

2158103 - Known problems with Support Packages in SAP NW 7.50 AS ABAP

Version	14	Type	SAP Note
Language	English	Master Language	English
Priority	Recommendations / Additional Info	Category	Help for error analysis
Release Status	Released for Customer	Released On	14.10.2018
Component	BC-UPG-OCS-SPA (Support package tools for ABAP)		

Please find the original document at <https://launchpad.support.sap.com/#/notes/2158103>

Symptom

This SAP Note provides information about problems that can occur when you use the Support Package Manager to import Support Packages for ABAP components. On the initial screen of the Support Package Manager, choose the "i" button to find more information about the Support Package Manager.

Caution: This SAP Note is regularly updated to the latest status. Therefore, always download the latest version from SAP Service Marketplace!

SAP NetWeaver 7.5 is also the basis of Enhancement Packages for the SAP Business Suite and contains software components, which can also be installed on SAP NetWeaver 7.0 (including its Enhancement Package 1, Enhancement Package 2, Enhancement Package 3) and SAP Netweaver 7.4. Problems with these software components may therefore also be described in the SAP Notes 822379 ("Known problems with Support Packages in SAP NW 7.0x AS ABAP"), 1597765 ("Known problems with Support Packages in SAP NW 7.31 AS ABAP") and 1843157 ("Known problems with Support Packages in SAP NW 7.40 AS ABAP"). So, check also these notes, whether they contain information for Support Packages you want to apply.

You may have to carry out a SPAM/SAINT update before you can import a certain Support Package. In turn, a SPAM/SAINT update may require a certain R3trans or tp version to be installed in your system. This SAP Note also tells you if a SPAM/SAINT update, R3trans or tp is required.

Other Terms

OCS, SPAM, SPAM/SAINT UPDATE, CONFLICT RESOLUTION TRANSPORT, SUPPORT PACKAGE, CRT, LOAD_PROGRAM_LOST, SAPSQL_SELECT_DBTAB_CHANGED, SAPSQL_SELECT_WA_TOO_SMALL, SAPSQL_WA_TOO_SMALL, CALL_FUNCTION_PARM_UNKNOWN, XPRA_EXECUTION, TP_FAILURE, TESTIMPORT, DDIC ACTIVATION, HANA

Change history

- 12.10.2018: Avoiding abortions in the preparation of the modification adjustment (phases AUTO_MOD_SPDD, AUTO_MOD_SPAU)
- 12.10.2018: Avoiding ABAP Dictionary activation errors: Refer to SAP Notes 2513147 and 2683419
- 12.10.2018: Problems with SAPCAR tool on AIX
- 22.05.2018 Avoiding ABAP Dictionary activation errors: Refer to SAP Notes 2438380 and 2507161
- 21.11.2016: SAPK-80003INISPSCA, SAPK-80003ININSURANC, SAPK-80003INFICA: Phase XPRA_EXECUTION may finish with errors

- 21.11.2016: S4CORE Support Packages: Phase DDIC_ACTIVATION may finish with an error
- 21.11.2016: SAP_FIN Support Packages: Phase DDIC_ACTIVATION may finish with an error
- 21.11.2016: S/4HANA 1511: Error in switch framework (SFW5), due to unknown components
- 20.07.2016: Implement note 2344014 to avoid serious problems with classes during SPAU adjustment
- 20.07.2016: SAPK-75004INSAPBW: DDIC activation error in ERP 6.0 EHP8 or S4HANA systems; Implement note 2290115 before importing the SP.
- 20.07.2016: (Only DB2 for z/OS or DB2 for IBM i) SAPK-75004INSAPBW: possible errors in tp step "Move Nametab" -> implement note 2337054
- 20.07.2016: (Only MaxDB) SAPK-75004INSAPBASIS: Update to at least MaxDB version **7.9.08.35**, before importing the SP.
- 13.07.2016: (Only MaxDB) Implement SAP Note 2302503 to avoid DDIC_ACTIVATION problems!
- 18.05.2016: SAPK-75002INSAPBASIS, SAPK-75003INSAPBASIS: Implement SAP note 2296796 to avoid problems with IDOCs.
- 18.05.2016: Avoiding ABAP Dictionary activation errors: Refer to SAP Note 2309568
- 18.05.2016: SAPK-75001INSAPBASIS, SAPK-75002INSAPBASIS: Implement SAP Notes to avoid DDIC activation problems!
- 09.03.2016: Import of Support Packages for component SAP_GWFND is locked after importing SAPK-75001INSAPGWFND
- 09.03.2016: (SAPK-75001INSAPBASIS - SAPK-75003INSAPBASIS: No Import in one Queue possible!) - Replaced by a new solution on 18.05.2016!
- 26.11.2015: Initial release of the note

