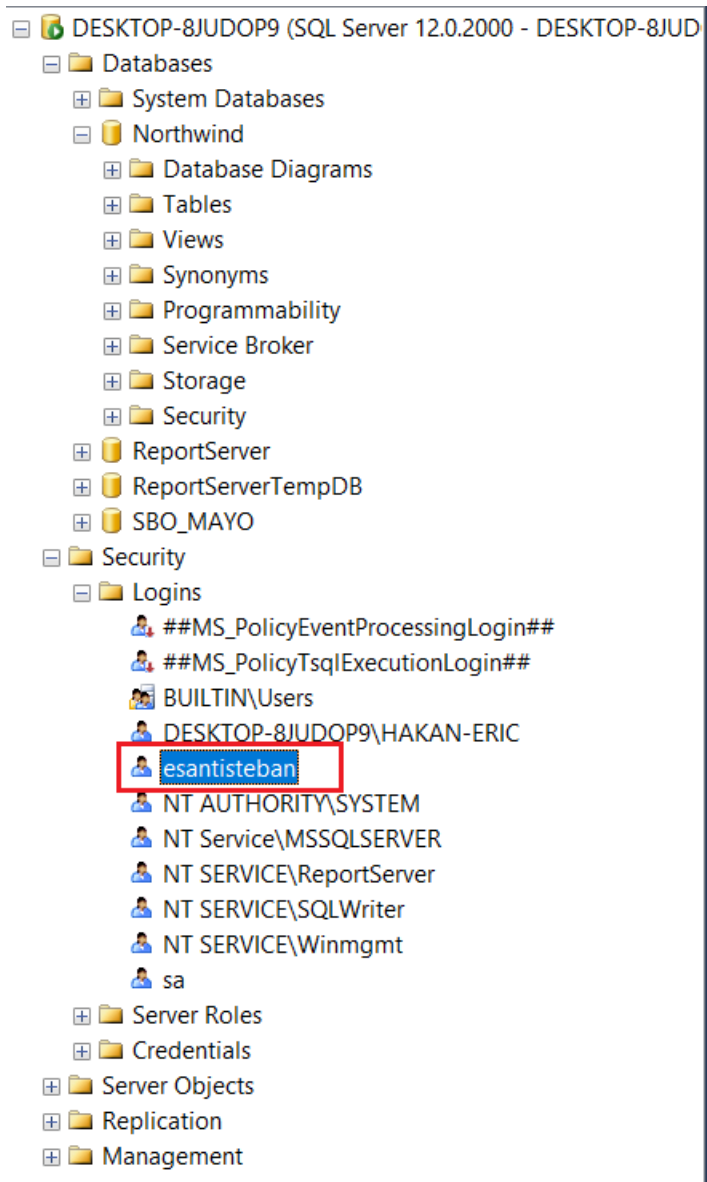


## PRACTICA DIRIGIDA – SEGURIDAD EN SQL SERVER

**ALUMNO: ERIC DANIEL SANTISTEBAN ALVARADO**

1. Usted es el administrador de la base de datos Northwind. Su cuenta Windows está formada por la inicial de su nombre y su apellido. Como administrador de Northwind solo tiene acceso a la metadata, pudiendo crear objetos en la base de datos según las indicaciones del diseñador de la aplicación.



2. Andrew Fuller (afuller) es el Vicepresidente, y además administra directamente las ventas

corporativas, por lo que puede efectuar tareas de mantenimiento de empleados. También necesita obtener información acerca de los pedidos, pero él no se encarga de ingresar los pedidos al sistema.

Login - New

Select a page

- General
- Server Roles
- User Mapping
- Securables
- Status

Script Help

Login name:  Search...

