

5075. Big Data aplicado - 1ª Evaluación (RA 1 – CE b)

Unidad Didáctica 1. Estrategias de ingestión y almacenamiento de datos en Big Data

Práctica 6. Practicando la ingesta de datos en Batch.

Paso 1. Instalamos y configuramos MySQL.

```
hadoop@hadoop-virtualbox:~$ sudo apt update
Obj:1 http://security.ubuntu.com/ubuntu noble-security InRelease
Obj:2 http://archive.ubuntu.com/ubuntu noble InRelease
Obj:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Obj:4 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se pueden actualizar 2 paquetes. Ejecute «apt list --upgradable» para verlos.
hadoop@hadoop-virtualbox:~$
hadoop@hadoop-virtualbox:~$ sudo apt install mysql-server
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
```

```
Addoop@hadoop-virtualbox:~$ sudo mysql_secure_installation utility

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.

VALIDATE PASSWORD COMPONENT can be used to test passwords and improve security. It checks the strength of password and allows the users to set only those passwords which are secure enough. Would you like to setup VALIDATE PASSWORD component?

Press y|Y for Yes, any other key for No: y

There are three levels of password validation policy:

LOW Length >= 8, numeric, mixed case, and special characters

STRONG Length >= 8, numeric, mixed case, special characters and dictionary file

Please enter 0 = LOW, 1 = MEDIUM and 2 = STRONG: 0

Skipping password set for root as authentication with auth_socket is used by default.

If you would like to use password authentication instead, this can be done with the "ALTER_USER" command.

See https://dev.mysql.com/doc/refman/8.0/en/alter-user.html#alter-user-password-management for more information.

By default, a MySQL installation has an anonymous user,
allowing anyone to log into MySQL without having to have
a user account created for them. This is intended only for
testing, and to make the installation go a bit smoother.

You should remove them before moving into a production
environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) : y
Success.
```

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```
Normally, root should only be allowed to connect from
'localhost'. This ensures that someone cannot guess at
the root password from the network.
Disallow root login remotely? (Press y|Y for Yes, any other key for No) : y
Success.
By default, MySQL comes with a database named 'test' that
anyone can access. This is also intended only for testing,
and should be removed before moving into a production
environment.
Remove test database and access to it? (Press y|Y for Yes, any other key for No) : y
- Dropping test database...
Success.
- Removing privileges on test database...
Success.
Reloading the privilege tables will ensure that all changes
made so far will take effect immediately.
Reload privilege tables now? (Press y\midY for Yes, any other key for No) : y
Success.
All done!
hadoop@hadoop-virtualbox:~$
```

Actualmente podemos seguir accediendo al sistema como root utilizando el comando sudo. Si queremos definir una contraseña de root para localhost haremos:

```
hadoop@hadoop-virtualbox:~$ sudo mysql -u root
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 24
Server version: 8.0.39-0ubuntu0.24.04.2 (Ubuntu)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'hadoopHadoop'; Query OK, 0 rows affected (0,00 sec)

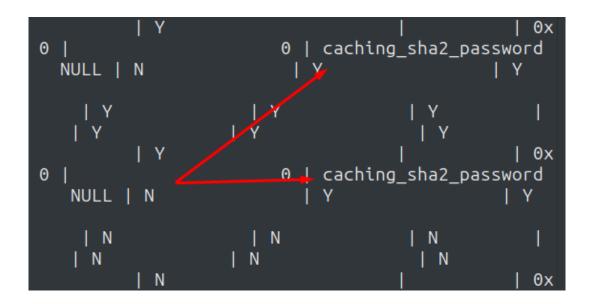
mysql> FLUSH PRIVILEGES; Query OK, 0 rows affected (0,01 sec)

mysql> EXIT; Bye
```

Hemos indicado que queremos utilizar el plugin de autenticación "mysql_native_password" (antiguas versiones). Esto lo hemos hecho dado que está habilitado "auth_socket", utilizando el usuario de sistema para autenticarse.



Otra opción, utilizada actualmente, es "caching_sha2_password" como plugin de autenticación.



Si queremos utilizar el plugin "auth_socket" (solo conexiones locales) para usuarios del sistema utilizaremos la directiva: CREATE USER 'user1'@'localhost' IDENTIFIED WITH auth_socket;

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```
hadoop@hadoop-virtualbox:~$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 25
Server version: 8.0.39-0ubuntu0.24.04.2 (Ubuntu)
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```

Además de lo anterior, si queremos añadir el acceso, desde cualquier ip, como root al sistema, introduciremos los comandos:

