<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>RO90331</td>
<td>CCIPC: UPGRADE OPENSSL TO 1.0.2H</td>
<td>PTF</td>
</tr>
<tr>
<td></td>
<td>RO92793</td>
<td>ABEND SOC4 IN CCEFETTL AT +X'704'.</td>
<td>PTF</td>
</tr>
<tr>
<td></td>
<td>RO92926</td>
<td>ZIIP ENABLEMENT - HANG IF IEAVRLS FAILS</td>
<td>PTF</td>
</tr>
<tr>
<td></td>
<td>RO92964</td>
<td>RESOLUTION OF CHECKPOINT AND PERFORMANCE PROBLEMS</td>
<td>PTF</td>
</tr>
<tr>
<td></td>
<td>RO92985</td>
<td>ADD TDM/FM</td>
<td>PTF</td>
</tr>
<tr>
<td></td>
<td>RO93330</td>
<td>CHANGES TO &quot;C&quot; MODULES</td>
<td>PTF</td>
</tr>
<tr>
<td></td>
<td>RO93537</td>
<td>TEMPORARY DATA SETS ARE NOT DELETED</td>
<td>PTF</td>
</tr>
<tr>
<td></td>
<td>RO93725</td>
<td>SOC4 LDMAMS ARCHIVE SWITCH</td>
<td>PTF</td>
</tr>
</tbody>
</table>

The CA RS 1701 service count for this release is 8
### CA RS 1701 Service List for CAS9E10

<table>
<thead>
<tr>
<th>FMID</th>
<th>Service</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS9E10</td>
<td>R092793</td>
<td>ABEND SOC4 IN CCSFETTL AT +X'704'.</td>
<td>PTF</td>
</tr>
<tr>
<td></td>
<td>R092926</td>
<td>ZIIP ENABLEMENT - HANG IF IEAVRLS FAILS</td>
<td>PTF</td>
</tr>
<tr>
<td></td>
<td>R093537</td>
<td>TEMPORARY DATA SETS ARE NOT DELETED</td>
<td>PTF</td>
</tr>
</tbody>
</table>

The CA RS 1701 service count for this FMID is 3
## CA RS 1701 Service List for CAW1E10

<table>
<thead>
<tr>
<th>FMID</th>
<th>Service</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAW1E10</td>
<td>R092964</td>
<td>RESOLUTION OF CHECKPOINT AND PERFORMANCE PROBLEMS</td>
<td>PTF</td>
</tr>
</tbody>
</table>

The CA RS 1701 service count for this FMID is 1.
<table>
<thead>
<tr>
<th>FMID</th>
<th>Service</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAW4E10</td>
<td>RO90331</td>
<td>CCIPC: UPGRADE OPENSSL TO 1.0.2H</td>
<td>PTF</td>
</tr>
</tbody>
</table>

The CA RS 1701 service count for this FMID is 1
<table>
<thead>
<tr>
<th>FMID</th>
<th>Service</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBUJE00</td>
<td>RO93330</td>
<td>CHANGES TO &quot;C&quot; MODULES</td>
<td>PTF</td>
</tr>
<tr>
<td></td>
<td>RO93725</td>
<td>S0C4 LDMAMS ARCHIVE SWITCH</td>
<td>PTF</td>
</tr>
</tbody>
</table>

The CA RS 1701 service count for this FMID is 2
### CA RS 1701 Service List for CFF5E10

<table>
<thead>
<tr>
<th>FMID</th>
<th>Service</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFF5E10</td>
<td>RO92985</td>
<td>ADD TDM/FM</td>
<td>PTF</td>
</tr>
</tbody>
</table>

The CA RS 1701 service count for this FMID is 1.
<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>RO90331</td>
<td><strong>M.C.S. ENTRIES = ++PTF (RO90331)</strong></td>
</tr>
</tbody>
</table>

**CCIPC: UPGRADE OPENSSL TO 1.0.2H**

**ENHANCEMENT DESCRIPTION:**
In Release 14.1.1, the OpenSSL software has been upgraded to release 1.0.2h.

**PRODUCT(S) AFFECTED:**
CA Common Services for z/OS Release 14.1
Common Communications Interface with SSL Release 14.1

**ENHANCEMENT ENABLEMENT:**
This PTF delivers new versions (r14.1.1) of the CCIPC 32-Bit and 64-Bit self extracting install exe files. SMP application of this PTF will result in replacement of CAW0OPTN members CCIPCS32 and CCIPCS64. FTP in binary mode the member(s) to the PC that is running CCIPC and rename the PC file(s) to CCIPCS32.exe or CCIPCS64.exe respectively.