☐ Windows authentication

☒ SQL Server authentication

Password:

Confirm password:

☐ Specify old password

Old password:

☐ Enforce password policy

☐ Enforce password expiration

☐ User must change password at next login

☐ Mapped to certificate

☐ Mapped to asymmetric key

☐ Map to Credential  Add

Mapped Credentials

Credential	Provider

Remove

Default database:

Default language:

OK Cancel

```
USE [Northwind]
GO
CREATE LOGIN [afuller] WITH PASSWORD=N'sql', DEFAULT_DATABASE=[Northwind], DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=OFF, CHECK_POLICY=OFF
GO
```

```

CREATE USER [afuller] FOR LOGIN [afuller]
GO

GRANT SELECT ON EMPLOYEES TO afuller
GO

GRANT UPDATE ON EMPLOYEES TO afuller
GO

GRANT INSERT ON EMPLOYEES TO afuller
GO

GRANT DELETE ON EMPLOYEES TO afuller
GO

SELECT * FROM EMPLOYEES

```

% ▾

Results Messages

EmployeeID	LastName	FirstNa...	Title	TitleOfCourt...	BirthDate	HireDate	Address	City
1	Davolio	Nancy	Sales Representative	Ms.	1948-12-08 00:00:00.000	1992-05-01 00:00:00.000	507 - 20th Ave. E. Apt. 2A	Seattle
2	Fuller	Andrew	Vice President, Sales	Dr.	1952-02-19 00:00:00.000	1992-08-14 00:00:00.000	908 W. Capital Way	Tacoma
3	Leverling	Janet	Sales Representative	Ms.	1963-08-30 00:00:00.000	1992-04-01 00:00:00.000	722 Moss Bay Blvd.	Kirkland
4	Peacock	Margaret	Sales Representative	Mrs.	1937-09-19 00:00:00.000	1993-05-03 00:00:00.000	4110 Old Redmond Rd.	Redmond
5	Buchanan	Steven	Sales Manager	Mr.	1955-03-04 00:00:00.000	1993-10-17 00:00:00.000	14 Garrett Hill	London
6	Suyama	Michael	Sales Representative	Mr.	1963-07-02 00:00:00.000	1993-10-17 00:00:00.000	Coventry House Miner Rd.	London
7	King	Robert	Sales Representative	Mr.	1960-05-29 00:00:00.000	1994-01-02 00:00:00.000	Edgeham Hollow Winchester Way	London
8	Callahan	Laura	Inside Sales Coordinator	Ms.	1958-01-09 00:00:00.000	1994-03-05 00:00:00.000	4726 - 11th Ave. N.E.	Seattle
9	Dodsworth	Anne	Sales Representative	Ms.	1966-01-27 00:00:00.000	1994-11-15 00:00:00.000	7 Houndstooth Rd.	London

```

USE [Northwind]
GO
CREATE LOGIN [afuller] WITH PASSWORD=N'sql', DEFAULT_DATABASE=[Northwind],
DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=OFF, CHECK_POLICY=OFF
GO
CREATE USER [afuller] FOR LOGIN [afuller]
GO

GRANT SELECT ON EMPLOYEES TO afuller
GO

GRANT UPDATE ON EMPLOYEES TO afuller
GO

GRANT INSERT ON EMPLOYEES TO afuller
GO

GRANT DELETE ON EMPLOYEES TO afuller
GO

