

3336676 - Open SQL: Syntax error due to OFFSET specification in DCK case

Component: BC-DB-DBI (Basis Components > Database Interface, Database Platforms > DB Independent Database Interface), Version: 2, Released On: 23.05.2023

Symptom

A warning is issued for the addition OFFSET or the function COALESCE.

Reason and Prerequisites

As of the kernel, the warnings are issued with the kernel patch specified below. The two functions are undocumented in the relevant ABAP releases and are also not available with the kernel that belongs to the ABAP release. Due to a kernel error in the DCK (downward-compatible kernel), you can still use this function. The warnings indicate that you should avoid this usage as syntax errors may occur in other systems.

Solution

For the addition OFFSET, SAP Note 3279914 explains how you can do without the addition.

For the function COALESCE, the function can call multiple times and nest accordingly.

This correction was originally delivered with the kernel patch level specified in the "**Support Package Patches**" section of this SAP Note. All later kernel patch levels also contain these corrections. Note that only the latest kernel patch is available for download. It contains all previously delivered corrections. This means that you can always download and apply the latest kernel patch in order to implement the corrections.

If no kernel patch level is entered in the "**Support Package Patches**" section, the patch is not yet available. The entry appears with the delivery of the corrections. Check this SAP Note to find out whether new kernel patch levels have been entered.

These corrections are delivered with the following SAP kernel archives:

- Hotfix - file dw.sar
- SP Stack Kernel - files SAPEXE.SAR and SAPEXEDB.SAR

Follow our recommendations for selecting and applying the kernel patch:

1. Import the latest **SP Stack Kernel** if it contains the correction. For a list of current SP Stack Kernels, see SAP Note [2083594](#) ("SAP Kernel Versions and SAP Kernel Patch Levels").
2. Otherwise, the corrections will be provided with the next SP Stack Kernel. Apply the **hotfix** only if you need the corrections quickly.
3. The corrections may not be available for kernel releases that are no longer maintained. Perform an upgrade to the relevant downward-compatible kernel (**DCK**); see SAP Note [2083594](#) (SAP Kernel Versions and SAP Kernel Patch Levels).
4. Check the **regression note** for the target patch level before applying the patch. For detailed information, see SAP Note [1802333](#) (Finding information about regressions in the SAP kernel).
5. For instructions on how to download and apply kernel patches, see SAP Note [19466](#) (Downloading SAP kernel patches).

For detailed information about our recommendations, see the following strategy document: [Update Strategy for the Kernel of the Application Server ABAP in On Premise Landscapes](#).

Software Components

Software Component	From	To
KRNL64UC	7.53	7.53
KERNEL	7.53	7.53

Support Package Patches

Software Component Version	Support Packages	Patch Level	
SAP KERNEL 7.53 64-BIT UNICODE	SP1210	001210	
SAP KERNEL 7.53 64-BIT UNICODE	SP1211	001211	
SAP KERNEL 7.53 64-BIT	SP1210	001210	
SAP KERNEL 7.53 64-BIT	SP1211	001211	
SAP KERNEL 7.54 64-BIT	SP124	000124	
SAP KERNEL 7.54 64-BIT UNICODE	SP124	000124	

This document solves side effects

SAP Note/KBA	Title
3279914	<u>Missing DCK query for OFFSET</u>

This document is referenced by

SAP Note/KBA	Component	Title
3335137		<u>Syntax error for the addition OFFSET in a SELECT command after Kernel patch</u>