```
mysql> CREATE USER 'root'@'%' IDENTIFIED BY 'hadoopHadoop';
Query OK, 0 rows affected (0,02 sec)

mysql> GRANT ALL PRIVILEGES ON *.* TO 'root'@'%' WITH GRANT OPTION;
Query OK, 0 rows affected (0,01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0,00 sec)
```

Con el usuario creado, vamos a ver la dirección de enlace usando "netstat" para comprobar que puede conectar correctamente:

```
hadoop@hadoop-virtualbox:~$ netstat -atunpo
(No todos los procesos pueden ser identificados, no hay información de propied
no se mostrarán, necesita ser superusuario para verlos todos.)
Conexiones activas de Internet (servidores y establecidos)
Proto Recib Enviad Dirección local
                                          Dirección remota
                                                                 Estado
tcp
               0 127.0.0.54:53
                                          0.0.0.0:*
                                                                  ESCUCHAR
          0
                 0 127.0.0.1:3306
                                          0.0.0.0:*
                                                                  ESCUCHAR
tcp
          0
               0 127.0.0.53:53
                                                                  ESCUCHAR
tcp
                                          0.0.0.0:*
```

```
hadoop@hadoop-virtualbox:~$
hadoop@hadoop-virtualbox:~$ sudo nano /etc/mysql/mysql.conf.d/mysqld.cnf
hadoop@hadoop-virtualbox:~$
```

```
# Instead of skip-networking the default
# localhost which is more compatible and
bind-address = 0.0.0.0
mysqlx-bind-address = 0.0.0.0
```

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```
hadoop@hadoop-virtualbox:~$ sudo systemctl restart mysql
hadoop@hadoop-virtualbox:~$
hadoop@hadoop-virtualbox:~$ sudo systemctl status mysql

■ mysql.service - MySQL Community Server

Loaded: loaded (/usr/lib/systemd/system/mysql.service; enabled; preset: enabled)
Active: active (running) since Fri 2024-08-30 21:18:41 CEST; 6s ago
Process: 3924 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=exited, status=0/SUCCESS)
Main PID: 3933 (mysqld)
Status: "Server is operational"
Tasks: 38 (limit: 6838)
Memory: 365.5M (peak: 379.7M)
CPU: 541ms
CGroup: /system.slice/mysql.service
___3933 /usr/sbin/mysqld

ago 30 21:18:40 hadoop-virtualbox systemd[1]: Starting mysql.service - MySQL Community Server...
ago 30 21:18:41 hadoop-virtualbox systemd[1]: Started mysql.service - MySQL Community Server...
hadoop@hadoop-virtualbox:~$
```

```
ricardo@ricardo-virtualbox:~$
ricardo@ricardo-virtualbox:~$ mysql -u root -h 192.168.0.20 -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.39-0ubuntu0.24.04.2 (Ubuntu)
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affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql>
nysql>
mysql> exit
Bye
ricardo@ricardo-virtualbox:~$
```

Paso 2. Creamos la base de datos.

Descargaremos el fichero SQL de la dirección https://raw.githubusercontent.com/ricardomariscalquintero/bda/main/OnlineRetail.sql



```
DROP DATABASE IF EXISTS onlineretail;
CREATE DATABASE IF NOT EXISTS onlineretail;
USE onlineretail:
CREATE TABLE ventas (
        `id` int AUTO INCREMENT NOT NULL,
        'pedido' varchar(7),
        `codigoStock` varchar(12),
        `descripcion` varchar(35),
        `cantidad` integer,
        `fecha` date,
        `hora` time,
        `precioUnitario` numeric(9,3),
        `idCliente` integer,
        `pais` varchar(20),
        primary key(`id`)
CREATE USER 'retail'@'%' IDENTIFIED BY 'retailRetail123';
GRANT ALL ON onlineretail.* TO 'retail'@'%';
FLUSH PRIVILEGES;
```