After downloading the file(s) you can install CCIPC over your existing install by double clicking on the exe file(s).

Then once the uninstall completes, double click the exe file again and follow the prompts for installation.

**Related Problem:**
CCIMVS 1102

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**DESC(CCIPC: UPGRADE OPENSSL TO 1.0.2H).**
++VER (Z038)
FMID (CAW4E10)
PRE ( RO43788 )
SUP ( RO59803 RO63046 RO74658 TR59803 TR63046 TR74658 TR90331 )
<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>RO92793</td>
<td>M.C.S. ENTRIES - ++PTF (RO92793)</td>
</tr>
</tbody>
</table>

ABEND S0C4 IN CCSFETTL AT +X'704'.

PROBLEM DESCRIPTION:
If a CA product exploits the CA-CCS recovery services, an abend S0C4 can occur in CCSFETTL if examining an LE C split module when one part is 24 bit while another is 31 bit.

SYMPTOMS:
S0C4 Abend, possible dump.

IMPACT:
The CA product may not recover from the orginal abend as intended.

CIRCUMVENTION:
None.

PROBLEM RESOLUTION:
Deploy updated CAW0LINK, refresh LLA, and start CAS9 with the RIMPARM:
PRODUCT(CAIRIM) VERSION(CAS9) INIT(CAS9INIT) PARM(REFRESH(SERVABIL))

PRODUCT(S) AFFECTED:
Resource Initialization Manager

Related Problem:
CAIRIM 564

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DESC(ABEND S0C4 IN CCSFETTL AT +X'704'.).
++VER (Z038)
FMID (CAS9E10)
PRE ( RO78799 )
SUP ( TR92793 )
<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>RO92926</td>
<td>M.C.S. ENTRIES = ++PTF (RO92926)</td>
</tr>
</tbody>
</table>

ZIIP ENABLEMENT - HANG IF IEAVRLS FAILS

PROBLEM DESCRIPTION:
An application that uses the CA-ZIIP enablement may experience an indefinite hang when issuing the $ZE EVENTS,WAIT macro call because the IEAVRLS service encounters an internal error. This fix will allow the service to detect the error condition, produce an SVC dump, and terminate the address space. Note - This problem was only observed on systems running z/OS release 2.2 without IBM PTF UA81691 applied.

SYMPTOMS:
An application that uses CA-ZIIP enablement may stop working and cease to respond to commands. It will need to be cancelled by the operator.

IMPACT:
The affected application may cease operating or have reduced functionality.

CIRCUMVENTION:
Turn off use of CA-ZIIP enablement.

PROBLEM RESOLUTION:
Deploy updated CAW0LINK, refresh LLA if necessary and restart CA-product that uses CA-ZIIP enablement.

PRODUCT(S) AFFECTED:
Resource Initialization Manager Release 14.1

Related Problem:
CAIRIM 572

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DESC(ZIIP ENABLEMENT - HANG IF IEAVRLS FAILS).
++VER (Z038)
FMID (CAS9E10)
SUP ( AC57577 AR57370 AR65350 RO44685 RO57370 RO58619 RO65350 RO67368 RO72075 RO73636 RO82853 RO89869 TR44685 TR54054 TR57370 TR58619 TR65350 TR67368 TR72075 TR73636 TR82853 TR88777 TR89869 TR92926 )
RESOLUTION OF CHECKPOINT AND PERFORMANCE PROBLEMS

PROBLEM DESCRIPTION:
This APAR addresses performance problems caused by concurrent large volume CHECKPOINT requests running at the same time EVENTS are being created at a high rate. These problems include long chains of abandoned EVENT records in storage, possible SOC4 in the CAS9CKPT or CAS9SRVC routines, delays in CHECKPOINT processing and delays in live EVENT processing. This APAR also delivers additional ENF CTRACE capability in CAS9CKPT and a EOT RESMGR for ENF EVENT listeners. It includes changes delivered in ENF Problem numbers 914, 934, 935, 936 and 937.

SYMPTOMS:
Long delays and excessive CPU time by CA products that are doing a LISTEN for ENF EVENTS.

IMPACT:
CA Products and system can become unusable.

CIRCUMVENTION:
Recycling of ENF can temporarily relieve this problem.

