

2808552 - Long runtime for material master change in the update: Table PPH_DBVM

Version	3	Type	SAP Note
Language	English	Master Language	German
Priority	Correction with high priority	Category	Program error
Release Status	Released for Customer	Released On	27.06.2019
Component	PP-MRP (Material Requirements Planning)		

Please find the original document at <https://launchpad.support.sap.com/#/notes/2808552>

Symptom

If you make changes to the material master data in the fields MATKL ("Material Group") or MSTAE ("Material Status"), the system may read the entire database table when performing a data selection on the table PPH_DBVM. This may lead to runtime and memory problems when the material master data is updated during the further program flow. The problem is that the lock (SM12) for the material master is not released for a very long time.

Other Terms

MM02, PPH_MDCP-BERID, performance, MARA-MATKL, MARA-MSTAE, planning file entry, MRP record, dispsatz_erstellen

Reason and Prerequisites

Program error

Solution

Implement attached advance corrections.

Software Components

Software Component	Release
S4CORE	100 - 100
S4CORE	101 - 101
S4CORE	102 - 102
S4CORE	103 - 103

Correction Instructions

Software Component	From	To	Version	Changed on	ID
S4CORE	103	103	1	26.06.2019 16:06:33	0000585255
S4CORE	102	102	1	26.06.2019 16:07:26	0000585254
S4CORE	101	101	1	26.06.2019 16:07:37	0000585253
S4CORE	100	100	1	26.06.2019 16:07:45	0000585252

Prerequisites

Software Component	From	To	SAP Note/KBA	Title	Component
S4CORE	100	100	2216668	KBVM and configuration change	PP-MRP
S4CORE	100	100	2221680	Planning file entries when using PVS	PP-MRP
S4CORE	100	100	2223234	"Maximum" principle for change flags for planning file entries	PP-MRP
S4CORE	100	100	2224743	Performance creation and consistency check reports for planning file entries	PP-MRP
S4CORE	100	100	2225945	Planning file entries: NODISP flag for actual MRP areas	PP-MRP
S4CORE	100	100	2227709	Multilevel single-item planning does not include all the materials or components in planning	PP-MRP
S4CORE	100	100	2269286	Supersession: Change flags not reset for non-leading parts	PP-MRP
S4CORE	100	100	2307028	PPH_SETUP_MRPREC ORDS_SIMU: Unnecessary mrprecords listed to be deleted	PP-MP-LTP
S4CORE	100	100	2342334	MRP-Apps: No timestamp update and refresh for materials with replenishment MRP types	PP-MRP
S4CORE	100	100	2356077	Performance-Optimizations MRP-Records	PP-MRP
S4CORE	100	100	2422391	Creation of planned orders writes simulative MRP-records	PP-MRP

S4CORE	100	100	2424513	MRP-Records: MARA-Read although SUS/MPN is not used	PP-MRP
S4CORE	100	100	2434626	MRP-Records: Assignment of MRP Area - Performance Issues	PP-MRP
S4CORE	100	100	2586211	Deadlock in S4 with PPH_DBVM_TSTAMP	PP-MRP
S4CORE	100	100	2779397	Runtime error/dump: DBSQL_SQL_ERROR: CL_PPH_MRPRECORD with simultaneous inserts and updates on PPH_DBVM	PP-MRP
S4CORE	100	100	2781465	Time-out in BOM processing in class CL_PPH_MRPRECORD	PP-MRP
S4CORE	100	100	2781660	MM01: No MRP-Record after material master creation since note 2779397	PP-MRP
S4CORE	100	100	2784717	MRP-Record Processing: New MRP-Records missing since note 2781660	PP-MRP
S4CORE	100	100	2804482	No MRP-records for generic SC MRP Area for new subcontracting demands	PP-MRP
S4CORE	101	101	2356077	Performance-Optimizations MRP-Records	PP-MRP
S4CORE	101	101	2359529	Replacement of redirection for T399D and T438M	PP-MRP-BD
S4CORE	101	101	2422391	Creation of planned orders writes simulative MRP-records	PP-MRP
S4CORE	101	101	2424513	MRP-Records: MARA-Read although SUS/MPN is not used	PP-MRP
S4CORE	101	101	2434626	MRP-Records: Assignment of MRP Area - Performance Issues	PP-MRP
S4CORE	101	101	2495302	MRP Live doesn't explode sales order BOM in planning mode 1	PP-MRP
S4CORE	101	101	2519153	PPH_SETUP_MRPRECORDS dumps with message "No memory available"	PP-MRP
S4CORE	101	101	2689160	Multiple Timestamps in PPH_DBVM_TSTAMP for one object when creating material master	PP-MRP
S4CORE	101	101	2779397	Runtime error/dump: DBSQL_SQL_ERROR: CL_PPH_MRPRECORD with simultaneous inserts and updates on PPH_DBVM	PP-MRP
S4CORE	101	101	2781465	Time-out in BOM processing in class CL_PPH_MRPRECORD	PP-MRP
S4CORE	101	101	2781660	MM01: No MRP-Record after material master	PP-MRP

				creation since note 2779397	
S4CORE	101	101	2784717	MRP-Record Processing: New MRP-Records missing since note 2781660	PP-MRP
S4CORE	101	101	2804482	No MRP-records for generic SC MRP Area for new subcontracting demands	PP-MRP
S4CORE	102	102	2498368	PPH_SETUP_MRPREC ORDS dumps with message "No memory available"	PP-MRP
S4CORE	102	102	2614196	PPH_SETUP_MRPREC ORDS et al.: Performance and other improvements	PP-MRP
S4CORE	102	102	2614894	Planned Order for SC MRP Area does not create MRP-Record	PP-MRP
S4CORE	102	102	2779397	Runtime error/dump: DBSQL_SQL_ERROR: CL_PPH_MRPRECORD with simultaneous inserts and updates on PPH_DBVM	PP-MRP
S4CORE	102	102	2781465	Time-out in BOM processing in class CL_PPH_MRPRECORD	PP-MRP
S4CORE	102	102	2781660	MM01: No MRP-Record after material master creation since note 2779397	PP-MRP
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S4CORE	103	103	2784717	MRP-Record Processing: New MRP-Records missing since note 2781660	PP-MRP
S4CORE	103	103	2804482	No MRP-records for generic SC MRP Area for new subcontracting demands	PP-MRP

Support Package

Software Component	Release	Support Package
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S4CORE	100	SAPK-10009INS4CORE
S4CORE	101	SAPK-10107INS4CORE
S4CORE	102	SAPK-10205INS4CORE
S4CORE	103	SAPK-10303INS4CORE

This document solves side effects

SAP Note/KBA	Title
2784717	MRP-Record Processing: New MRP-Records missing since note 2781660

This document is referenced by

SAP Note/KBA	Title
2992703	Incorrect results, dumps, or long runtimes in MRP or MRP Live

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