

host: mban-sql.mysql.database.azure.com  
user: xxxxx  
p: xxxxx

## A: Windows PowerShell

- Use `dir` and `cd` to navigate to folder in which csv files are stored. Convert files to UTF8 encoded format using the following commands replacing the path (highlighted in grey) with your own.
- You can double-check by looking for the newly exported file in your folder.

```
import-csv 'C:\Users\lisa_\Desktop\H1B Tables\jobs.csv' | export-csv  
'C:\Users\lisa_\Desktop\H1B Tables\jobs_bis.csv' -NoTypeInfoInformation -  
Encoding UTF8
```

```
import-csv 'C:\Users\lisa_\Desktop\H1B Tables\industry.csv' | export-  
csv 'C:\Users\lisa_\Desktop\H1B Tables\industry_bis.csv' -  
NoTypeInfoInformation -Encoding UTF8
```

```
import-csv 'C:\Users\lisa_\Desktop\H1B Tables\case.csv' | export-csv  
'C:\Users\lisa_\Desktop\H1B Tables\case_bis.csv' -NoTypeInfoInformation -  
Encoding UTF8
```

```
import-csv 'C:\Users\lisa_\Desktop\H1B Tables\category.csv' | export-  
csv 'C:\Users\lisa_\Desktop\H1B Tables\category_bis.csv' -  
NoTypeInfoInformation -Encoding UTF8
```

```
import-csv 'C:\Users\lisa_\Desktop\H1B Tables\naics.csv' | export-csv  
'C:\Users\lisa_\Desktop\H1B Tables\naics_bis.csv' -NoTypeInfoInformation  
-Encoding UTF8
```

```
import-csv 'C:\Users\lisa_\Desktop\H1B Tables\employer.csv' | export-  
csv 'C:\Users\lisa_\Desktop\H1B Tables\employer_bis.csv' -  
NoTypeInfoInformation -Encoding UTF8
```

- Your screen should show the following:

```
PS C:\Users\lisa_> cd Desktop  
PS C:\Users\lisa_\Desktop> cd 'H1B Tables'  
PS C:\Users\lisa_\Desktop\H1B Tables> import-csv 'C:\Users\lisa_\Desktop\H1B Tables\case.csv' | export-csv 'C:\Users\lis  
a_\Desktop\H1B Tables\case_bis.csv' -NoTypeInfoInformation -Encoding UTF8  
PS C:\Users\lisa_\Desktop\H1B Tables>
```

- Files are created.
- Move to **B: Command Prompt** to upload data into database.
- Again: Navigate to folder where files are stored using `dir` and `cd`.
- Enter the following command, replacing the user with your own:

```
mysql --local-infile=1 -h mban-sql.mysql.database.azure.com -u  
akremser -p
```

- Enter password
- Your screen should show the following:

```
Microsoft Windows [Version 10.0.22621.2428]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\lisa_>cd Desktop  
  
C:\Users\lisa_\Desktop>cd H1B Tables  
  
C:\Users\lisa_\Desktop\H1B Tables>mysql --local-infile=1 -h mban-sql.mysql.database.azure.com -u akremser -p  
Enter password: *****  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 806  
Server version: 8.0.34 Source distribution  
  
Copyright (c) 2000, 2023, Oracle and/or its affiliates.  
  
Oracle is a registered trademark of Oracle Corporation and/or its  
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> |
```

- You are all set to start the data upload using below upload commands.
- Remember: Parent tables need to be uploaded first.
- Make sure that there are no errors or skipped data rows.

```
mysql> USE h1b;  
Database changed  
mysql> LOAD DATA LOCAL INFILE 'naics_bis.csv'  
-> INTO TABLE `naics`  
-> FIELDS TERMINATED BY ','  
-> ENCLOSED BY '"'  
-> LINES TERMINATED BY '\r\n'  
-> IGNORE 1 LINES  
-> ;  
Query OK, 334 rows affected (0.05 sec)  
Records: 334 Deleted: 0 Skipped: 0 Warnings: 0
```

#### Upload Commands:

```
USE h1b;  
LOAD DATA LOCAL INFILE 'industry_bis.csv'  
INTO TABLE `industry`  
FIELDS TERMINATED BY ','  
ENCLOSED BY '"'  
LINES TERMINATED BY '\r\n'  
IGNORE 1 LINES  
;  
  
LOAD DATA LOCAL INFILE 'naics_bis.csv'  
INTO TABLE `naics`
```

```
FIELDS TERMINATED BY ','  
ENCLOSED BY '"'  
LINES TERMINATED BY '\r\n'  
IGNORE 1 LINES  
;  
  
LOAD DATA LOCAL INFILE 'category_bis.csv'  
INTO TABLE `job_category`  
FIELDS TERMINATED BY ','  
ENCLOSED BY '"'  
LINES TERMINATED BY '\r\n'  
IGNORE 1 LINES  
;  
  
LOAD DATA LOCAL INFILE 'jobs_bis.csv'  
INTO TABLE `job`  
FIELDS TERMINATED BY ','  
ENCLOSED BY '"'  
LINES TERMINATED BY '\r\n'  
IGNORE 1 LINES  
;  
  
LOAD DATA LOCAL INFILE 'employer_bis.csv'  
INTO TABLE `employer`  
FIELDS TERMINATED BY ','  
ENCLOSED BY '"'  
LINES TERMINATED BY '\r\n'  
IGNORE 1 LINES  
;  
  
LOAD DATA LOCAL INFILE 'case_bis.csv'  
INTO TABLE `case`  
FIELDS TERMINATED BY ','  
ENCLOSED BY '"'  
LINES TERMINATED BY '\r\n'  
IGNORE 1 LINES  
;
```

Congratulations: The data upload is complete!