Comprobamos las variables globales de validación de las contraseñas:

```
mysql> SHOW VARIABLES LIKE 'validate password%';
 Variable name
                                                  | Value
 validate password.changed characters percentage | 0
 validate_password.check_user_name
                                                    ON
 validate_password.dictionary_file
 validate password.length
                                                    8
 validate password.mixed case count
 validate_password.number_count
                                                    1
 validate password.policy
                                                    MEDIUM
 validate_password.special_char_count
                                                    1
8 rows in set (0,00 sec)
```

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```
mysql> SET GLOBAL validate_password.policy=LOW;
Query OK, 0 rows affected (0,00 sec)
Variable name
                                              | Value
 validate_password.changed_characters_percentage |
 validate password.check user name
                                               ON
 validate password.dictionary file
 validate_password.length
                                               8
 validate password.mixed case count
                                               1
 validate_password.number_count
 validate_password.policy
                                               LOW
 validate password.special char count
8 rows in set (0,01 sec)
```

La explicación de lo anterior es que, aunque tras la instalación seleccionamos un nivel bajo de seguridad, como hemos reiniciado se volvió a configurar a nivel medio. Para evitar esto deberíamos de añadir, directamente a la configuración (/etc/mysql/mysql.conf.d/mysql.cnf) la directiva asociada.

```
hadoop@hadoop-virtualbox:~$ mysql -u root -p < OnlineRetail.sql
Enter password:
hadoop@hadoop-virtualbox:~$</pre>
```

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		++		+		+	++
id pedido codigoStock ++	descripcion				precioUnitario		
2 536365 71053 3 536365 844068 4 536365 84029G 5 536365 84029E	WHITE HANGING HEART T-LIGHT HOLDER WHITE METAL LANTERN CREAM CUPID HEARTS COAT HANGER KNITTED UNION FLAG HOT WATER BOTTLE RED WOOLLY HOTTIE WHITE HEART.	6 8 6 6	2010-12-01 2010-12-01 2010-12-01 2010-12-01 2010-12-01	08:26:00 08:26:00 08:26:00 08:26:00	3.390 2.750 3.390 3.390	17850 17850 17850 17850	United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom
5 rows in set (0,00 sec)				+		+	++

Paso 3. Descargamos e instalamos la librería necesaria.

Para descargar el conector de Java nos iremos a la dirección https://ftp.ntu.edu.tw/MySQL/Downloads/Connector-J/

mysql-connector-java-8.0.28.tar.gz.md5	16-Dec-2021	00:49	69
mysql-connector-java-8.0.28.zip	15-Dec-2021	23:25	5020078
mysgl-connector-java-8.0.28.zip.asc	16-Dec-2021	01:18	833
mysql-connector-java-8.0.28.zip.md5	16-Dec-2021	00:49	66
mysgl-connector-java-8.0.29-1.el6.noarch.rpm	11-Mar-2022	09:53	2491736
mysql-connector-java-8.0.29-1.el6.src.rpm	11-Mar-2022	09:53	4248045
mysql-connector-java-8.0.29-1.el7.noarch.rpm	11-Mar-2022	09:53	2482212
mysql-connector-java-8.0.29-1.el7.src.rpm	11-Mar-2022	09:53	4248060
mysql-connector-java-8.0.29-1.el8.noarch.rpm	11-Mar-2022	09:53	2492604
mysql-connector-java-8.0.29-1.el8.src.rpm	11-Mar-2022	09:53	4251213
mysql-connector-java-8.0.29-1.fc34.noarch.rpm	11-Mar-2022	09:53	2466050
mysql-connector-java-8.0.29-1.fc34.src.rpm	11-Mar-2022	09:53	4251289
mysql-connector-java-8.0.29-1.fc35.noarch.rpm	11-Mar-2022	09:53	2465983
mysql-connector-java-8.0.29-1.fc35.src.rpm	11-Mar-2022	09:53	4251276
mysql-connector-java-8.0.29-1.sl15.noarch.rpm	11-Mar-2022	09:53	2476240
<pre>mysql-connector-java-8.0.29-1.sl15.src.rpm</pre>	11-Mar-2022	09:53	4251143
<pre>mysql-connector-java-8.0.29-1.sles12.noarch.rpm</pre>	11-Mar-2022	09:53	2472092
<pre>mysql-connector-java-8.0.29-1.sles12.src.rpm</pre>	11-Mar-2022	09:53	4247941
<pre>mysql-connector-java-8.0.29.tar.gz</pre>	08-Mar-2022	18:21	4273713
mysql-connector-java-8.0.29.tar.gz.ast	11-Mar-2022	10:29	833
mysql-connector-java-8.0.29.tar.gz.md5	11-Mar-2022	09:48	69
mysql-connector-java-8.0.29.zip	08-Mar-2022	18:21	5100429
mysql-connector-java-8.0.29.zip.asc	11-Mar-2022	10:29	833
<pre>mysql-connector-java-8.0.29.zip.md5</pre>	11-Mar-2022	09:48	66
	-		

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Copiamos el driver dentro del directorio de NiFi.