Reason and Prerequisites

The problems are generally caused by program errors or the Support Package type.

Solution

1. SPAM/SAINT updates

- Symptom: When importing the SPAM/SAINT update, various runtime errors can occur:
 - LOAD_PROGRAM_LOST
 - LOAD_PROGRAM_CLASS_MISMATCH
 - LOAD_TEXTPOOL_LOST
 - SAPSQL_SELECT_DBTAB_CHANGED
 - SAPSQL_SELECT_WA_TOO_SMALL
 - SAPSQL_SELECT_TAB_TOO_SMALL
 - SAPSQL_WA_TOO_SMALL
 - DDIC_STRUCLENG_INCONSISTENT
 - RUNT_ILLEGAL_SWITCH
 - CALL_FUNCTION_PARM_UNKNOWN

These errors occur because the source code of the Support Package Manager is modified by the import during the run. CALL_FUNCTION_PARM_UNKNOWN, LOAD_PROGRAM_LOST, LOAD_PROGRAM_CLASS_MISMATCH, and LOAD_TEXTPOOL_LOST occur, if the ABAP load or text elements are to be loaded back into the local buffer, and there is a different version in the database. However, SAPSQL_SELECT_DBTAB_CHANGED, SAPSQL_SELECT_WA_TOO_SMALL, SAPSQL_SELECT_TAB_TOO_SMALL, SAPSQL_WA_TOO_SMALL, DDIC_STRUCLENG_INCONSISTENT and RUNT_ILLEGAL_SWITCH occur, if changes are made on the SPAM/SAINT data structures with the SPAM/SAINT update.

Solution: None of these errors occur again, if you restart the Support Package Manager (transaction SPAM) and continue to import the SPAM/SAINT update.

2. All Support Packages

- **Avoiding ABAP Dictionary activation errors when importing Support Packages**

- To avoid ABAP Dictionary activation errors when you import Support Package queues (especially long ones), you must implement the following note corrections or check whether they were already implemented with a Basis Support Package. This has to be done before the Support Package queue import is started!

1343951 - "View buffering not permitted: Check too restrictive"

2244920 - "Dependency of data element and CDS view not detected if data element is new"

2251752 - "SAP HANA DB: Conversion of tables with data aging does not process 'cold' data"

2257142 - "Error messages for ACM authorization views during activation phase"

2257143 - "'Column <column name> is not known' during transport or upgrade in activation phase"

2275092 - "Authorization views for data control language sources missing from database"

2309568 - "Parallel change to CDS view and search help with selection method same as corresponding SQL view results in error in transport/upgrade"

2302503 - "MaxDB: Error during generation of CDS views"

2507161 - "ABAP CDS: multiple client dependent table functions as base objects"

2438380 - "ABAP CDS: Data type RAW in CASE expression"

2513147 - "Table logging can be activated even though table is too wide"

2683419 - "Error DT201 during activation of technical settings" (additional details to note **2513147**)

- **Avoiding problems during modification adjustment in SPDD / SPAU**

- To avoid problems during the modification adjustment in SPDD/SPAU or in the preparation of it (in phases SPDD_SPAU_CHECK, AUTO_MOD_SPDD, AUTO_MOD_SPAU), implement the following note corrections or check whether they were already implemented with a Basis Support Package. This has to be done before the Support Package queue import is started!