PRODUCT(S) AFFECTED:
Production Notification Facility

PROBLEM RESOLUTION:
APPLY APAR with SMP/E.
Deploy CAW0LOAD as per installation standards.
Refresh LLA if necessary.
recycle ENF with a 'S ENF,,,REINIT' command

Related Problem:
ENF 938

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DESC(RESOLUTION OF CHECKPOINT AND PERFORMANCE PROBLEMS).
++VER (2038)
FMID (CAW1E10)
PRE ( RO52193 RO54507 RO55493 RO75087 )
SUP ( AR54507 RO47865 RO50494 RO62370 RO67888 RO86503
RO88063 RO90141 TR47865 TR50494 TR61434 TR62030
TR62370 TR67371 TR67888 TR68277 TR86503 TR88063
TR89142 TR90141 TR91752 TR92468 TR92523 TR92649
TR92964 )
ADD TDM/FM

ENHANCEMENT DESCRIPTION:
This APAR adds TDM/FM to the Data Collector.

ENHANCEMENT ENABLEMENT:
Deploy the CCS USS based services target file system using CAW0JCL members J2ZDploy and J2ZMount.

Related Problem:
DATCOL 5

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DESC(ADD TDM/FM).
++VER (Z038)
FMID (CFF5E10)
PRE ( RO88832 )
SUP ( TR89736 TR89736 TR92985 )
++IF FMID(CFF6E10) REQ(RO92860 )
BINARY
LINK('.../daas-engine.jar')
PARM(PATHMODE(0,7,7,5))
BINARY
LINK('.../daas-zos-network-dss-connector.jar')
PARM(PATHMODE(0,7,7,5))
BINARY
LINK('.../daas-zos-discovery-dss-connector.jar')
PARM(PATHMODE(0,7,7,5))
BINARY
LINK('.../dataCollector/bin/lib/daas-zos-platform-service.jar')
PARM(PATHMODE(0,7,7,5))
SHSCRIPT(ZDCMKDIR,PRE).
BINARY
LINK('.../BUILDINFO')
PARM(PATHMODE(0,7,7,5))
BINARY
LINK('.../daas.keystore')
PARM(PATHMODE(0,7,7,5))
BINARY
LINK('.../dataCollector/converters/daas-fmtmdm-dss-connector.jar')
PARM(PATHMODE(0,7,7,5))
SHSCRIPT(ZDCMKDIR,PRE).
BINARY
LINK('.../dataCollector/scripts/jobOutput')
PARM(PATHMODE(0,7,7,5))
SHSCRIPT(ZDCMKDIR,PRE).
BINARY
LINK('.../daas-discovery-plugin.jar')
PARM(PATHMODE(0,7,7,5))
BINARY
LINK('.../getZosSystemInfo.rexx')
PARM(PATHMODE(0,7,7,5))
BINARY
LINK('.../dataCollector/templates/jobcard')
PARM(PATHMODE(0,7,7,5))
SHSCRIPT(ZDCMKDIR,PRE).
BINARY
LINK('.../daas-conf.yml')
PARM(PATHMODE(0,7,7,5)).
BINARY
LINK('.../daas-network-plugin.jar')
PARM(PATHMODE(0,7,7,5)).
<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>BINARY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LINK('..//dataCollector/scripts/jobStatus')</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PARM(PATHMODE(0,7,7,5))</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SHSCRIPT(ZDCMKDIR,PRE) .</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BINARY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LINK('..//dataCollector/plugins/daas-fmdm-plugin.jar')</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PARM(PATHMODE(0,7,7,5))</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SHSCRIPT(ZDCMKDIR,PRE) .</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TEXT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PARM(PATHMODE(0,7,7,5)) .</td>
</tr>
</tbody>
</table>
## CHANGES TO "C" MODULES

**PROBLEM DESCRIPTION:**
Convert SAS C programs to IBM C programs.
No new functionality is being added.

**SYMPTOMS:**
None.

**IMPACT:**
None.

**CIRCUMVENTION:**
None.

**PRODUCT(S) AFFECTED:**
CA-L-Serv Release 14.0

**Related Problem:**
LSERV 164

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**DESC(CHANGES TO "C" MODULES).**
++VER (Z038)
FMID (CBUJE00)
PRE ( RO47492 )
SUP ( TR92925 TR92965 TR93015 TR93032 TR93041 TR93320 TR93330 )

