

CA IMS Tools 16.0  
CA RS 1607 Service List

Release	Service	Description	Type
16.0	R090363	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	PTF
	R090364	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	PTF
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	R090366	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	**HIPER**
	R090367	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	PTF
	R090368	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	PTF
The CA RS 1607 service count for this release is 6			

CA IMS Tools  
CA RS 1607 Service List for CCHAG00

FMID	Service	Description	Type
CCHAG00	RO90363	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	PTF
The CA RS 1607 service count for this FMID is 1			

CA IMS Tools  
CA RS 1607 Service List for CHPRG00

FMID	Service	Description	Type
CHPRG00	RO90364	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	PTF
The CA RS 1607 service count for this FMID is 1			

CA IMS Tools  
CA RS 1607 Service List for CIDAG00

FMID	Service	Description	Type
CIDAG00	RO90365	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	PTF
The CA RS 1607 service count for this FMID is 1			

CA IMS Tools  
CA RS 1607 Service List for CIDOG00

FMID	Service	Description	Type
CIDOG00	RO90366	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	**HIPER**
The CA RS 1607 service count for this FMID is 1			

CA IMS Tools  
CA RS 1607 Service List for CITKG00

FMID	Service	Description	Type
CITKG00	RO90367	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	PTF
The CA RS 1607 service count for this FMID is 1			

CA IMS Tools  
CA RS 1607 Service List for CITSG00

FMID	Service	Description	Type
CITSG00	RO90368	FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB	PTF
The CA RS 1607 service count for this FMID is 1			

CA IMS Tools 16.0  
CA RS 1607 - PTF RO90363 Details

Release	Service	Details
16.0	RO90363	<p>RO90363 M.C.S. ENTRIES = ++PTF (RO90363)</p> <p>The following items are included in this solution:  1. FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB  2. ITK STC STORAGE ABENDS (S878/S40D) WITH HIGH BMP ACTIVITY  =====</p> <p>FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB  CA Database Organizer for IMS for z/OS</p> <p>Problem Description:  The Full Function Online Reorg (FFOR) component of CA Database Organizer for IMS for z/OS can fail by being incorrectly disconnected from the ITK started task when there are multiple concurrent online reorganizations running. This can cause a premature stop to both the capture and replay of database updates for an online reorg, causing it to abort for no immediately obvious reason.</p> <p>Symptoms:  The ITK started task will show two disconnect messages in relative close proximity to one another for the same reorganization of a database.  (in HPOALOG)  23:58:58.22 HPO (STCxxxxx) DISCONNECT IMS1 dbdxyz  (in HPO JESMSGLG)  23.01.13 STCxxxxx HPO2900W JOBNAME: FFOR1 (JOBXXXXX) IMS: IMS1  DBD: dbdxyz  23.01.13 STCxxxxx HPO2900W *** REPOSITORY CONTAINS UPDATES NOT APPLIED...  23.01.13 STCxxxxx HPO6010E DISCONNECT FAILURE, MVS=SYS1, IMS=IMS1, RC=000xxxxx, R0=0  HPO2405I REORG FFOR1 JOBxxxxx HAS ENDED ON SYS1...  The FFOR job may then fail with the following messages...  HPO3006E FAILURE DURING REQUEST PROCESSING - CHECK xxx STC OUTPUT ON SYS1  HPO1701E STC DISCONNECT FAILURE, MVS=SYS1,R15=0000013F,R0=000xxxxx  IDI7601I FUNCTION RETURN CODE = 0012 (MODULE HPOWAIT, SUFFIX(0),OFFSET 055C).  IMPACT:  The FFOR job that was run against the disconnected database can fail and end RC=12. It may also end RC=0, but will be missing updates against the database that occurred while the FFOR was running.</p> <p>CIRCUMVENTION:  Run FFOR jobs single threaded, not concurrently.</p> <p>PRODUCT(S) AFFECTED:  CA Database Organizer Version 16.0  CA Database Organizer Version 18.0  CA Database Organizer Version 19.0</p> <p>Related Problem:  DBO 1074  =====</p> <p>ITK STC STORAGE ABENDS (S878/S40D) WITH HIGH BMP ACTIVITY  CA Database Organizer for IMS for z/OS</p> <p>PROBLEM DESCRIPTION:  The Full Function Online Reorg (FFOR) component of CA Database Organizer for IMS for z/OS may encounter storage related abends when executing multiple concurrent FFOR functions that have a high volume of updates against the database(s) being reorganized. These abends may manifest as either a S878-0C or S40D-10.</p> <p>SYMPTOMS:  *** S878 ***  IEA995I SYMPTOM DUMP OUTPUT 412  SYSTEM COMPLETION CODE=878 REASON CODE=0000000C  ....  *** S40D ***  IEF402I HPO FAILED IN ADDRESS SPACE xxxx xxx  SYSTEM ABEND S40D - REASON CODE 10</p> <p>IMPACT:  This will cause any FFORs executing at the time of the abend to fail and will also cause the ITK STC to abruptly crash and fail.</p> <p>CIRCUMVENTION:  Run the FFOR jobs single threaded.</p> <p>PRODUCT(S) AFFECTED:  CA Database Organizer Version 16.0</p>



