

## SAP Note

**3103576 - SQL IMPORT FROM Statement Does not Block an Empty String for a Delimiter**

**Version** 14    **Validity:**  
02.09.2022 - active

**Language** English

## Header Data

<b>Released On</b>	02.09.2022 06:22:27 <b>By</b> Jinsol Kim (I533393)
<b>Release Status</b>	Released for Customer
<b>Component</b>	HAN-DB SAP HANA Database <a href="#">Display ACRF Content</a>
<b>Other Components</b>	<a href="#">HAN-DB-SCR SAP HANA SQL Script</a>
<b>Priority</b>	Correction with high priority
<b>Responsible</b>	Jinsol Kim ( I533393 )
<b>Processor</b>	Jinsol Kim ( I533393 )
<b>Category</b>	Program error
<b>Relevant for Translation</b>	No

## Symptom

Invalid SQL IMPORT FROM Statement is not blocked when an empty string (") is provided as a delimiter for either field or record (Please refer to [this document](#) for further detail of HANA SQL IMPORT FROM Statement).

Once such an invalid statement is executed, it runs endlessly and the number of rows in the table into which data is to be inserted keeps increasing.

[Example]

1. Open HDBSQL or SQL Console on HANA Studio
2. Create a target table into which data is to imported
  - CREATE COLUMN TABLE TEST.TEST\_TABLE (A NVARCHAR(10));
3. Execute SQL IMPORT FROM Statement
  - IMPORT FROM CSV FILE '<path>/example.csv' INTO TEST.TEST\_TABLE WITH THREADS 2 BATCH 50000 **RECORD DELIMITED BY " FIELD DELIMITED BY "**  
-> This job will not be finished
4. Open another HDBSQL or SQL console on HANA Studio and repeatedly count rows of the table
  - SELECT COUNT(\*) FROM TEST.TEST\_TABLE;  
-> The resulting value will keep increasing

*!-- Caution --!*

*Please make sure that above example is provided to illustrate a problematic scenario. Do not*

*reproduce the issue. Doing so your system will suffer from high workload and consequently require restart.*

## Other Terms

SQL IMPORT FROM

## Reason and Prerequisites

Issue number 274901

### Reason:

Due to a programming error in SAP HANA, an empty string for a delimiter is not blocked for SQL IMPORT FROM Statement. As a result, the end of the imported file is never reached and it leads to incessantly inserting records into the table.

### Affected Releases:

- SAP HANA 1:
  - All revisions
- SAP HANA 2:
  - Revisions of SPS00 - SPS04
  - Revisions <= 058.00 (SPS05)

### Prerequisites

- SQL IMPORT FROM Statement is executed with an empty string (") for **either** a *field* delimiter **or** a *row* delimiter.

## Solution

Apply one of the following SAP HANA Revisions:

- SAP HANA 2:
  - Revisions >= 059.00 (SPS05)
  - or higher
- or higher

### Workaround:

1. Restart HANA Database on **system** level immediately
  - Restarting or killing Indexserver might not be enough to bring the system back to the fully functional state

2. Once the system is restarted, truncate or drop the target table into which data was to be imported
  - System restart does not delete garbage data in the table so it has to be manually removed

## Validity

Software Component	From Rel.	To Rel.	And Subsequent	
HDB	2.00	2.00		

## Support Packages & Patches

### Support Package Patches

Software Component	Support Package	Patch Level
SAP HANA DATABASE 2.0	SP059	<a href="#">000000</a>

## References

### This document refers to:

#### SAP Notes

2945435 HAN-DB [Known issues detected in SAP HANA 2 SPS05](#)  
 2784704 HAN-DB [Known issues detected in SAP HANA 2 SPS04](#)  
 2628684 HAN-DB [Known issues detected in SAP HANA 2 SPS03](#)  
 2525424 HAN-DB [Known issues detected in SAP HANA 2 SPS02](#)  
 2462139 HAN-DB [Known issues detected in SAP HANA 2 SPS01](#)  
 2432112 HAN-DB [Known issues detected in SAP HANA 2 SPS00](#)  
 2380229 HAN-DB [SAP HANA Platform 2.0 - Central Note](#)  
 2325090 HAN-DB [Known issues detected in SAP HANA 1 SPS12](#)  
 2265103 HAN-DB [Known issues detected in SAP HANA 1 SPS11](#)  
 2184212 HAN-DB [Known issues detected in SAP HANA 1 SPS10](#)  
 2093754 HAN-DB [Known issues detected in SAP HANA 1 SPS09](#)  
 2066225 HAN-DB [Known issues detected in SAP HANA 1 SPS08](#)

### This document is referenced by:

#### Customer Incident (1)

Number	Year	Title	Status	Processor	Customer Number	Customer Name
0000141825	2022	<a href="#">HANA SQL -Special characters import error_IN_linux_ HANA_Cli</a>	Restricted		0001625824	THE PEOPLE'S INSURANCE COMPANY(GROU

#### SAP Notes (1)

**3102609 HAN-DB** [SAP HANA 2 SPS05 Revision 059.00](#)**ServiceNow Case (1)**

Number	Year	Text	Status	Processor	Customer Number	Customer
0000141825	2022	<a href="#">HANA SQL -Special characters import error IN_linux_HANA_Cli</a>	Closed	Anonymized (I560437)		