2264123 - "Stopping deimplementation of obsolete notes"

2328318 - "SNOTE: Avoid Obsolete Note Deimplementation"

2344014 - "SPAU Adjustment for R3TR CLAS deliveries"

2456988 - "SAPRUPGM: Dump ITAB_DUPLICATE_KEY during determination of adjustment mode"

- Extracting SAPCAR archives aborts on **AIX platform** with error "SAPCAR: error in loading the cryptographic library (error 56)"

- Follow the instructions in SAP note **2515699**

SAP Netweaver 7.5 components

3. Basis 7.50 Support Packages

- **SAPK-75001INSAPBASIS, SAPK-75002INSAPBASIS**

- Symptom: The import of the Support Packages SAPK-75001INSAPBASIS and SAPK-75002INSAPBASIS requires the implementation of note corrections before.

- Solution: Implement the following SAP notes using the note Assistant:

1343951 - "View buffering not permitted: Check too restrictive"

2244920 - "Dependency of data element and CDS view not detected if data element is new"

2251752 - "SAP HANA DB: Conversion of tables with data aging does not process 'cold' data"

2257142 - "Error messages for ACM authorization views during activation phase"

2257143 - "'Column <column name> is not known' during transport or upgrade in activation"

phase

2275092 - "Authorization views for data control language sources missing from database"

- **SAPK-75002INSAPBASIS, SAPK-75003INSAPBASIS**
 - Symptom: After the import of the Support Packages SAPK-75002INSAPBASIS and SAPK-75003INSAPBASIS, the processing of IDOCs may fail.
 - Solution: To prevent this from happening apply the SAP note 2296796 after the SPs were imported.
- **SAPK-75004INSAPBASIS**
 - Solution: If your using a **MaxDB** as database system, update the database to at least version **7.9.08.35** before starting the import of the Support Package (see note 2158828 for minimum DB versions for NetWeaver 7.5).

4. SAP_GWFND 7.50 Support Packages

- **SAPK-75001INSAPGWFND**
 - Symptom: When you try to import Support Packages for component SAP_GWFND, this will be refused with the error message „System admin (user D025011) has locked component SAP_GWFND against OCS package imports“.
 - Reason: Accidental delivery of an SAP internal control table entry with SP SAPK-75001INSAPGWFND.
 - Solution: If the installed SPAM/SAINT Version is below 0060, import the latest SPAM/SAINT Update. The wrong control table entry is deleted during this import
If you are already on SPAM/SAINT version 0060 (or higher), execute the report RSSPAM15. This deletes the wrong entry as well.

5. SAP_UI 7.50 Support Packages

6. SAP_ABA 7.50 Support Packages

7. SAP_BW 7.50 Support Packages

- **SAPK-75004INSAPBW**
 - Symptom: When you import the Support Package SAPK-75004INSAPBW into an ERP or S4HANA system, the DDIC activation aborts with the error:
1EEDO519 "Table" "PRH_CPET_PERIODDET_PRCQUOT" could not be activated
1 ED0313 (E- Field QUOTGROUP in table PRH_CPET_PERIODDET_PRCQUOT is specified twice)
 - Solution: To avoid this error implement note 2290115 before importing the SP SAPK-75004INSAPBW or include the application Support Packages SAPK-61802INSAPAPPL (for ERP systems) or SAPK-10002INS4CORE (for S4HANA systems) in the same Support Package queue.
If the error happened already, implement the steps described in the manual activity of note 2290115. This solves the DDIC activation error, so that the SP import can be finished.
Afterwards, implement note 2290115 completely.
- **SAPK-75004INSAPBW**
 - Symptom: If you are using a MaxDB as database system, the activation of DDL Sources aborts during the import of the SP. In transaction ST22 you will find that the runtime error CX_DD_DB_STMT occurred in method GET_CAST_STMT of class CL_DD_DB_VIEW_ADA.
 - Solution: Implement note 2302503 before starting the SP import.
- **SAPK-75004INSAPBW**
 - Symptom: If you are using a DB2 for z/OS or DB2 for IBM i as database system, the creation of views in the DB fails and the import aborts in phase IMPORT_PROPER (tp step Move Nametab). The Move Nametab log shows errors for the following views:

RSWHM_MON_PM_V5
 RSWHM_PM_QT
 RSWHM_PM_XREF
 RSWHM_SM_XREF2

- Solution: Execute the steps described in note 2337054. Afterwards, continue the SP import.