CA IMS Tools 16.0  
 CA RS 1607 - PTF RO90363 Details

Release	Service	Details
		CA Database Organizer Version 18.0 CA Database Organizer Version 19.0 Related Problem: DBO 1071 Copyright (C) 2016 CA. All rights reserved. R00288-I160-SP1  DESC(FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB). ++VER (Z038) FMID (CCHAG00) PRE ( RO81707 ) SUP ( TR90363 ) ++IF FMID(CHPRG00) REQ(RO90364 ) . ++IF FMID(CIDAG00) REQ(RO90365 ) . ++IF FMID(CIDOG00) REQ(RO90366 ) . ++IF FMID(CITKG00) REQ(RO90367 ) . ++IF FMID(CITSG00) REQ(RO90368 ) . ++HOLD (RO90363) SYSTEM FMID(CCHAG00) REASON (ACTION ) DATE (16158) COMMENT ( <pre>           +-----+                       IMS Change Accumulation                               Version 16.0                       +-----+            SEQUENCE  Before using the Full Function Online Reorganization (FFOR)                         function of Database Organizer for IMS for z/OS.                       +-----+            PURPOSE   This describes how to activate this PTF in your environment            +-----+            USERS     All users of the Full Function Online Reorganization (FFOR)             AFFECTED  Database Organizer for IMS for z/OS (DBO).                       +-----+            KNOWLEDGE  IMS Database Administration.                                            REQUIRED             +-----+            ACCESS    Ability to bounce CA Database Management for IMS started              REQUIRED  task and also the IMS systems which use FFOR.                       +-----+           *****           * STEPS TO PERFORM *           *****           1. Wait for any pending DBO FFOR (Full Function Online Reorganization)           jobs to complete.           2. Bring down all IMS systems.           3. Stop the ITK started task (STCITK is distributed name).           4. Restart the ITK started task with option TYPE=C,PAUSE=C.           *Important* - the started task must be cold started!           5. Restart the IMS systems.           ).           </pre>

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CA RS 1607 - PTF RO90364 Details

