PMO Runtime Performance Optimizer 4.4
CA RS 2205 Service List

Service	Description	Type
LU02447	MODULE NOT FOUND IN PMO HASH TABLE AFTER PDS COMPRESS	PTF
LU05430	PMO FAILS TO DETECT UPDATES WHEN ISPF ENABLE_XTIOT=YES	PTF
	The CA RS 2205 service count for this release is 2	

FMID	Service	Description	Type
CBTY440	LU02447	MODULE NOT FOUND IN PMO HASH TABLE AFTER PDS COMPRESS	PTF
	LU05430	PMO FAILS TO DETECT UPDATES WHEN ISPF ENABLE_XTIOT=YES	PTF
The CA RS 2205 service count for this FMID is 2			

Service	Details
LU02447	LU02447 M.C.S. ENTRIES = ++PTF (LU02447) MODULE NOT FOUND IN PMO HASH TABLE AFTER PDS COMPRESS PROBLEM DESCRIPTION: Module not found or other I/O errors accessing modules following a library compress operation. PMO was not issuing any ENQs or RESERVEs when processing PDS directories. This introduces a timing exposure that can occur when a PDS is being compressed at the same time PMO is reading the directory to build a hash table. This problem was originally reported on an IMS RESLIB data set after compression by CA-Disk. The hash table built by PMO was empty if PMO happened to read the directory after CA-Disk had copied the library to make a backup and then cleared the directory before copying data back. PMO is modified to issue a shared ENQ/RESERVE for SPFEDIT and SYSIEWLP resources while reading a PDS directory. These ENQ resources are used by CA-Disk as well as PDSMAN FastCopy and ISPF copy and the binder. With this PTF installed, PMO will issue the PMO388I message when the library is being added but will issue PMO396I library excluded if the ENQ/RESERVE resources are not available after 10 tries. SYMPTOMS: Module not found, S806 abends, S106-F I/O errors reading data from a PDS managed by PMO. IMPACT: A very narrow timing window is required for this problem to occur. CIRCUMVENTION: The library hash table managed by PMO can be refreshed using: F PMO,D=data.set.name PRODUCT(S) AFFECTED: CA-Program Manager Optimizer Release 4.4 Related Problem: PMO 14397 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00008-PMO044 DESC(MODULE NOT FOUND IN PMO HASH TABLE AFTER PDS COMPRESS). ++VER (Z038) FMID (CBTY440) PRE (RO38147 RO42203 RO42392 RO47396 RO51288 RO53941 RO68796 RO77921 RO79267 RO82376) SUP (LT02447 RO42769 RO48418 RO51890 RO67644 RO80790 RO81430) ++HOLD (LU02447) SYSTEM FMID(CBTY440) REASON (ACTION) DATE (22104) COMMENT (+---+ | CA-Program Manager Optimizer Release 4.4 | +----------+--+ |SEQUENCE | After Apply | +----------+--+ |PURPOSE | Complete PTF activation. | +----------+--+