```

3. Janet Leverling (jleverling) y Margaret Peacock (mpeacock) son Vendedores Corporativos, reportan a Andrew Fuller, y deben registrar sus pedidos en el sistema; también pueden eventualmente eliminar pedidos ó corregir algún dato de los mismos.

```

USE [Northwind]
GO
CREATE LOGIN [jleverling] WITH PASSWORD=N'sql' MUST_CHANGE, DEFAULT_DATABASE=[Northwind], DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO

CREATE USER [jleverling] FOR LOGIN [jleverling]
GO


CREATE LOGIN [mpeacock] WITH PASSWORD=N'sql' MUST_CHANGE, DEFAULT_DATABASE=[Northwind], DEFAULT_LANGUAGE=[ESPAÑOL], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
USE [Northwind]
GO
CREATE USER [mpeacock] FOR LOGIN [mpeacock]
GO


GRANT INSERT ON ORDERS TO mpeacock
GO
GRANT DELETE ON ORDERS TO mpeacock
GO
GRANT UPDATE ON ORDERS TO mpeacock
GO


GRANT INSERT ON ORDERS TO jleverling
GO
GRANT DELETE ON ORDERS TO jleverling
GO
GRANT UPDATE ON ORDERS TO jleverling
GO


USE [Northwind]
GO
CREATE LOGIN [jleverling] WITH PASSWORD=N'sql' MUST_CHANGE, DEFAULT_DATABASE=[Northwind],
DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO

CREATE USER [jleverling] FOR LOGIN [jleverling]
GO


CREATE LOGIN [mpeacock] WITH PASSWORD=N'sql' MUST_CHANGE, DEFAULT_DATABASE=[Northwind],
DEFAULT_LANGUAGE=[ESPAÑOL], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
USE [Northwind]
GO
CREATE USER [mpeacock] FOR LOGIN [mpeacock]
GO


GRANT INSERT ON ORDERS TO mpeacock
GO
GRANT DELETE ON ORDERS TO mpeacock
GO
GRANT UPDATE ON ORDERS TO mpeacock
GO


GRANT INSERT ON ORDERS TO jleverling
GO
GRANT DELETE ON ORDERS TO jleverling
GO
GRANT UPDATE ON ORDERS TO jleverling
GO

```

4. Steve Buchanan (sbuchanan) es el Gerente de Ventas, y como tal se encarga de darle

mantenimiento al catálogo de productos de la empresa.

```
CREATE LOGIN [sbuchanan] WITH PASSWORD=N'' MUST_CHANGE, DEFAULT_DATABASE=[Northwind], DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
USE [Northwind]
GO
CREATE USER [sbuchanan] FOR LOGIN [sbuchanan]
GO

GRANT SELECT ON PRODUCTS TO sbuchanan
GO
GRANT UPDATE ON PRODUCTS TO sbuchanan
GO
GRANT INSERT ON PRODUCTS TO sbuchanan
GO
GRANT DELETE ON PRODUCTS TO sbuchanan
GO

CREATE LOGIN [sbuchanan] WITH PASSWORD=N'' MUST_CHANGE, DEFAULT_DATABASE=[Northwind],
DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
USE [Northwind]
GO
CREATE USER [sbuchanan] FOR LOGIN [sbuchanan]
GO

GRANT SELECT ON PRODUCTS TO sbuchanan
GO
GRANT UPDATE ON PRODUCTS TO sbuchanan

GO
GRANT INSERT ON PRODUCTS TO sbuchanan
GO
GRANT DELETE ON PRODUCTS TO sbuchanan
GO
```

5. Michael Suyama (msuyama), Robert King (rking), y Anne Dodsworth (adodsworth) son Vendedores Locales, reportan a Steve Buchanan, y deben registrar sus pedidos en el sistema. Una vez que han ingresado un pedido, pueden corregir algún dato, pero no pueden eliminarlo. Quien se encarga de eliminar algún pedido de los Vendedores Locales es el Gerente de Ventas. Los Vendedores Locales pueden registrar a sus clientes nuevos, y modificar los datos de algún cliente, pero no pueden eliminarlos del sistema.

```

USE [Northwind]
GO
CREATE LOGIN [msuyama] WITH PASSWORD=N'' MUST_CHANGE, DEFAULT_DATABASE=[Northwind], DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
CREATE USER [msuyama] FOR LOGIN [msuyama]
GO

CREATE LOGIN [rking] WITH PASSWORD=N'' MUST_CHANGE, DEFAULT_DATABASE=[Northwind], DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
CREATE USER [rking] FOR LOGIN [rking]
GO

CREATE LOGIN [adodsworth] WITH PASSWORD=N'' MUST_CHANGE, DEFAULT_DATABASE=[Northwind], DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
CREATE USER [adodsworth] FOR LOGIN [adodsworth]
GO

--GRANT UPDATE ON ORDERS TO [msuyama]
--GRANT UPDATE ON ORDERS TO [adodsworth]
--GRANT UPDATE ON ORDERS TO [rking]
GO

GRANT SELECT ON ORDERS TO [sbuchanan]
GO
GRANT UPDATE ON ORDERS TO [sbuchanan]
GO
GRANT DELETE ON ORDERS TO [sbuchanan]
GO

--GRANT INSERT ON CUSTOMERS TO [msuyama]
--GRANT INSERT ON CUSTOMERS TO [adodsworth]
--GRANT INSERT ON CUSTOMERS TO [rking]
GO

--GRANT UPDATE ON CUSTOMERS TO [msuyama]
--GRANT UPDATE ON CUSTOMERS TO [adodsworth]
--GRANT UPDATE ON CUSTOMERS TO [rking]
GO