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16.0	RO90364	<p>RO90364 M.C.S. ENTRIES = ++PTF (RO90364)</p> <p>The following items are included in this solution:</p> <ol style="list-style-type: none"> <li>FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB</li> <li>ITK STC STORAGE ABENDS (S878/S40D) WITH HIGH BMP ACTIVITY</li> </ol> <p>=====</p> <p>FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB</p> <p>CA Database Organizer for IMS for z/OS</p> <p>Problem Description:</p> <p>The Full Function Online Reorg (FFOR) component of CA Database Organizer for IMS for z/OS can fail by being incorrectly disconnected from the ITK started task when there are multiple concurrent online reorganizations running. This can cause a premature stop to both the capture and replay of database updates for an online reorg, causing it to abort for no immediately obvious reason.</p> <p>Symptoms:</p> <p>The ITK started task will show two disconnect messages in relative close proximity to one another for the same reorganization of a database.</p> <p>(in HPOALOG)</p> <p>23:58:58.22 HPO (STCxxxxx) DISCONNECT IMS1 dbdxyz</p> <p>(in HPO JESMSGLG)</p> <p>23.01.13 STCxxxxx HPO2900W JOBNAME: FFOR1 (JOBXXXXX) IMS: IMS1</p> <p>DBD: dbdxyz</p> <p>23.01.13 STCxxxxx HPO2900W *** REPOSITORY CONTAINS UPDATES NOT APPLIED...</p> <p>23.01.13 STCxxxxx HPO6010E DISCONNECT FAILURE, MVS=SYS1, IMS=IMS1, RC=000xxxxx, R0=0</p> <p>HPO2405I REORG FFOR1 JOBxxxxx HAS ENDED ON SYS1...</p> <p>The FFOR job may then fail with the following messages...</p> <p>HPO3006E FAILURE DURING REQUEST PROCESSING - CHECK xxx STC OUTPUT ON SYS1</p> <p>HPO1701E STC DISCONNECT FAILURE, MVS=SYS1,R15=0000013F,R0=000xxxxx</p> <p>IDI7601I FUNCTION RETURN CODE = 0012 (MODULE HPOWAIT, SUFFIX(0),OFFSET 055C).</p> <p>IMPACT:</p> <p>The FFOR job that was run against the disconnected database can fail and end RC=12. It may also end RC=0, but will be missing updates against the database that occurred while the FFOR was running.</p> <p>CIRCUMVENTION:</p> <p>Run FFOR jobs single threaded, not concurrently.</p> <p>PRODUCT(S) AFFECTED:</p> <table border="0"> <tr> <td>CA Database Organizer</td> <td>Version 16.0</td> </tr> <tr> <td>CA Database Organizer</td> <td>Version 18.0</td> </tr> <tr> <td>CA Database Organizer</td> <td>Version 19.0</td> </tr> </table> <p>Related Problem:</p> <p>DBO 1074</p> <p>=====</p> <p>ITK STC STORAGE ABENDS (S878/S40D) WITH HIGH BMP ACTIVITY</p> <p>CA Database Organizer for IMS for z/OS</p> <p>PROBLEM DESCRIPTION:</p> <p>The Full Function Online Reorg (FFOR) component of CA Database Organizer for IMS for z/OS may encounter storage related abends when executing multiple concurrent FFOR functions that have a high volume of updates against the database(s) being reorganized. These abends may manifest as either a S878-0C or S40D-10.</p> <p>SYMPTOMS:</p> <p>*** S878 ***</p> <p>IEA995I SYMPTOM DUMP OUTPUT 412</p> <p>SYSTEM COMPLETION CODE=878 REASON CODE=0000000C</p> <p>....</p> <p>*** S40D ***</p> <p>IEF402I HPO FAILED IN ADDRESS SPACE xxxx xxx</p> <p>SYSTEM ABEND S40D - REASON CODE 10</p> <p>IMPACT:</p> <p>This will cause any FFORs executing at the time of the abend to fail and will also cause the ITK STC to abruptly crash and fail.</p> <p>CIRCUMVENTION:</p> <p>Run the FFOR jobs single threaded.</p> <p>PRODUCT(S) AFFECTED:</p> <table border="0"> <tr> <td>CA Database Organizer</td> <td>Version 16.0</td> </tr> </table>	CA Database Organizer	Version 16.0	CA Database Organizer	Version 18.0	CA Database Organizer	Version 19.0	CA Database Organizer	Version 16.0
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CA RS 1607 - PTF RO90364 Details

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CA IMS Tools 16.0  
CA RS 1607 - PTF RO90365 Details