```
hadoop@hadoop-virtualbox:~$
hadoop@hadoop-virtualbox:~$ mkdir /opt/nifi/drivers
hadoop@hadoop-virtualbox:~$
```

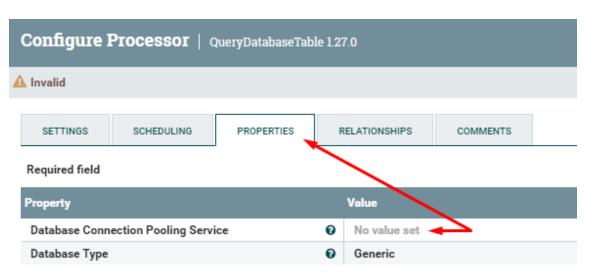
```
hadoop@hadoop-virtualbox:~$ tar -xvzf mysql-connector-java-8.0.29.tar.gz
mysql-connector-java-8.0.29/
mysql-connector-java-8.0.29/src/
mysql-connector-java-8.0.29/src/build/
mysql-connector-java-8.0.29/src/build/java/
mysql-connector-java-8.0.29/src/build/java/documentation/
```

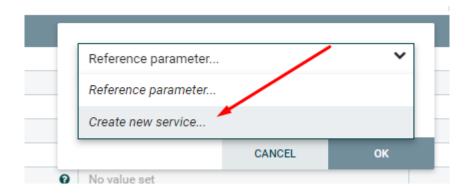
```
hadoop@hadoop-virtualbox:~$ cp mysql-connector-java-8.0.29/mysql-connector-java-8.0.29.jar /opt/nifi/drivers/hadoop@hadoop-virtualbox:~$ hadoop@hadoop-virtualbox:~$ ls -lart /opt/nifi/drivers/total 2472 drwxrwxr-x 16 hadoop hadoop 4096 ago 30 21:59 .. drwxrwxr-x 2 hadoop hadoop 4096 ago 30 22:01 .
-rw-r---- 1 hadoop hadoop 2519547 ago 30 22:01 mysql-connector-java-8.0.29.jar hadoop@hadoop-virtualbox:~$
```

Paso 4. Accedemos a la interfaz de NiFi y damos de alta el proceso para consultar la base de datos creada.

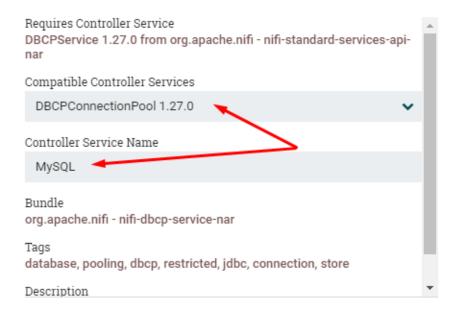
Displaying 2 of 360		querydat	
Type _	Version	Tags	
QueryDatabaseTable	1.27.0	database, select, query, jdbc, sql	
QueryDatabaseTableRecord	1.27.0	database, select, query, record, j	







Add Controller Service



CANCEL

CREATE

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Processor Configuration

Save changes before going to this Controller Service?



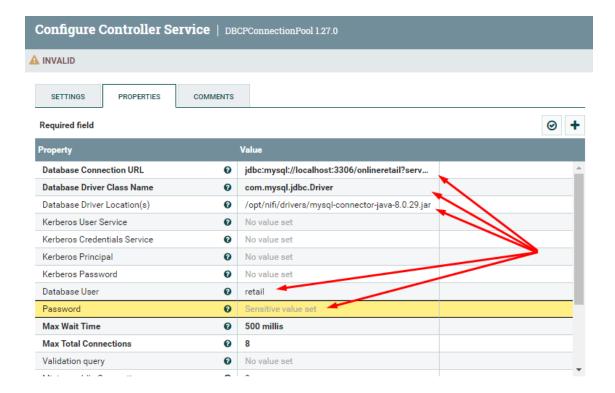




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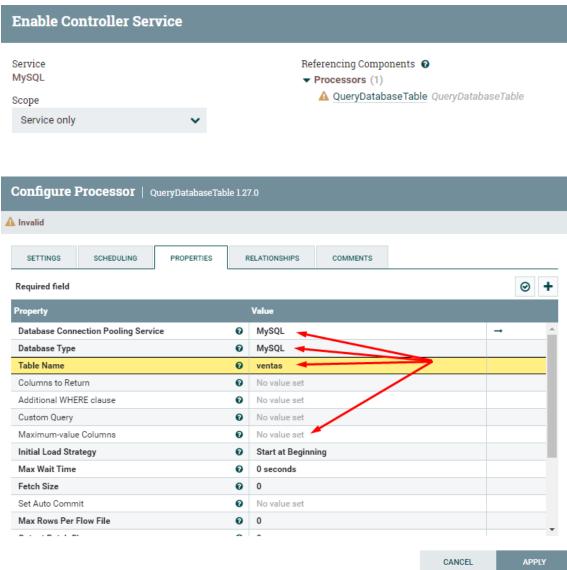












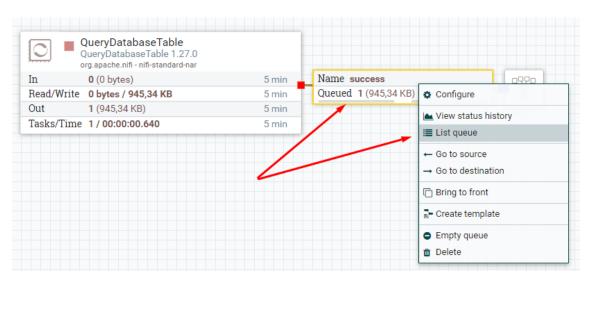
El campo "Maximum-value Columns" es muy importante. Esto es debido a que es la columna que tomará de referencia como delta. De esta manera, cuando realice una ingesta, la siguiente vez que lo haga la realizará a partir del máximo valor guardado.

