

Target:

- Create DB
- Create table
- Create file format to load data
- Data loading wizard from local file into db

The screenshot shows the 'Create File Format' dialog box. The 'Field optionally enclosed by' dropdown is highlighted with a pink box and is set to 'None'. Other settings include: Name (empty), Schema Name (PUBLIC), Format Type (CSV), Compression Method (Auto), Column separator (Comma), Row separator (New Line), Header lines to skip (0), and Null String (\N). There is a checkbox for 'Trim space before and after' which is unchecked. Buttons at the bottom include 'Show SQL', 'Cancel', and 'Finish'.

Sometimes a data file has values that contain quotes, apostrophes and/or commas. For example:

- Bob's Burgers
- Snodgrass, Williams, & Moore Esq.
- James "Jimbo" Calhoun

These can cause problems when ingesting data. For that reason, some files will be formatted so that fields that have string values are enclosed.

The screenshot shows the 'Create File Format' dialog box. The 'Field optionally enclosed by' dropdown is highlighted with an orange box and is set to 'None'. The 'Null String' dropdown is also highlighted with an orange box and is set to 'None'. Other settings are the same as in the previous screenshot. Buttons at the bottom include 'Show SQL', 'Cancel', and 'Finish'.

If the field values are enclosed by **DOUBLE QUOTES** the values would be changed to:

- "Bob's Burgers"
- "Snodgrass, Williams, & Moore Esq."
- "James "Jimbo" Calhoun"

If the field values are enclosed by **SINGLE QUOTES** the values would be changed to:

- 'Bob's Burgers'
- 'Snodgrass, Williams, & Moore Esq.'
- 'James "Jimbo" Calhoun'

Create File Format

Name*

Schema Name: PUBLIC

Format Type: CSV

Compression Method: Auto

Column separator: Comma

Row separator: New Line

Header lines to skip: 0

Field optionally enclosed by: None

Null String: None

☐ Trim space before and after

Show SQL Cancel Finish

In the case of the USDA, rather than using single quotes or double quotes, they opted to use tildes.

- ~Bob's Burgers~
- ~Snodgrass, Williams, & Moore Esq.~
- ~James "Jimbo" Calhoun~

Since Snowflake does not yet allow customization of the [Field optionally enclosed by] control character, we can leave the option set to [None], ingest the tildes and deal with them later.



Databases > USDA_NUTRIENT_STDREF

Tables

Views

Schemas

Stages

File Formats

Sequences

+ Create... + Create Like... Clone... Load Data... Drop... Transfer Ownership

Table Name	Schema	Creation Time	Owner	Rows	Size	Comments
FD_GROUP_INGEST	PUBLIC	1/31/19 8:13:57 AM	SYSADMIN	25	1.5KB	Table with
FD_GROUP	PUBLIC	1/31/19 7:52:03 AM	SYSADMIN			USDA Nu

Create File Format

Name*

Schema Name: PUBLIC

Format Type: CSV

Compression Method: Auto

Column separator: Comma

Row separator: New Line

Header lines to skip: 0

Field optionally enclosed by: None

Null String: \N

☐ Trim space before and after

Show SQL Cancel Finish

Databases > USDA_NUTRIENT_STDREF

Tables

Views

Schemas

Stages

File Formats

Sequences

+ Create... Clone... Edit... Drop... Transfer Ownership

After navigating to the File Formats tab within your database, click the create button.

Notice that there are additional file format properties you have to scroll down to see.

Lesson 5- Part B: E-Learning

Databases > USDA_NUTRIENT_STDREF

Tables Views Schemas Stages File Formats Sequences

+ Create... Clone... Edit... Drop... Transfer Ownership

You won't need all the properties for all File Formats, but it's good to know they are available and where to find them.

These properties are only visible if you scroll down.

Create File Format

Header lines to skip

0

Field optionally enclosed by

None

Null String

\N

☐ Trim space before and after

☒ Error on Column Count Mismatch

Escape Character

None

Escape Unenclosed Field

Backslash

Date Format

Auto

Timestamp Format

Auto

Comment

Show SQL

Cancel

Finish

Databases > USDA_NUTRIENT_STDREF

Tables Views Schemas Stages File Formats Sequences Pipes

+ Create... Create Like... Clone... Load Data... Drop... Transfer Ownership

Table Name	Schema	Creation Time ▼	Owner	Rows
FD_GROUP_INGEST	PUBLIC	10:11:20 PM	SYSADMIN	

FD_GROUP_INGEST

+ Grant Privileges

Load Results

Loaded	File	Rows Parsed	Rows Loaded
✓	FD_GROUP.txt	25	25

```
1 SELECT FDGRP_DESC FROM "USDA_NUTRIENT_STDREF"."PUBLIC"."FD_GROUP_INGEST"  
2 WHERE FDGRP_DESC LIKE '%Food%';
```

Results Data Preview

✓ Query ID SQL 569ms 4 rows



Copy

Row	FDGRP_DESC
1	~Baby Foods~
2	~Fast Foods~
3	~American Indian/Alaska Native Foods~
4	~Restaurant Foods~