<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>RO93330</td>
<td>M.C.S. ENTRIES = ++PTF (RO93330)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Changes to &quot;C&quot; Modules</th>
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</thead>
<tbody>
<tr>
<td>PROBLEM DESCRIPTION:</td>
</tr>
<tr>
<td>Convert SAS C programs to IBM C programs. No new functionality is being added.</td>
</tr>
<tr>
<td>SYMPTOMS: None.</td>
</tr>
<tr>
<td>IMPACT: None.</td>
</tr>
<tr>
<td>CIRCUMVENTION: None.</td>
</tr>
<tr>
<td>PRODUCT(S) AFFECTED: CA-L-Serv Release 14.0</td>
</tr>
</tbody>
</table>

**Related Problem:**
LSERV 164

Copyright (C) 2016 CA. All rights reserved. R00027-BUJ140-SP1

**DESC(CHANGES TO "C" MODULES).**
++VER (Z038)
FMID (CBUJE00)
PRE ( RO47492 )
SUP ( TR92925 TR92965 TR93015 TR93032 TR93041 TR93320 TR93330 )
<table>
<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>RO93537</td>
<td>M.C.S. ENTRIES = ++PTF (RO93537)</td>
</tr>
</tbody>
</table>

TEMPORARY DATA SETS ARE NOT DELETED

PROBLEM DESCRIPTION:
Data sets used for work files were given permanent data set names to resolve a security issue (problem CAIRIM-#563). These data sets were not given a disposition to cause them to be deleted when the CAUNZIP processing is completed.

SYMPTOMS:
Work data sets for SYSUT2, SYSUT3, and SYSUT4 are not deleted at the completion of CAUNZIP processing.

IMPACT:
Work data sets are not deleted at the conclusion of CAUNZIP processing.

CIRCUMVENTION:
None. These work data sets may be deleted any time after CAUNZIP completes.

PRODUCT(S) AFFECTED:
CAUNZIP

Related Problem:
CAIRIM 574

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DESC(Temporary Data Sets Are Not Deleted).
++VER (Z038)
FMID (CAS9E10)
PRE ( RO54635 RO58216 RO62474 )
SUP ( RO58379 RO68673 RO69320 RO82611 RO85819 RO88019 RO91948 TR58379 TR68673 TR69320 TR82611 TR85819 TR88019 TR91948 TR93537 )
<table>
<thead>
<tr>
<th>Release</th>
<th>Service</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>RO93725</td>
<td>RO93725  M.C.S. ENTRIES = ++PTF (RO93725)</td>
</tr>
</tbody>
</table>

**SOC4 LDMAMS ARCHIVE SWITCH**

**PROBLEM DESCRIPTION:**
A CA LSERV client address space running the LDMAMS program may abend with a SOC4 in LDMAMS. The abend may occur if the ARCHIVE SWITCH statement is used.

**SYMPTOMS:**
An SOC4 abend in the client address space.

**IMPACT:**
The job will not run.

**CIRCUMVENTION:**
Avoid the SWITCH keyword on the ARCHIVE statement or remove RO93330.

**PRODUCT(S) AFFECTED:**
CA-L-Serv  Release 14.0

**Related Problem:**
LSERV  166

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**DESC(SOC4 LDMAMS ARCHIVE SWITCH).**

++VER (Z038)
FMID (CBUJE00)
PRE ( RO93330 )
SUP ( AR93330 TR93725 )
<table>
<thead>
<tr>
<th>Product Family</th>
<th>Product</th>
<th>Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Services</td>
<td>CCS APACHE ACTIVEMQ</td>
<td>14.01.00</td>
</tr>
<tr>
<td></td>
<td>CCS APACHE TOMCAT</td>
<td>14.01.00</td>
</tr>
<tr>
<td></td>
<td>CCS DATA COLLECTOR SERVICE</td>
<td>14.01.00</td>
</tr>
<tr>
<td></td>
<td>CCS JAVA TO Z/OS SERVICE</td>
<td>14.01.00</td>
</tr>
<tr>
<td></td>
<td>CCS MESSAGE SERVICE</td>
<td>14.01.00</td>
</tr>
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<td></td>
<td>CCS SUPPLEMENTAL SERVICES</td>
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<td>COMMON SERVICES</td>
<td>14.01.00</td>
</tr>
<tr>
<td></td>
<td>COMMON SERVICES</td>
<td>14.00.00</td>
</tr>
</tbody>
</table>

The CA RS 1701 Product/Component Count for this release is 8