El motivo por el que lo hemos dejado en blanco es para que realice la ingesta infinitas veces.





Paso 5. Comprobamos el acceso a la tabla de ventas.



success

Displaying 1 of 1 (945.34 KB)

	Position	UUID	Filename	File Size
0	1	62f1edd8-0f0f-4b6d-a84d-f806b091dacb	62f1edd8-0f0f-4b6d-a84d-f806b091dacb	945.34 KB

The destination of this queue is currently running. This listing may no longer be accurate.

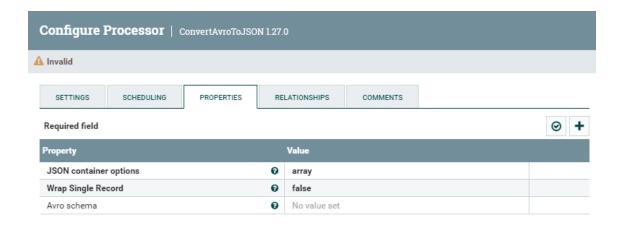


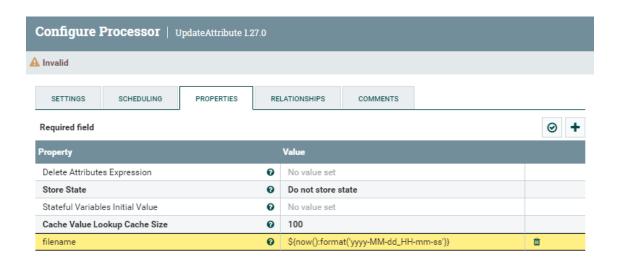
Al visualizar los datos, teniendo en cuenta que el formato de salida es Avro, vamos a poder ver, además de los datos, el esquema de los mismos.



Paso 6. Convertimos la salida en JSON y la escribimos en disco.

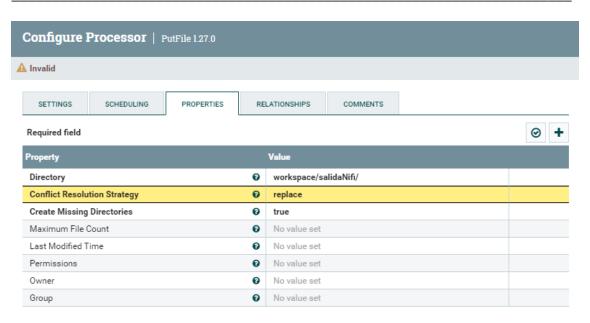
Displaying 7 of 360		Convert
Type ▲	V	Tags
ConvertAvroToJSON	1.27.0	json, convert, avro
ConvertAvroToParquet	1.27.0	convert, avro, parquet
ConvertCharacterSet	1.27.0	characterset, character set, text
ConvertExcelToCSVProcessor	1.27.0	excel, csv, poi
ConvertJSONToSQL	1.27.0	database, rdbms, flat, json, inse
ConvertRecord	1.27.0	schema, log, record, csv, freefor
LookupRecord	1.27.0	filter, lookup, enrichment, datab

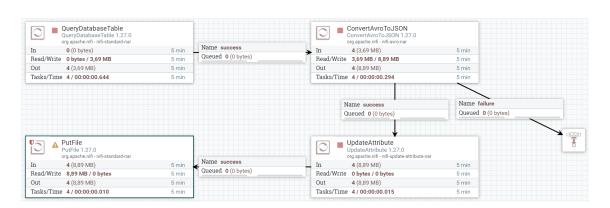




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NiFi Data Provenance

Displaying 20 of 20 Oldest event available: 08/29/2024 03:07:23 CEST Filter by component name 08/31/2024 00:52:56.509 CEST
 08/31/2024 00:52:56.508 CEST SEND b72c6409-9a89-4742-9fd2-c712fdaa45ad 2.22 MB PutFile 08/31/2024 00:52:36.416 CEST DROF fd7abab8-ea84-4645-b35d-b3dc78e6ca5e 2,22 MB PutFile fd7abab8-ea84-4645-b35d-b3dc78e6ca5e 08/31/2024 00:52:16.308 CEST DROF 7902dace-a362-4f22-9da0-ac3e1eee08a3

