Service	Description	Type
LU02298	ABEND S0C4-11 GSVXCNVS RUNNING SECURITY CONVERSION	PTF
LU02427	SECURITY OR INTEGRITY PROBLEM	** PRP **
LU02548	COMMAND-CONSOLE OPTION NOT ALWAYS USED	PTF
LU02568	UFILESYS USED FIELD OVERFLOW	PTF
LU02620	CONTINUOUS DELIVERY LEVEL SET 16.0.02	PTF
LU02664	UFILESYS SP LINE COMMAND LEAVES PRINT FILE OPEN	PTF
LU02748	CICSMAIL CAPTURE PRODUCES UNDEFINED VARIABLE MESSAGES	PTF
LU02760	ABEND S0C4-11 GSVXCASR GET$RPFT AFTER LEVEL SET 16.0.02	*HIP/PRP*
LU02875	Z/OS 2.5 COMPATIBILITY SUPPORT AND RMF UPDATES	PTF

The CA RS 2110 service count for this release is   9

FMID	Service	Description	Type
CNM4G00	LU02298	ABEND S0C4-11 GSVXCNVS RUNNING SECURITY CONVERSION	PTF
	LU02427	SECURITY OR INTEGRITY PROBLEM	** PRP **
	LU02548	COMMAND-CONSOLE OPTION NOT ALWAYS USED	PTF
	LU02568	UFILESYS USED FIELD OVERFLOW	PTF
	LU02620	CONTINUOUS DELIVERY LEVEL SET 16.0.02	PTF
	LU02664	UFILESYS SP LINE COMMAND LEAVES PRINT FILE OPEN	PTF
	LU02748	CICSMAIL CAPTURE PRODUCES UNDEFINED VARIABLE MESSAGES	PTF
	LU02760	ABEND S0C4-11 GSVXCASR GET$RPFT AFTER LEVEL SET 16.0.02	*HIP/PRP*
	LU02875	Z/OS 2.5 COMPATIBILITY SUPPORT AND RMF UPDATES	PTF
		The CA RS 2110 service count for this FMID is 9	

Service	Details
LU02298	LU02298 M.C.S. ENTRIES = ++PTF (LU02298) ABEND S0C4-11 GSVXCNVS RUNNING SECURITY CONVERSION PROBLEM DESCRIPTION: Abend S0C4-11 is possible in the GSVXCNVS security conversion utility. In the reported case some security User Group records somehow had bad data where the Command Groups section would have been, and code added by PTF SO10853 picked up this garbage data as a length value causing the S0C4 abend. SYMPTOMS: The security conversion job fails with messages similar to the following: SYSTEM COMPLETION CODE=0C4 REASON CODE=00000011 PSW AT TIME OF ERROR 478D0000 BB002D0C ILC 2 INTC 11 ACTIVE MODULE ADDRESS=00000000_3B000000 OFFSET=00002D0C NAME=GSVXCNVS DATA AT PSW 3B002D06 - 5840A140 18530E24 A7F40002 GR 0: 00000000 1: 3BA0B060 2: 3BA7F000 3: 000015B8 4: 3BA10000 5: 000015B8 6: 00000000 7: 3BA7AEFC 8: 3BA7A060 9: 00000000 A: 3B004000 B: 3B005000 C: 3B0029B0 D: 3B891018 E: BB002AE8 F: 00000000 IMPACT: Security conversion fails. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 13566 Copyright (C) 2021 CA. All rights reserved. R00225-NM4160-SP0 DESC(ABEND S0C4-11 GSVXCNVS RUNNING SECURITY CONVERSION). ++VER (Z038) FMID (CNM4G00) PRE (SO10853 SO12257) SUP (AS12257 LT01522 LT02298 LU01522)