SAP ERP 6.0 EHP8 components

8. SAP_FIN Support Packages

- Symptom: When you import Support Packages for component SAP_FIN, the import phase DDIC_ACTIVATION may finish with an error. The DDIC activation log shows that DDL Source objects cannot be activated, because customer own fields (fields in Z namespace) are not known.
- Solution: Execute the report FGL_REGENERATE_CDS_WHILE_UPGR as described in SAP note 2139357. This report adds the needed fields to the DDL source objects. Afterwards, continue the Support Package queue import in Support Package Manager.

SAP S/4HANA 1511 components

- Symptom: The activation of business functions or a business function set in transaction SFW5 leads to an error, that the software component ECC-DIMP does not exist.
- Solution: Follow the instructions in SAP note 2354590 to clean up control data in the switch framework or apply the Support Package SAPK-10003INS4CORE.

9. S4CORE 100 Support Packages

- Symptom: When you import Support Packages for component version S4CORE 100, the import phase DDIC_ACTIVATION may finish with an error. The DDIC activation log shows that DDL Source objects cannot be activated, because customer own fields (fields in Z namespace) are not known.
- Solution: Execute the report FGL_REGENERATE_CDS_WHILE_UPGR as described in SAP note 2139357. This report adds the needed fields to the DDL source objects. Afterwards, continue the Support Package queue import in Support Package Manager.

10. FI-CA 800 Support Packages

- **SAPK-80003INFICA**

- Symptom: When you import Support Package SAPK-80003INFICA, the import phase XPRA_EXECUTION may finish with an error. The After-Import-Method Execution log of this Support Package contains the error message:
"BRF+: Foreign lock DDIC.2.018/2.018 FDT source/target objects could not be locked"
- Solution: Repeat the import of the Support Package queue in Support Package Manager. This error will not occur anymore.

11. INSURANCE 800 Support Packages

- **SAPK-80003ININSURANC**

- Symptom: When you import Support Package SAPK-80003ININSURANC, the import phase XPRA_EXECUTION may finish with an error. The After-Import-Method Execution log of this Support Package contains the error message:
"BRF+: Foreign lock DDIC.2.018/2.018 FDT source/target objects could not be locked"
- Solution: Repeat the import of the Support Package queue in Support Package Manager. This error will not occur anymore.

12. IS-PS-CA 800 Support Packages

- **SAPK-80003INISPSCA**

- Symptom: When you import Support Package SAPK-80003INISPSCA, the import phase XPRA_EXECUTION may finish with an error. The After-Import-Method Execution log of this Support Package contains the error message:
"BRF+: Foreign lock DDIC.2.018/2.018 FDT source/target objects could not be locked"
- Solution: Repeat the import of the Support Package queue in Support Package Manager. This error will not occur anymore.

Software Components

Software Component	Release
SAP_BASIS	750 - 750

Other Components

Component	Description
BC-UPG-OCS	Online Corr. Support (Tools:Supp.-Pack., Addon Install/Upgr)

This document refers to

SAP Note/KBA	Title
822379	Known problems with Support Packages in SAP NW 7.0x AS ABAP
2309568	Parallel change to CDS view and search help with selection method same as corresponding SQL view results in error in transport/upgrade
2296796	Linked documents of IDOCs do not exist
2275092	Authorization views for data control language sources missing from database
2257143	"Column <column name> is not known" during transport or upgrade in activation phase
2257142	Error messages for ACM authorization views during activation phase
2251752	SAP HANA DB: Conversion of tables with data aging does not process 'cold' data
2244920	Dependency of data element and CDS view not detected if data element is new

1843157	Known problems with Support Packages in SAP NW 7.40 AS ABAP
1597765	Known problems with Support Packages in SAP NW 7.31 AS ABAP
1343951	View buffering not permitted: Check too restrictive

This document is referenced by

SAP Note/KBA	Title
2880866	SAP ASE - Known problems with Support Packages in SAP NetWeaver and SAP Business Suite

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