

SAP Note



3119813 - xlsx Files Become Corrupted During Table Import From Local File in HANA Studio

Version 16 Validity: 07.02.2023 - active

Language English

Header Data

Released On	07.02.2023 06:14:27 By Jinsol Kim (I533393)
Release Status	Released for Customer
Component	HAN-DB SAP HANA Database Display ACRF Content
Other Components	HAN-STD-ADM-DBA SAP HANA Studio (Eclipse) Admin Tooling
Priority	Correction with high priority
Responsible	Jinsol Kim (I533393)
Processor	Jinsol Kim (I533393)
Category	Program error
Relevant for Translation No	

Symptom

You try to import data from a local file with extension **xlsx** in HANA Studio, e.g. by below steps:

1. Open File -> Import
2. Select SAP HANA Content -> Data from Local File
3. Select the target system you want to import the file into
4. Select the file (xlsx) to be imported and click 'Open'

Reading the file fails and HANA Studio might start hanging.

Additionally, you recognize that the file gets corrupted and that HANA Studio Log contains error messages similar to below ones:

```
!ENTRY com.sap.ndb.studio.navigator 4 1 <timestamp>
!MESSAGE [SYSTEMDB@xxx xxxxxxxx 10 (xxxxxxx)] Error while refreshing system
!SUBENTRY 1 com.sap.ndb.studio.navigator 4 0 <timestamp>
!MESSAGE SAPControl request failed
!STACK 0
com.sap.ndb.studio.sapcontrol.SAPControlException: SAPControl request failed
at com.sap.ndb.studio.sapcontrol.operations.SAPControlOperation.execute(SAPControlOperation.java:118)
at com.sap.ndb.studio.sapcontrol.SAPControl.getInstanceProperties(SAPControl.java:508)
at com.sap.ndb.studio.navigator.operations.SAPSystemObjectUpdate.executeTrySAPControl(SAPSystemObjectUpdate.java:159)
at com.sap.ndb.studio.navigator.operations.SAPSystemObjectUpdate.execute(SAPSystemObjectUpdate.java:94)
at com.sap.ndb.studio.navigator.operations.UpdateSAPSystemOperation.execute(UpdateSAPSystemOperation.java:73)
at com.sap.ndb.studio.datamodel.controller.DataModelOperation.execute(DataModelOperation.java:70)
at com.sap.ndb.studio.datamodel.controller.DataModelOperationQueue$DataModelOperationThread.run(DataModelOperationQueue.java:99)
Caused by: com.sun.xml.messaging.saaj.SOAPExceptionImpl: com.sun.xml.messaging.saaj.SOAPExceptionImpl: Message send failed
at com.sun.xml.messaging.saaj.client.p2p.HttpSOAPConnection.call(HttpSOAPConnection.java:164)
at com.sap.ndb.studio.sapcontrol.operations.SAPControlOperation.execute(SAPControlOperation.java:94)
... 6 more
Caused by: com.sun.xml.messaging.saaj.SOAPExceptionImpl: Message send failed
at com.sun.xml.messaging.saaj.client.p2p.HttpSOAPConnection.post(HttpSOAPConnection.java:297)
at com.sun.xml.messaging.saaj.client.p2p.HttpSOAPConnection.call(HttpSOAPConnection.java:160)
... 7 more
Caused by: java.net.UnknownHostException: gplvdbbw2
at java.base/java.net.AbstractPlainSocketImpl.connect(AbstractPlainSocketImpl.java:220)
at java.base/java.net.Socket.connect(Socket.java:609)
at java.base/java.net.Socket.connect(Socket.java:558)
at java.base/sun.net.NetworkClient.doConnect(NetworkClient.java:182)
at java.base/sun.net.www.http.HttpClient.openServer(HttpClient.java:474)
at java.base/sun.net.www.http.HttpClient.openServer(HttpClient.java:569)
at java.base/sun.net.www.http.HttpClient.<init>(HttpClient.java:242)
at java.base/sun.net.www.http.HttpClient.New(HttpClient.java:341)
at java.base/sun.net.www.http.HttpClient.New(HttpClient.java:362)
at java.base/sun.net.www.protocol.http.HttpURLConnection.getNewHttpClient(HttpURLConnection.java:1253)
at java.base/sun.net.www.protocol.http.HttpURLConnection.plainConnect0(HttpURLConnection.java:1187)
at java.base/sun.net.www.protocol.http.HttpURLConnection.plainConnect(HttpURLConnection.java:1081)
at java.base/sun.net.www.protocol.http.HttpURLConnection.connect(HttpURLConnection.java:1015)
at java.base/sun.net.www.protocol.http.HttpURLConnection.getOutputStream0(HttpURLConnection.java:1367)
at java.base/sun.net.www.protocol.http.HttpURLConnection.getOutputStream(HttpURLConnection.java:1342)