```
hadoop@hadoop-virtualbox:~$ ls -latrh workspace/salidaNifi/
total 9,0M
drwxrwxr-x 4 hadoop hadoop 4,0K ago 29 02:38 ..
-rw-rw-r-- 1 hadoop hadoop 2,3M ago 31 00:51 2024-08-31_00-51-36
-rw-rw-r-- 1 hadoop hadoop 2,3M ago 31 00:51 2024-08-31_00-51-56
-rw-rw-r-- 1 hadoop hadoop 2,3M ago 31 00:52 2024-08-31_00-52-16
-rw-rw-r-- 1 hadoop hadoop 2,3M ago 31 00:52 2024-08-31_00-52-36
drwxrwxr-x 2 hadoop hadoop 4,0K ago 31 00:52 .
hadoop@hadoop-virtualbox:~$
```

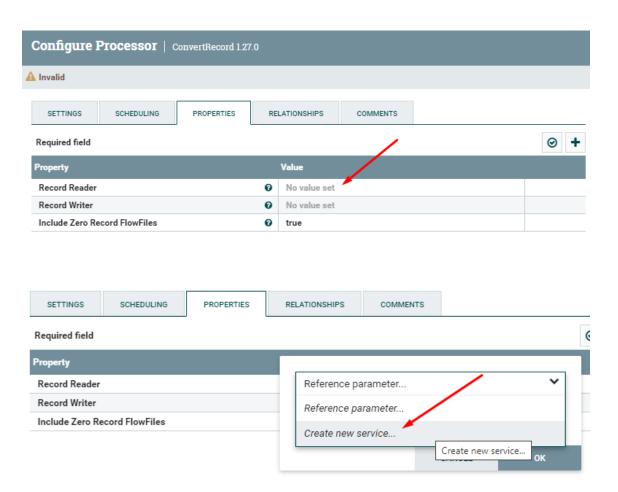
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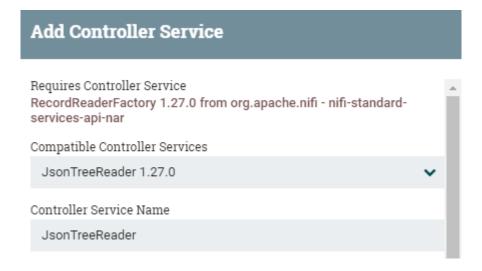
[{"id": 1, "pedido": "536365", "codigoStock": "85123A", "descripcion": "WHITE HANGING HEART T-LIGHT HOLDER", "cantidad": ioUnitario": "2.550", "idCliente": 17850, "pais": "United Kingdom"},{"id": 2, "pedido": "536365", "codigoStock": "71053" 6, "fecha": "2010-12-01", "hora": "08:26:00", "precioUnitario": "3.390", "idCliente": 17850, "pais": "United Kingdom"}, "descripcion": "CREAM CUPID HEARTS COAT HANGER", "cantidad": 8, "fecha": "2010-12-01", "hora": "08:26:00", "precioUnit Kingdom"},{"id": 4, "pedido": "536365", "codigoStock": "84029G", "descripcion": "KNITTED UNION FLAG HOT WATER BOTTLE", "00", "precioUnitario": "3.390", "idCliente": 17850, "pais": "United Kingdom"},{"id": 5, "pedido": "536365", "codigoStock HEART.", "cantidad": 6, "fecha": "2010-12-01", "hora": "08:26:00", "precioUnitario": "3.390", "idCliente": 17850, "pais codigoStock": "22752", "descripcion": "5ET 7 BABUSHKA NESTING BOXES", "cantidad": 2, "fecha": "2010-12-01", "hora": "08:26:00", "pais": "United Kingdom"},{"id": 17, "pedido": "536365", "codigoStock": "21730", "descripcion": "GLASS STAR FROSTED T-"hora": "08:26:00", "precioUnitario": "4.250", "idCliente": 