in the results: 'Ready', 'Ln 1', 'Col 29', 'Ch 29', 'INS', and '10 rows'.

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

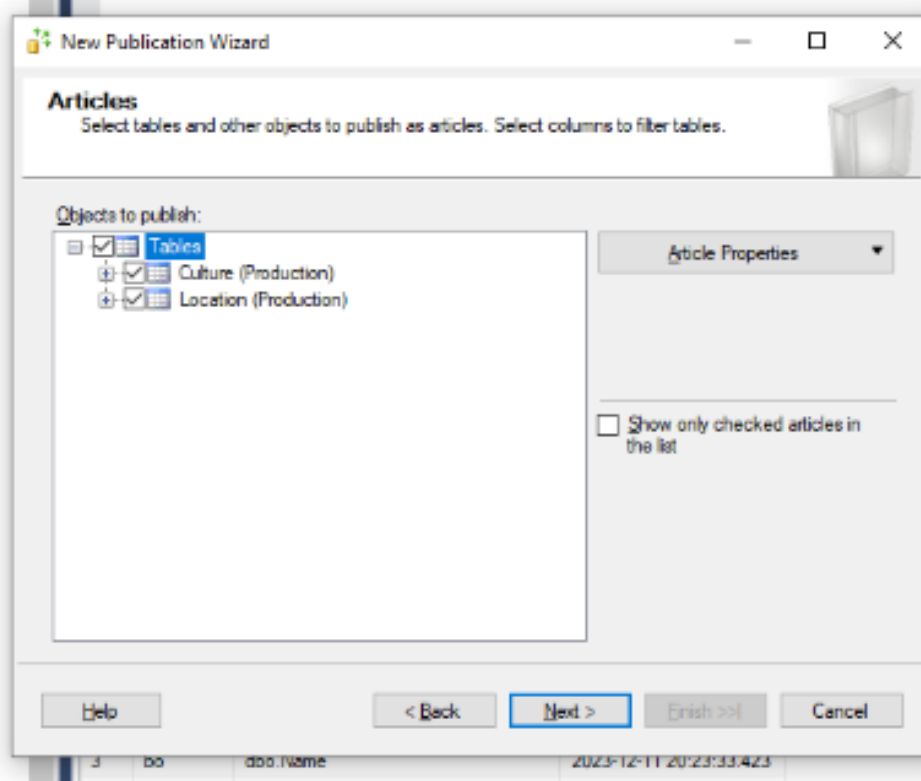
-Creamos una nueva publicacion



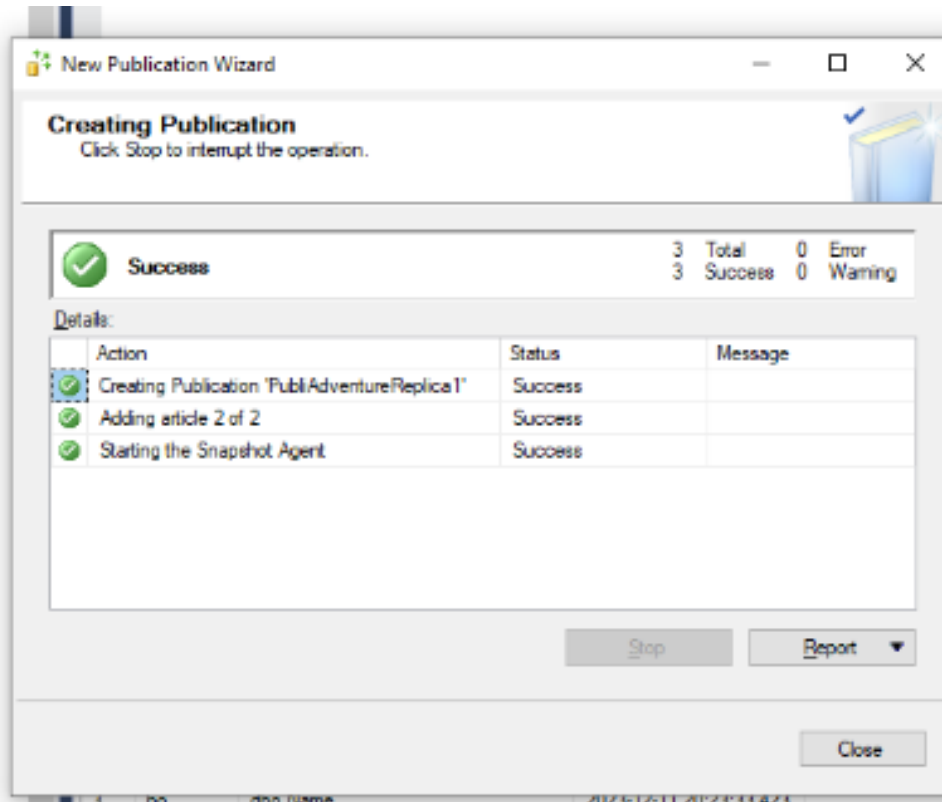
-Seleccionamos la replica 1 como replicador