at com.sun.xml.messaging.saaj.client.p2p.HttpSOAPConnection.post(HttpSOAPConnection.java:252)
... 8 more
```

```

!ENTRY com.sap.ndb.studio.bi.filedataupload.ui 4 4 <timestamp>
!MESSAGE Fail to save: an error occurs while saving the package : class org.apache.poi.openxml4j.util.ZipSecureFile$ThresholdInputStream
cannot be cast to class java.util.zip.ZipFile$ZipFileInputStream (org.apache.poi.openxml4j.util.ZipSecureFile$ThresholdInputStream is in unnamed
module of loader org.eclipse.osgi.internal.loader.EquinoxClassLoader @3b906c00; java.util.zip.ZipFile$ZipFileInputStream is in module java.base
of loader 'bootstrap')
!STACK 0
org.apache.poi.openxml4j.exceptions.OpenXML4JRuntimeException: Fail to save: an error occurs while saving the package : class
org.apache.poi.openxml4j.util.ZipSecureFile$ThresholdInputStream cannot be cast to class java.util.zip.ZipFile$ZipFileInputStream
(org.apache.poi.openxml4j.util.ZipSecureFile$ThresholdInputStream is in unnamed module of loader
org.eclipse.osgi.internal.loader.EquinoxClassLoader @3b906c00; java.util.zip.ZipFile$ZipFileInputStream is in module java.base of loader
'bootstrap')
at org.apache.poi.openxml4j.opc.ZipPackage.saveImpl(ZipPackage.java:595)
at org.apache.poi.openxml4j.opc.OPCPackage.save(OPCPackage.java:1539)
at org.apache.poi.openxml4j.opc.OPCPackage.save(OPCPackage.java:1522)
at org.apache.poi.openxml4j.opc.ZipPackage.closeImpl(ZipPackage.java:450)
at org.apache.poi.openxml4j.opc.OPCPackage.close(OPCPackage.java:479)
at com.sap.ndb.studio.bi.filedataupload.filereader.XLSXFileReader.initialise(XLSXFileReader.java:147)
at com.sap.ndb.studio.bi.filedataupload.filereader.XLSXFileReader.getAllWorksheets(XLSXFileReader.java:157)
at com.sap.ndb.studio.bi.filedataupload.deploy.FileUploaderImpl.getExcelWorksheets(FileUploaderImpl.java:258)
at
com.sap.ndb.studio.bi.filedataupload.ui.wizards.pages.ImportFileSelectionWizardPage$1.widgetSelected(ImportFileSelectionWizardPage.java:193)
at org.eclipse.swt.widgets.TypedListener.handleEvent(TypedListener.java:252)
at org.eclipse.swt.widgets.EventTable.sendEvent(EventTable.java:89)
at org.eclipse.swt.widgets.Display.sendEvent(Display.java:4209)
at org.eclipse.swt.widgets.Widget.sendEvent(Widget.java:1037)
at org.eclipse.swt.widgets.Display.runDeferredEvents(Display.java:4026)
at org.eclipse.swt.widgets.Display.readAndDispatch(Display.java:3626)
at org.eclipse.jface.window.Window.runEventLoop(Window.java:823)
at org.eclipse.jface.window.Window.open(Window.java:799)
at org.eclipse.ui.internal.handlers.WizardHandler$Import.executeHandler(WizardHandler.java:151)
at org.eclipse.ui.internal.handlers.WizardHandler.execute(WizardHand

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!ENTRY com.sap.ndb.studio.bi.filedataupload.ui 4 4 <timestamp>
!MESSAGE Could not open the specified zip entry source stream
!STACK 0
org.apache.poi.openxml4j.exceptions.InvalidOperationException: Could not open the specified zip entry source stream
at org.apache.poi.openxml4j.opc.ZipPackage.openZipEntrySourceStream(ZipPackage.java:205)
at org.apache.poi.openxml4j.opc.ZipPackage.openZipEntrySourceStream(ZipPackage.java:187)
at org.apache.poi.openxml4j.opc.ZipPackage.openZipEntrySourceStream(ZipPackage.java:161)
at org.apache.poi.openxml4j.opc.ZipPackage.<init>(ZipPackage.java:142)
at org.apache.poi.openxml4j.opc.OPCPackage.open(OPCPackage.java:295)
at org.apache.poi.openxml4j.opc.OPCPackage.open(OPCPackage.java:201)
at com.sap.ndb.studio.bi.filedataupload.filereader.XLSXFileReader.initialise(XLSXFileReader.java:135)
at com.sap.ndb.studio.bi.filedataupload.filereader.XLSXFileReader.readData(XLSXFileReader.java:56)
at com.sap.ndb.studio.bi.filedataupload.filereader.FlatFileReadManager.read(FlatFileReadManager.java:149)
at com.sap.ndb.studio.bi.filedataupload.deploy.FileUploaderImpl.generateFileTableStructureModel(FileUploaderImpl.java:227)
at com.sap.ndb.studio.bi.filedataupload.ui.wizards.pages.ImportFileSelectionWizardPage.getNextPage(ImportFileSelectionWizardPage.java:783)
at org.eclipse.jface.wizard.WizardWi

