

Loading Data

Objective(s)

At the end of this lab you will be able to:

- Read data from a CSV file and load it into database

Exercise

When loading data from a CSV file you need to ensure the data in the dataset maps to the current datatype and format in the database. One area that can be particularly problematic is DATES, TIMES, and TIMESTAMPS because their formats can vary significantly. In case the database does not automatically recognize the datatype or format correctly, or the default setting does not match, you will need to manually correct it before loading otherwise you may see an error like the one below when you try to LOAD.

Load details

My computer
Chicago_Crime_Data-v2.csv

Target
QWOTB08LCHICAGO_CRIME_DATA

View Table

Load More Data

Status

Settings

533
Rows read

0
Rows loaded

533
Rows rejected

03/15/2025 4:25:43 PM

03/15/2025 4:25:46 PM

The data load job completed with errors.

To investigate, click the Errors tab or load log.

Errors

Warnings

DB08: The syntax of the string representation of a datetime value is incorrect. SQL Error: 12028 (More info)
Number of occurrences: 533

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In order to prevent such errors when loading data, in the D2L console you can preview the datatypes and format of the automatically identified values with the values in the dataset in the LOAD screen such as the one below. If there is an issue, it is usually identified with an Warning icon (red triangle with an exclamation mark) next to the datatype of the column (e.g. DATE column in the example below). To correct this, you may first need to click on the "Check" icon next to the "Time and Date format" to see the formats, (if they are not already visible).

Source

Target

Dataset

Finalize

You are loading the file Chicago_Crime_Data-v2.csv into QWOTB08LCHICAGO_CRIME_DATA

Code page (character encoding): 1208 (UTF-8)

Separator: ,

Header in first row: ☒

Time & Date format: ☒

Dataset data format: ☒

Date format: YYYY-MM-DD

Time format: HH:MM:SS

Timestamp format: YYYY-MM-DD HH:MM:SS

Time stamp format: ☒

ID / PK / FK

CASE_NUMBER

DATE

BLOCK

DOCR

PRIORITY_TYP

1

3312276

HS087712

08/29/2004 05:50:56 PM

04704 S KEDZIE AVE

890

THEFT

2

3406413

HS045106

06/26/2004 12:40:00 PM

05904 N CENTRAL PARK AVE

830

THEFT

3

8000131

HT133916

04/04/2011 06:45:00 PM

04304 S WASHINGTON AVE

830

THEFT

4

7902089

HT133922

12/30/2010 04:30:00 PM

08304 S KINGSTON AVE

840

THEFT

5

10403076

HS238851

02/02/2014 07:30:00 PM

03304 W KATH ST

820

THEFT

6

7712712

HS045106

05/19/2010 07:30:00 AM

05004 W CHICAGO AVE

810

THEFT

7

10794475

HS254771

12/10/2014 11:15:00 AM

05004 S KEDZIE AVE

810

THEFT

8

4494340

HL793243

12/26/2005 04:45:00 PM

05004 E PERSHING RD

840

THEFT

9

3778925

HL349610

01/28/2005 05:00:00 PM

10004 S WASHINGTON AVE

810

THEFT

10

3324217

HS045106

05/13/2004 02:15:00 PM

02304 W BELMONT AVE

830

THEFT

First check if there is a pre-defined format in the drop down list that matches the format the date/time/timestamp in the source dataset. If not, type the correct format. Upon doing so, the Mismatch Warning (and exclamation sign) should disappear. In this example below we changed/overwrote the default Timestamp format of YYYY-MM-DD HH:MM:SS to MM/DD/YYYY HH:MM:SS TT to match the value of 08/29/2004 05:50:56 PM in the dataset.

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Separator: ,

Header in first row: ☒

Time & Date format: ☒

Dataset data format: ☒

Date format: YYYY-MM-DD

Time format: HH:MM:SS

Timestamp format: MM/DD/YYYY HH:MM:SS TT

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Author(s)