17850, "pais": "United Kingdom"},{"id": 8, "pedido": "536366", "codigoStock": "22732", "descripcion": "GLASS STAR FROSTED T-"hora": "08:26:00", "precioUnitario": "1.850", "idCliente": 17850, "pais": "United Kingdom"},{"id": 10, "pedido": "536366", "codigoStock": "2632", "descripcion": "GLASS STAR FROSTED T-"hora": "08:28:00", "precioUnitario": "1.850", "idCliente": 17850, "pais": "United Kingdom"},{"id": 10, "pedido": "53636", "codigoStock": "44.250", "idCliente": 17850, "pais": "United Kingdom"},{"id": 11, "pedido": "53636", "codigoStock": "44.250", "idCliente": 17850, "pais": "United Kingdom"},"id": 11, "pedido": "53636", "codigoStock": "44.250", "precioUnitario": "1.690", "idCliente": "1.850", "idCliente": "1.

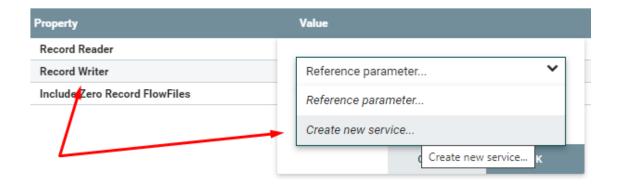
Paso 7. Convertimos la salida en CSV y la escribimos en disco.













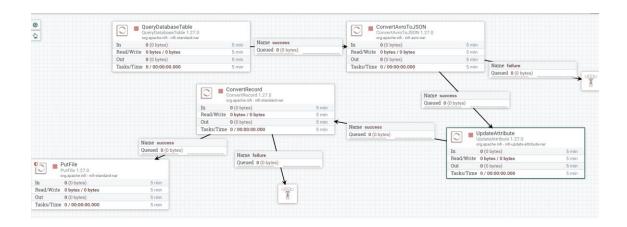


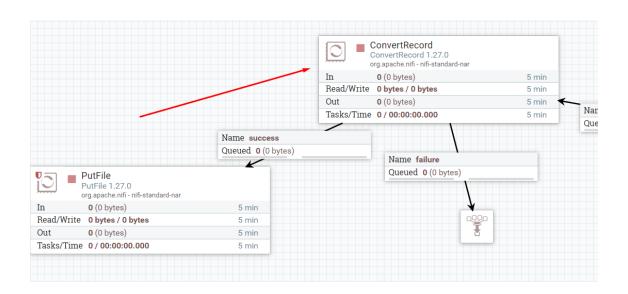
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Name A	Туре
CSVRecordSetWriter	CSVRecordSetWriter 1.27.0
JsonTreeReader	JsonTreeReader 1.27.0
MySQL	DBCPConnectionPool 1.27.0

State	Scope	
↑ Disabled	NiFi Flow	☆ 9 🛈
Disabled	NiFi Flow	* 7 m
Enabled	NiFi Flow	* *





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```
hadoop@hadoop-virtualbox:~$ ls -lart workspace/salidaNifi/
total 3656
drwxrwxr-x 4 hadoop hadoop 4096 ago 29 02:38 ..
-rw-rw-r-- 1 hadoop hadoop 932582 ago 31 01:06 2024-08-31_01-06-58.csv
-rw-rw-r-- 1 hadoop hadoop 932582 ago 31 01:07 2024-08-31_01-07-11.csv
-rw-rw-r-- 1 hadoop hadoop 932582 ago 31 01:07 2024-08-31_01-07-31.csv
-rw-rw-r-- 1 hadoop hadoop 932582 ago 31 01:07 2024-08-31_01-07-51.csv
drwxrwxr-x 2 hadoop hadoop 4096 ago 31 01:07 .
hadoop@hadoop-virtualbox:~$
```