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		<p>CA Database Organizer Version 18.0  CA Database Organizer Version 19.0  Related Problem:  DBO 1071  Copyright (C) 2016 CA. All rights reserved. R00288-I160-SP1</p> <p>DESC(FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB).  ++VER (Z038)  FMID (CIDAG00)  PRE ( RO60208 RO66416 RO78526 RO81710 RO82513 )  SUP ( TR90365 )  ++IF FMID(CHPRG00) REQ(RO90364 ) .  ++IF FMID(CIDOG00) REQ(RO90366 ) .  ++IF FMID(CITKG00) REQ(RO90367 ) .  ++IF FMID(CITSG00) REQ(RO90368 ) .  ++IF FMID(CCHAG00) REQ(RO90363 ) .  ++HOLD (RO90365) SYSTEM FMID(CIDAG00)  REASON (ACTION ) DATE (16158)  COMMENT (</p> <pre> +-----+        CA Database Analyzer              Version 16.0        +-----+  SEQUENCE  Before using the Full Function Online Reorganization (FFOR)              function of Database Organizer for IMS for z/OS.        +-----+  PURPOSE   This describes how to activate this PTF in your environment  +-----+  USERS     All users of the Full Function Online Reorganization (FFOR)   AFFECTED  Database Organizer for IMS for z/OS (DBO).                    +-----+  KNOWLEDGE IMS Database Administration.                                   REQUIRED                                                                  +-----+  ACCESS    Ability to bounce CA Database Management for IMS started     REQUIRED  task and also the IMS systems which use FFOR.                +-----+ ***** * STEPS   TO   PERFORM * ***** 1. Wait for any pending DBO FFOR (Full Function Online Reorganization) jobs to complete. 2. Bring down all IMS systems. 3. Stop the ITK started task (STCITK is distributed name). 4. Restart the ITK started task with option TYPE=C,PAUSE=C. *Important* - the started task must be cold started! 5. Restart the IMS systems. ). </pre>

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CA RS 1607 - PTF RO90367 Details

Release	Service	Details
16.0	RO90367	<p>RO90367 M.C.S. ENTRIES = ++PTF (RO90367)</p> <p>The following items are included in this solution:  1. FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB  2. ITK STC STORAGE ABENDS (S878/S40D) WITH HIGH BMP ACTIVITY  =====</p> <p>FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB  CA Database Organizer for IMS for z/OS</p> <p>Problem Description:  The Full Function Online Reorg (FFOR) component of CA Database Organizer for IMS for z/OS can fail by being incorrectly disconnected from the ITK started task when there are multiple concurrent online reorganizations running. This can cause a premature stop to both the capture and replay of database updates for an online reorg, causing it to abort for no immediately obvious reason.</p> <p>Symptoms:  The ITK started task will show two disconnect messages in relative close proximity to one another for the same reorganization of a database.  (in HPOALOG)  23:58:58.22 HPO (STCxxxxx) DISCONNECT IMS1 dbdxyz  (in HPO JESMSGLG)  23.01.13 STCxxxxx HPO2900W JOBNAME: FFOR1 (JOBXXXXX) IMS: IMS1  DBD: dbdxyz  23.01.13 STCxxxxx HPO2900W *** REPOSITORY CONTAINS UPDATES NOT APPLIED...  23.01.13 STCxxxxx HPO6010E DISCONNECT FAILURE, MVS=SYS1, IMS=IMS1,  RC=000xxxxx, R0=0  HPO2405I REORG FFOR1 JOBxxxxx HAS ENDED ON SYS1...  The FFOR job may then fail with the following messages...  HPO3006E FAILURE DURING REQUEST PROCESSING - CHECK xxx STC OUTPUT ON SYS1  HPO1701E STC DISCONNECT FAILURE, MVS=SYS1,R15=0000013F,R0=000xxxxx  IDI7601I FUNCTION RETURN CODE = 0012 (MODULE HPOWAIT, SUFFIX(0),OFFSET 055C).  IMPACT:  The FFOR job that was run against the disconnected database can fail and end RC=12. It may also end RC=0, but will be missing updates against the database that occurred while the FFOR was running.</p> <p>CIRCUMVENTION:  Run FFOR jobs single threaded, not concurrently.</p> <p>PRODUCT(S) AFFECTED:  CA Database Organizer Version 16.0  CA Database Organizer Version 18.0  CA Database Organizer Version 19.0</p> <p>Related Problem:  DBO 1074  =====</p> <p>ITK STC STORAGE ABENDS (S878/S40D) WITH HIGH BMP ACTIVITY  CA Database Organizer for IMS for z/OS</p> <p>PROBLEM DESCRIPTION:  The Full Function Online Reorg (FFOR) component of CA Database Organizer for IMS for z/OS may encounter storage related abends when executing multiple concurrent FFOR functions that have a high volume of updates against the database(s) being reorganized. These abends may manifest as either a S878-0C or S40D-10.</p> <p>SYMPTOMS:  *** S878 ***  IEA995I SYMPTOM DUMP OUTPUT 412  SYSTEM COMPLETION CODE=878 REASON CODE=0000000C  ....  *** S40D ***  IEF402I HPO FAILED IN ADDRESS SPACE xxxx xxx  SYSTEM ABEND S40D - REASON CODE 10</p> <p>IMPACT:  This will cause any FFORs executing at the time of the abend to fail and will also cause the ITK STC to abruptly crash and fail.</p> <p>CIRCUMVENTION:  Run the FFOR jobs single threaded.</p> <p>PRODUCT(S) AFFECTED:  CA Database Organizer Version 16.0</p>