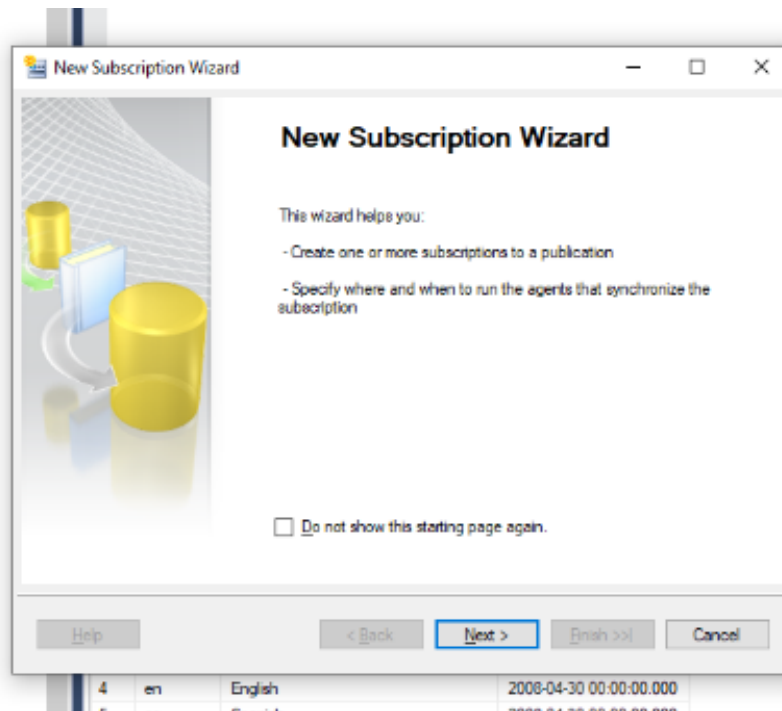
-Seleccionamos las tablas a replicar



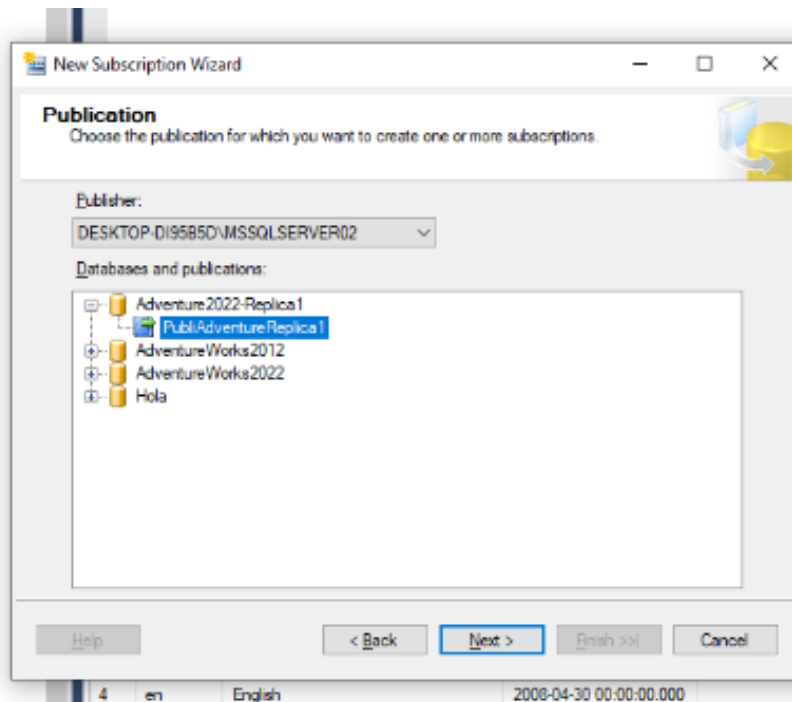
-Publicacion creada



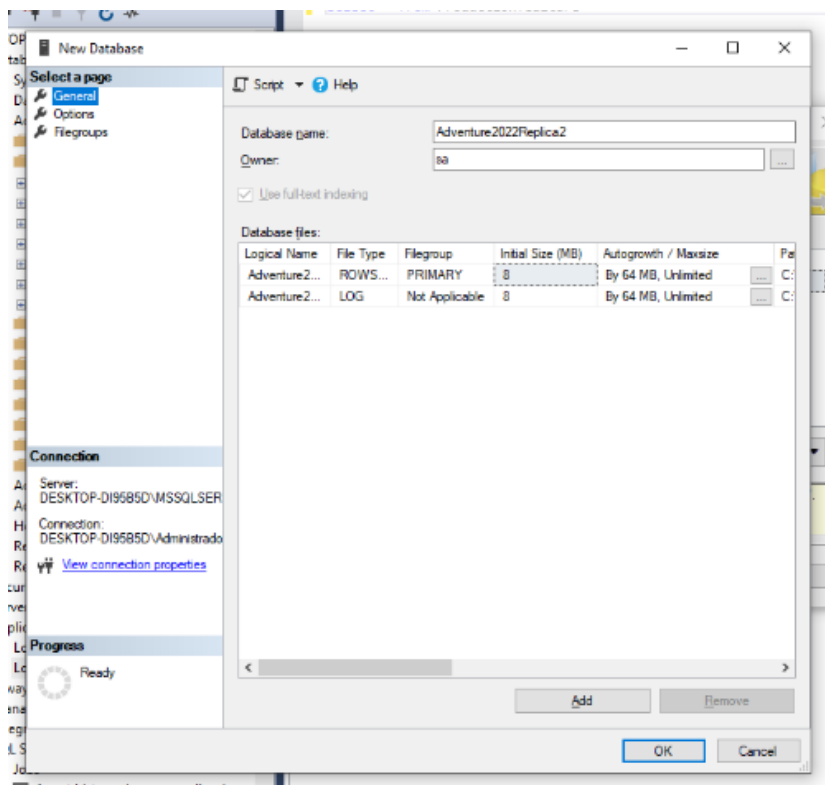
-Creamos un nuevo suscriptor



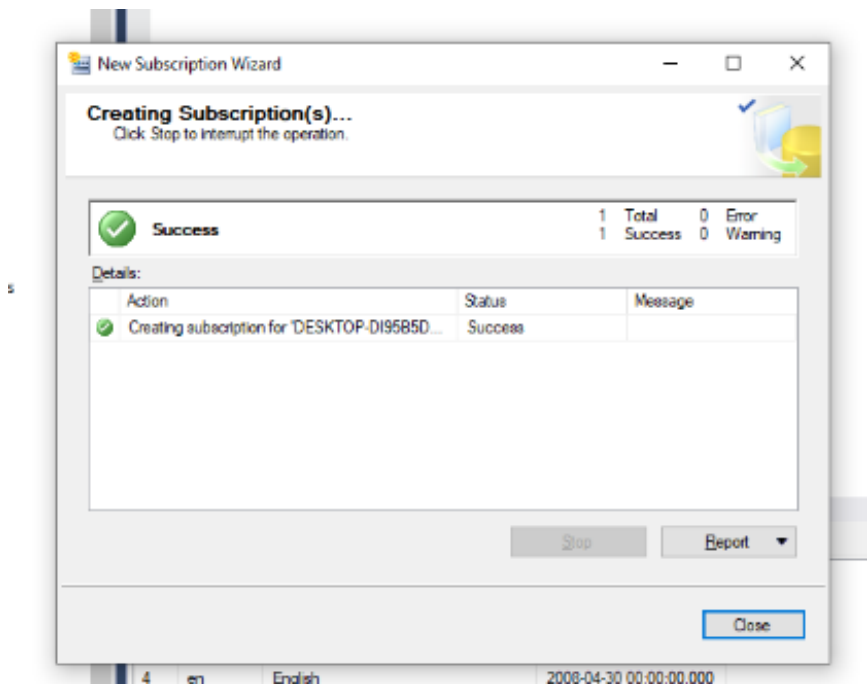
-Seleccionamos la publicacion



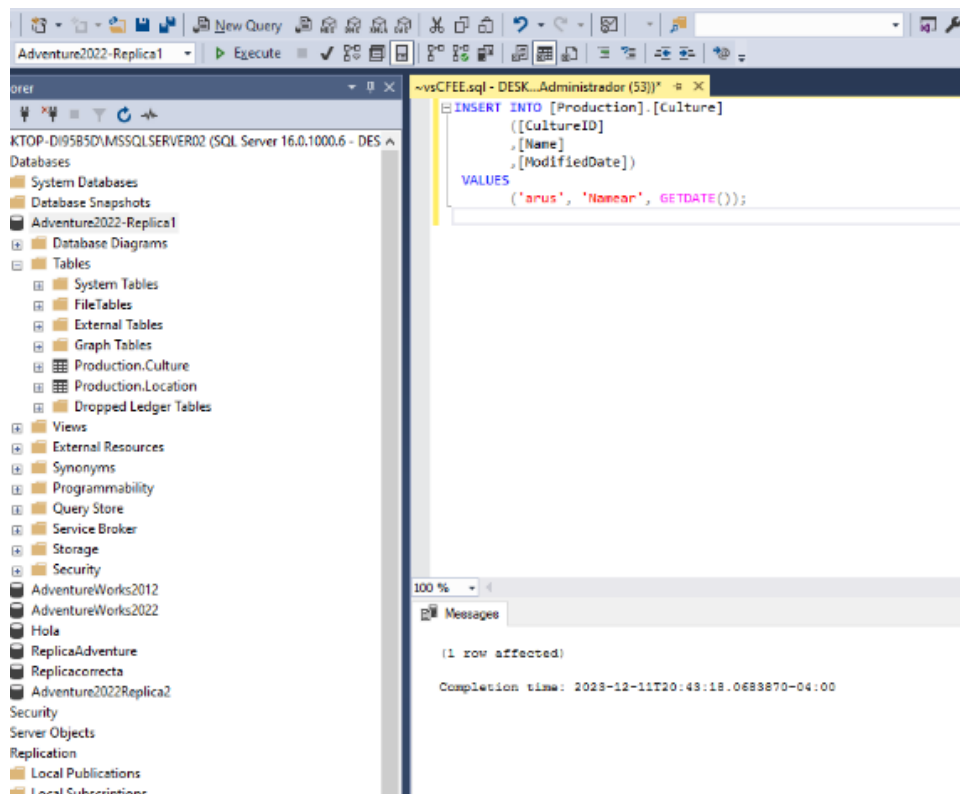
-Creamos la base de datos replica2



-La suscripcion fue creada



-Si agregamos un dato a la tabla de publicacion



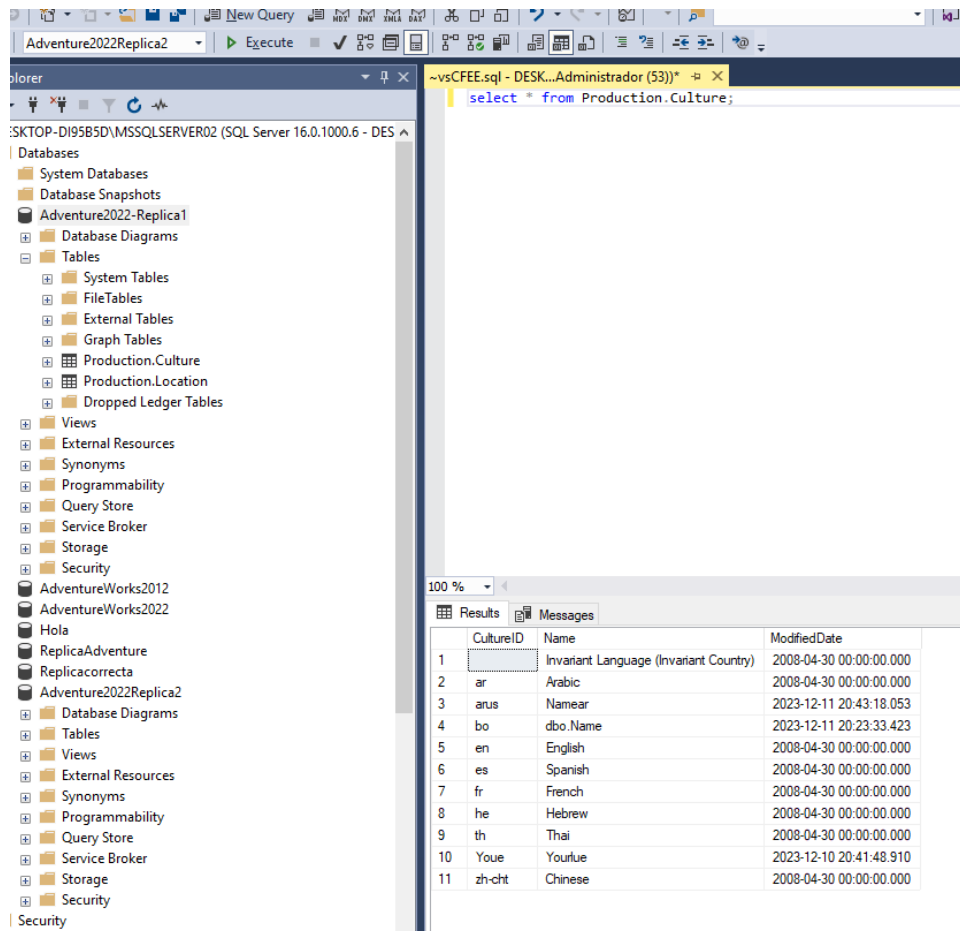