id,pedido,codigoStock,descripcion,cantidad,fecha,hora,precioUnitario,idCliente,pais
1,536365,85123A,WHITE HANGING HEART T-LIGHT HOLDER,6,2010-12-01,08:26:00,2.550,17850,United Kingdom
2,536365,71053,WHITE METAL LANTERN,6,2010-12-01,08:26:00,3.390,17850,United Kingdom
3,536365,84406B,CREAM CUPID HEARTS COAT HANGER,8,2010-12-01,08:26:00,2.750,17850,United Kingdom
4,536365,84029E,KNITTED UNION FLAG HOT WATER BOTTLE,6,2010-12-01,08:26:00,3.390,17850,United Kingdom
5,536365,84029E,RED WOOLLY HOTTIE WHITE HEART.,6,2010-12-01,08:26:00,3.390,17850,United Kingdom
6,536365,22752,SET 7 BABUSHKA NESTING BOXES,2,2010-12-01,08:26:00,7.650,17850,United Kingdom
6,536365,21739,GLASS STAR FROSTED T-LIGHT HOLDER,6,2010-12-01,08:26:00,7.650,17850,United Kingdom
8,536366,22633,HAND WARMER UNION JACK,6,2010-12-01,08:28:00,1.850,17850,United Kingdom
8,536366,22632,HAND WARMER RED POLKA DOT,6,2010-12-01,08:28:00,1.850,17850,United Kingdom
10,536367,84879,ASSORTED COLOUR BIRD ORNAMENT,32,2010-12-01,08:34:00,1.690,13047,United Kingdom
11,536367,22748,POPPY'S PLAYHOUSE KITCHEN,6,2010-12-01,08:34:00,1.690,13047,United Kingdom
12,536367,22748,POPPY'S PLAYHOUSE KITCHEN,6,2010-12-01,08:34:00,2.100,13047,United Kingdom
13,536367,22749,FELTCRAFT PRINCESS CHARLOTTE DOLL,8,2010-12-01,08:34:00,3.750,13047,United Kingdom
14,536367,22310,IVORY KNITTED MUG COSY,6,2010-12-01,08:34:00,3.750,13047,United Kingdom
15,536367,22623,BOX OF VINTAGE JIGSAW BLOCKS,3,2010-12-01,08:34:00,4.950,13047,United Kingdom
17,536367,22623,BOX OF VINTAGE JIGSAW BLOCKS,3,2010-12-01,08:34:00,5.950,13047,United Kingdom
17,536367,21754,HOME BUILDING BLOCK WORD,3,2010-12-01,08:34:00,5.950,13047,United Kingdom
17,536367,21754,HOME BUILDING BLOCK WORD,3,2010-12-01,08:34:00,5.950,13047,United Kingdom
17,536367,21755,LOVE BUILDING BLOCK WORD,3,2010-12-01,08:34:00,5.950,13047,United Kingdom
22,536368,22913,RED COAT RACK PARIS FASHION,3,2010-12-01,08:34:00,4.950,13047,United Kingdom
23,536368,22914,BLUE COAT RACK PARIS FASHION,3,2010-12-01,08:34:00,4.950,13047,United Kingdom
24,5363