CA IMS Tools 16.0  
CA RS 1607 - PTF RO90367 Details

Release	Service	Details
		<p>CA Database Organizer Version 18.0  CA Database Organizer Version 19.0  Related Problem:  DBO 1071  Copyright (C) 2016 CA. All rights reserved. R00288-I160-SP1</p> <p>DESC(FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB).  ++VER (Z038)  FMID (CITKG00)  PRE ( RO62507 RO63271 RO63820 RO70567 RO77661 RO79683  RO81712 RO89597 )  SUP ( TR61331 TR63360 TR90367 )  ++IF FMID(CHPRG00) REQ(RO90364 ) .  ++IF FMID(CIDAG00) REQ(RO90365 ) .  ++IF FMID(CIDOG00) REQ(RO90366 ) .  ++IF FMID(CITSG00) REQ(RO90368 ) .  ++IF FMID(CCHAG00) REQ(RO90363 ) .  ++HOLD (RO90367) SYSTEM FMID(CITKG00)  REASON (ACTION ) DATE (16158)  COMMENT (</p> <pre> +-----+             IMS Toolkit Common Component                Version 16.0             +-----+  SEQUENCE  Before using the Full Function Online Reorganization (FFOR)               function of Database Organizer for IMS for z/OS.            +-----+  PURPOSE   This describes how to activate this PTF in your environment  +-----+  USERS     All users of the Full Function Online Reorganization (FFOR)   AFFECTED  Database Organizer for IMS for z/OS (DBO).                      +-----+  KNOWLEDGE  IMS Database Administration.                                     REQUIRED                                                                     +-----+  ACCESS    Ability to bounce CA Database Management for IMS started      REQUIRED   task and also the IMS systems which use FFOR.                +-----+ ***** * STEPS    TO    PERFORM * ***** 1. Wait for any pending DBO FFOR (Full Function Online Reorganization) jobs to complete. 2. Bring down all IMS systems. 3. Stop the ITK started task (STCITK is distributed name). 4. Restart the ITK started task with option TYPE=C,PAUSE=C. *Important* - the started task must be cold started! 5. Restart the IMS systems. ). </pre>