```

Other Terms

HANA Studio, Data Inconsistency, xlsx, csv

Reason and Prerequisites

Issue number 270056

Reason:

There have been behavioral changes in 3rd party APIs used in HANA Studio.

Affected Releases:

- HANA Studio 2:
 - Versions <= 2.3.70

Prerequisites:

- xlsx file is used to import data from a local file into a HANA table **AND**
- Import is conducted in HANA Studio

Solution

Apply one of the following SAP HANA Studio versions:

- HANA Studio 2:
 - Versions >= 2.3.71

Workaround:

Consider one of the following options:

- Use other file types such as **csv** or **xls**
 1. Make a copy the xlsx file (target.xlsx and target_copy.xlsx)
 2. Open target_copy.xlsx and save it in a different file format (target_copy.csv)
In case **xls** file is used, please note that there is another known issue that reading xls file fails with an error '*No records found in the specified file*' when it contains a single row only.
 3. Import the file converted in **csv** instead of the original **xlsx** file
- Use other database tools for the import such as Database Explorer (DBX) on HANA Cockpit, Business Application Studio (BAS), or HANA interactive terminal (hdbsql) directly on server.

Validity

This document is not restricted to a software component or software component version

References

This document is referenced by:

Customer Incident (1)

Number	Year	Title	Status	Processor	Customer Number	Customer Name
0000626486	2021	Hana_Studio_Import_of_Excel_corrupts_file_on_selection	Restricted		0000471759	Sanlam Life Insurance Limited

SAP Notes (1)

3288244 HAN-DB [xlsx Files Get Updated Upon Selection for Import on HANA Studio](#)

ServiceNow Case (2)

Number	Year	Text	Status	Processor	Customer Number	Customer
0000626486	2021	Hana_Studio_Import_of_Excel_corrupts_file_on_selection	Closed	Jinsol Kim (I533393)		
		Hana_Studio_Import_of_Excel_corrupts_file_on_selection	Closed	Jinsol Kim (I533393)		