Service	Details
| | ```
|USERS     | All users.                                             |
|AFFECTED  |                                                        |
+----------+--------------------------------------------------------+
|KNOWLEDGE | CA PMO Administration                                  |
|REQUIRED  |                                                        |
+----------+--------------------------------------------------------+
|ACCESS    | CA PMO Console Commands                                |
|REQUIRED  |                                                        |
+----------+--------------------------------------------------------+
**************************
* STEPS    TO    PERFORM *
**************************
1. Issue the following operator command:
P PMO
2. Wait for PMO address space to successfully shut down.
3. Issue the following operator command:
S PMO
).
``` |

Service	Details
| LU05430 | ```
LU05430    M.C.S. ENTRIES  = ++PTF (LU05430)


PMO FAILS TO DETECT UPDATES WHEN ISPF ENABLE_XTIOT=YES
PROBLEM DESCRIPTION:
PMO does not reset in storage cache tables of managed libraries
that are updated by ISPF utilities when the configuration table
option ENABLE_XTIOT is set to YES.
The following ISPF applications may cause the problem:
* ISPF Edit updates to non-load text members
* Member list copy of load or non-load library members
* Option Z compress of a load or non-load library.
SYMPTOMS:
PMO returns old directory entries for executable programs or
text members that have been updated using ISPF facilities.
IMPACT:
ISPF users that run with the ENABLE_XTIOT configuration table
option set to YES.
CIRCUMVENTION:
The problem can be circumvented by regenerating the ISPF
Configuration table module, ISPCFIGU, with this option:
ENABLE_XTIOT=NO
PRODUCT(S) AFFECTED:
PMO for OS/390                                        Release 4.4
Related Problem:
PMO    15759
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R00010-PMO044


DESC(PMO FAILS TO DETECT UPDATES WHEN ISPF ENABLE_XTIOT=YES).
++VER (Z038)
FMID (CBTY440)
PRE ( RO38147 RO42203 RO47498 RO53941 RO82376 SO13474 )
SUP ( LT05087 LT05430 RO40912 RO41452 RO42053 RO44994
RO45648 RO51889 RO64648 RO67242 RO68567 RO73839
RO76300 RO78478 SO04355 SO10638 SO13937 ST04355
ST10638 ST13937 ST14720  )
++HOLD (LU05430) SYSTEM FMID(CBTY440)
REASON (ACTION )   DATE (22096)
COMMENT (
 +---------------------------------------------------------------+
 |    PMO for OS/390                           Release 4.4       |
 +----------+----------------------------------------------------+
 |SEQUENCE  | After Apply                                        |
 +----------+----------------------------------------------------+
 |PURPOSE   | Complete PTF activation.                           |
 +----------+----------------------------------------------------+
 |USERS     | All users.                                         |
 |AFFECTED  |                                                    |
 +----------+----------------------------------------------------+
 |KNOWLEDGE | CA PMO Administration                              |
 |REQUIRED  |                                                    |
 +----------+----------------------------------------------------+
 |ACCESS    | CA PMO Console Commands                            |
 |REQUIRED  |                                                    |
``` |

Service	Details
| | ```
+----------+----------------------------------------------------------+

*************************

* STEPS    TO    PERFORM *

*************************

1. Issue the following operator command:

P PMO

2. Wait for PMO address space to successfully shut down.

3. Issue the following operator command:

S PMO

).
``` |
| | MCS   LU02447   STARTS ON PAGE 0002 |
| | MCS   LU05430   STARTS ON PAGE 0003 |

Product Family	Product	Release
Systems Management	PMO RUNTIME PERFORMANCE OPTIMIZER R4.4	04.04.00
	The CA RS 2205 Product/Component Count for this release is 1	

PMO Runtime Performance Optimizer 4.4
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR2205	LU05430	CBTY440
	LU02447	CBTY440
CAR2104	LU00379	CBTY440
CAR2009	SO13937	CBTY440
CAR2007	SO13474	CBTY440
CAR1912	SO10638	CBTY440
CAR1808	SO04355	CBTY440
CAR1803	SO00218	CBTY440
CAR1508	RO82724	CBTY440
CAR1507	RO82376	CBTY440
CAR1506	RO81430	CBTY440
CAR1505	RO80790	CBTY440
CAR1504	RO79267	CBTY440
CAR1503	RO78478	CBTY440
	RO77921	CBTY440
CAR1502	RO76300	CBTY440
CAR1501	RO77099	CBTY440
CAR1411	RO73839	CBTY440
CAR1408	RO71328	CBTY440
CAR1407	RO70084	CBTY440
CAR1406	RO70359	CBTY440
CAR1405	RO68796	CBTY440
CAR1404	RO68567	CBTY440
	RO67644	CBTY440
	RO67245	CBTY440
	RO67242	CBTY440
CAR1403	RO64648	CBTY440
CAR1309	RO59583	CBTY440
	RO53941	CBTY440
CAR1303	RO53554	CBTY440
	RO51890	CBTY440
	RO51889	CBTY440
CAR1301	RO51288	CBTY440
CAR1212	RO49026	CBTY440
	RO48418	CBTY440
CAR1210	RO47498	CBTY440
	RO47396	CBTY440
	RO46589	CBTY440
	RO45648	CBTY440
	RO44994	CBTY440
CAR1207	RO42769	CBTY440
	RO42392	CBTY440
	RO42203	CBTY440
	RO42053	CBTY440
	RO41452	CBTY440
	RO40912	CBTY440
	RO38147	CBTY440

CA RS Level	Service	FMID
CAR1204	RO40380	CBTY440
	RO36419	CBTY440
CAR1201	RO35964	CBTY440
CAR1110	RO30105	CBTY440