CA IMS Tools 16.0  
CA RS 1607 - PTF RO90368 Details

Release	Service	Details
16.0	RO90368	<p>RO90368 M.C.S. ENTRIES = ++PTF (RO90368)</p> <p>The following items are included in this solution:  1. FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB  2. ITK STC STORAGE ABENDS (S878/S40D) WITH HIGH BMP ACTIVITY  =====</p> <p>FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB  CA Database Organizer for IMS for z/OS</p> <p>Problem Description:  The Full Function Online Reorg (FFOR) component of CA Database Organizer for IMS for z/OS can fail by being incorrectly disconnected from the ITK started task when there are multiple concurrent online reorganizations running. This can cause a premature stop to both the capture and replay of database updates for an online reorg, causing it to abort for no immediately obvious reason.</p> <p>Symptoms:  The ITK started task will show two disconnect messages in relative close proximity to one another for the same reorganization of a database.  (in HPOALOG)  23:58:58.22 HPO (STCxxxxx) DISCONNECT IMS1 dbdxyz  (in HPO JESMSGLG)  23.01.13 STCxxxxx HPO2900W JOBNAME: FFOR1 (JOBXXXXX) IMS: IMS1  DBD: dbdxyz  23.01.13 STCxxxxx HPO2900W *** REPOSITORY CONTAINS UPDATES NOT APPLIED...  23.01.13 STCxxxxx HPO6010E DISCONNECT FAILURE, MVS=SYS1, IMS=IMS1, RC=000xxxxx, R0=0  HPO2405I REORG FFOR1 JOBxxxxx HAS ENDED ON SYS1...  The FFOR job may then fail with the following messages...  HPO3006E FAILURE DURING REQUEST PROCESSING - CHECK xxx STC OUTPUT ON SYS1  HPO1701E STC DISCONNECT FAILURE, MVS=SYS1,R15=0000013F,R0=000xxxxx  IDI7601I FUNCTION RETURN CODE = 0012 (MODULE HPOWAIT, SUFFIX(0),OFFSET 055C).  IMPACT:  The FFOR job that was run against the disconnected database can fail and end RC=12. It may also end RC=0, but will be missing updates against the database that occurred while the FFOR was running.</p> <p>CIRCUMVENTION:  Run FFOR jobs single threaded, not concurrently.</p> <p>PRODUCT(S) AFFECTED:  CA Database Organizer Version 16.0  CA Database Organizer Version 18.0  CA Database Organizer Version 19.0</p> <p>Related Problem:  DBO 1074  =====</p> <p>ITK STC STORAGE ABENDS (S878/S40D) WITH HIGH BMP ACTIVITY  CA Database Organizer for IMS for z/OS</p> <p>PROBLEM DESCRIPTION:  The Full Function Online Reorg (FFOR) component of CA Database Organizer for IMS for z/OS may encounter storage related abends when executing multiple concurrent FFOR functions that have a high volume of updates against the database(s) being reorganized. These abends may manifest as either a S878-0C or S40D-10.</p> <p>SYMPTOMS:  *** S878 ***  IEA995I SYMPTOM DUMP OUTPUT 412  SYSTEM COMPLETION CODE=878 REASON CODE=0000000C  ....  *** S40D ***  IEF402I HPO FAILED IN ADDRESS SPACE xxxx xxx  SYSTEM ABEND S40D - REASON CODE 10</p> <p>IMPACT:  This will cause any FFORs executing at the time of the abend to fail and will also cause the ITK STC to abruptly crash and fail.</p> <p>CIRCUMVENTION:  Run the FFOR jobs single threaded.</p> <p>PRODUCT(S) AFFECTED:  CA Database Organizer Version 16.0</p>

CA IMS Tools 16.0  
CA RS 1607 - PTF RO90368 Details

Release	Service	Details
		<p>CA Database Organizer Version 18.0  CA Database Organizer Version 19.0  Related Problem:  DBO 1071  Copyright (C) 2016 CA. All rights reserved. R00288-I160-SP1</p> <p>DESC(FFOR FAILS/MISSING UPDATES DUE TO PREMATURE DISCONNECT OF DB).  ++VER (Z038)  FMID (CITSG00)  PRE ( RO70568 RO72449 RO73102 RO77662 RO82013 RO87271 )  SUP ( RO69471 TR69471 TR72407 TR90368 )  ++IF FMID(CHPRG00) REQ(RO90364 ) .  ++IF FMID(CIDAG00) REQ(RO90365 ) .  ++IF FMID(CIDOG00) REQ(RO90366 ) .  ++IF FMID(CITKG00) REQ(RO90367 ) .  ++IF FMID(CCHAG00) REQ(RO90363 ) .  ++HOLD (RO90368) SYSTEM FMID(CITSG00)  REASON (ACTION ) DATE (16158)  COMMENT (</p> <pre> +-----+        IMS Toolkit Started Task Component          Version 16.0        +-----+  SEQUENCE  Before using the Full Function Online Reorganization (FFOR)              function of Database Organizer for IMS for z/OS.            +-----+  PURPOSE   This describes how to activate this PTF in your environment  +-----+  USERS     All users of the Full Function Online Reorganization (FFOR)   AFFECTED  Database Organizer for IMS for z/OS (DBO).                    +-----+  KNOWLEDGE IMS Database Administration.                                   REQUIRED                                                                  +-----+  ACCESS    Ability to bounce CA Database Management for IMS started      REQUIRED  task and also the IMS systems which use FFOR.                +-----+ ***** * STEPS   TO   PERFORM * ***** 1. Wait for any pending DBO FFOR (Full Function Online Reorganization) jobs to complete. 2. Bring down all IMS systems. 3. Stop the ITK started task (STCITK is distributed name). 4. Restart the ITK started task with option TYPE=C,PAUSE=C. *Important* - the started task must be cold started! 5. Restart the IMS systems. ). </pre>