The screenshot shows the SQL Server Enterprise Manager interface on the left, displaying the 'Adventure2022-Replica1' database. The 'Production' folder is expanded, showing the 'Culture' table. On the right, the SQL Query Editor shows the following INSERT statement:

```
INSERT INTO [Production].[Culture]
([CultureID]
,[Name]
,[ModifiedDate])
VALUES
('arus', 'Namear', GETDATE());
```

The 'Messages' pane at the bottom right shows the execution results:

```
(1 row affected)
Completion time: 2023-12-11T20:43:18.0683870-04:00
```

-Automaticamente se agrega a la tabla suscriptora



The screenshot shows the SQL Server Enterprise Manager interface on the left, displaying the 'Adventure2022-Replica2' database. The 'Production' folder is expanded, showing the 'Culture' table. On the right, the SQL Query Editor shows the following SELECT statement:

```
select * from Production.Culture;
```

The 'Results' pane at the bottom right shows the execution results, displaying a table with 11 rows and 3 columns: CultureID, Name, and ModifiedDate.

CultureID	Name	ModifiedDate
1	Invariant Language (Invariant Country)	2008-04-30 00:00:00.000
2	ar	2008-04-30 00:00:00.000
3	arus	2023-12-11 20:43:18.053
4	bo	2023-12-11 20:23:33.423
5	en	2008-04-30 00:00:00.000
6	es	2008-04-30 00:00:00.000
7	fr	2008-04-30 00:00:00.000
8	he	2008-04-30 00:00:00.000
9	th	2008-04-30 00:00:00.000
10	Youe	2023-12-10 20:41:48.910
11	zh-cht	2008-04-30 00:00:00.000