```

```

USE [Northwind]
GO
CREATE LOGIN [msuyama] WITH PASSWORD=N'' MUST_CHANGE, DEFAULT_DATABASE=[Northwind],
DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
CREATE USER [msuyama] FOR LOGIN [msuyama]
GO

CREATE LOGIN [rking] WITH PASSWORD=N'' MUST_CHANGE, DEFAULT_DATABASE=[Northwind],
DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
CREATE USER [rking] FOR LOGIN [rking]
GO

CREATE LOGIN [adodsworth] WITH PASSWORD=N'' MUST_CHANGE, DEFAULT_DATABASE=[Northwind],
DEFAULT_LANGUAGE=[Español], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
CREATE USER [adodsworth] FOR LOGIN [adodsworth]
GO

GRANT UPDATE ON ORDERS TO [msuyama]
GRANT UPDATE ON ORDERS TO [adodsworth]
GRANT UPDATE ON ORDERS TO [rking]
GO

GRANT SELECT ON ORDERS TO [sbuchanan]
GO
GRANT UPDATE ON ORDERS TO [sbuchanan]
GO
GRANT DELETE ON ORDERS TO [sbuchanan]
GO

GRANT INSERT ON CUSTOMERS TO [msuyama]

```

```
GRANT INSERT ON CUSTOMERS TO [adodsworth]
GRANT INSERT ON CUSTOMERS TO [rking]
GO
```

```
GRANT UPDATE ON CUSTOMERS TO [msuyama]
GRANT UPDATE ON CUSTOMERS TO [adodsworth]
GRANT UPDATE ON CUSTOMERS TO [rking]
GO
```

6. Laura Callahan (lcallahan) es la Administradora Interna y se encarga de la gestión de las ventas en la tienda. Ella también le da mantenimiento al catálogo de productos de la empresa. También es responsable del mantenimiento del registro de transportistas.

```
USE [Northwind]
GO
CREATE LOGIN [lcallahan] WITH PASSWORD=N'' MUST_CHANGE, DEFAULT_DATABASE=[Northwind], DEFAULT_LANGUAGE=[ESPAÑOL], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO

CREATE USER [lcallahan] FOR LOGIN [lcallahan]
GO

GRANT SELECT ON SHIPPERS TO [lcallahan]
GO
GRANT UPDATE ON SHIPPERS TO [lcallahan]
GO
GRANT INSERT ON SHIPPERS TO [lcallahan]
GO
GRANT DELETE ON SHIPPERS TO [lcallahan]
GO
```

```
USE [Northwind]
GO
CREATE LOGIN [lcallahan] WITH PASSWORD=N'' MUST_CHANGE, DEFAULT_DATABASE=[Northwind],
DEFAULT_LANGUAGE=[ESPAÑOL], CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO

CREATE USER [lcallahan] FOR LOGIN [lcallahan]
GO
```

```
GRANT SELECT ON SHIPPERS TO [lcallahan]
GO
GRANT UPDATE ON SHIPPERS TO [lcallahan]

GO
GRANT INSERT ON SHIPPERS TO [lcallahan]
GO
GRANT DELETE ON SHIPPERS TO [lcallahan]
GO
```

7. Ursula Pérez (uperez), George Smith (gsmith), Peter Vannels (pvannels), y Peter Martinez

(pmartinez) son Vendedores de Tienda. Ellos necesitan registrar sus pedidos en el sistema.  
También pueden eliminar pedidos ó corregir datos del pedido.