Service	Details
LU02427	LU02427 M.C.S. ENTRIES = ++PTF (LU02427) SECURITY OR INTEGRITY PROBLEM PROBLEM DESCRIPTION: Security or Integrity Problem. SYMPTOMS: N/A IMPACT: Security or Integrity Problem. CIRCUMVENTION: N/A PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 13580 Copyright (C) 2021 CA. All rights reserved. R00228-NM4160-SP0 DESC(SECURITY OR INTEGRITY PROBLEM). ++VER (Z038) FMID (CNM4G00) PRE (LU00517 LU02191 SO12125 SO14533) SUP (KC08481 LT02427) ++HOLD (LU02427) SYSTEM FMID(CNM4G00) REASON (ACTION) DATE (21273) COMMENT (

```
+---------------------------------------------------------------------+
|      CA SYSVIEW PERFORMANCE MANAGEMENT              Version 16.0     |
+----------+----------------------------------------------------------+
|SEQUENCE  | Before Restart                                           |
+----------+----------------------------------------------------------+
|PURPOSE   | New security requirement for SYSVAPPS STC userid         |
+----------+----------------------------------------------------------+
|USERS     | All users of the SYSVIEW Application Server              |
|AFFECTED  |                                                          |
+----------+----------------------------------------------------------+
|KNOWLEDGE | Security administration                                  |
|REQUIRED  |                                                          |
+----------+----------------------------------------------------------+
|ACCESS    | Security administration                                  |
|REQUIRED  |                                                          |
+----------+----------------------------------------------------------+
**************************
* STEPS    TO    PERFORM *
**************************
Once this fix is applied the userid assigned to the SYSVAPPS STC must
have security UPDATE access to entity BPX.DAEMON
ACF2:
$KEY(BPX) TYPE(FAC) DAEMON UID(*****SYSVAPPS) SERVICE(UPDATE) ALLOW
RACF:
PERMIT BPX.DAEMON CLASS(FACILITY) ID(SYSVAPPS) ACCESS(UPDATE)
Top Secret:
TSS PERMIT(SYSVAPPS) IBMFAC(BPX.DAEMON) ACCESS(UPDATE)
If it does not then any calls to the REST API will fail with the
following reply error:
```

Service	Details

	{
	"messages": Ý
	{
	"messageType": "ERROR",
	"messageNumber": "ZWEAS510",
	"messageContent": "The service security request failed: Platform s
	ecurity request has failed: module=zowe-commons-secur, function=0, errno
	=139. Please contact the service administrator.",
	"messageKey": "org.zowe.commons.rest.securityRequestFailed",
	"messageParameters": Ý
	"Platform security request has failed: module=zowe-commons-secur
	,function=0, errno=139"
	¨,
	"messageInstanceId": "91fd1157-0530-450a-8cdf-e28f35fa2a37",
	"messageComponent": "org.zowe.commons.spring.CustomRestExceptionH
	andler",
	"messageSource": "zm3e.bpc.broadcom.net:30080:zowesample"
	}
	¨
	}
	).
	++HOLD (LU02427) SYSTEM FMID(CNM4G00)
	REASON (RESTART) DATE (21273)
	COMMENT (
	
	+--+
	| CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 |
	+----------+---+
	|SEQUENCE | After Apply |
	+----------+---+
	|PURPOSE | To implement the fix |
	+----------+---+
	|USERS | All users of the SYSVIEW REST API |
	|AFFECTED | |
	+----------+---+
	|KNOWLEDGE | Product Administration |
	|REQUIRED | |
	+----------+---+
	|ACCESS | Product libraries |
	|REQUIRED | |
	+----------+---+
	**************************
	* STEPS TO PERFORM *
	**************************
	If you do not run the SYSVAPPS Application Server task, then this HOLD
	can be ignored.
	After applying this PTF, the Application Server target directories
	will need to be deployed to your site's run-time environment. Follow
	these steps to implement the change:
	1. Stop the SYSVAPPS task (P SYSVAPPS).
	2. Deploy the SMP/E managed directories to the run-time directories
	by running the smpehlq.CNM4BSAM(GSVUAPSM) sample JCL. You will
	need to set PATHPFX to the USS directory path prefix used for
	installation (see comments in the JCL).
	3. Start the SYSVAPPS task (S SYSVAPPS).

Service	Details
	). BINARY LINK('../SYSVIEW-app-server.jar') PARM(PATHMODE(0,7,7,5)) . BINARY LINK('../libGSVXRAPI.so') PARM(PATHMODE(0,7,7,5)) . BINARY LINK('../libzowe-commons-secur.so') PARM(PATHMODE(0,7,7,5)) .

Service	Details
LU02548	LU02548 M.C.S. ENTRIES = ++PTF (LU02548) COMMAND-CONSOLE OPTION NOT ALWAYS USED PROBLEM DESCRIPTION: In external security products, it is possible to limit access to modify JES jobs by using a WHEN statement, such as in the following rule: PERMIT JES2.** CLASS(OPERCMDS) WHEN(CONSOLE(console-name)) SYSVIEW uses the CNM4BPRM(OPTIONS) option Command-Console to associate a console name when issuing JES commands. However, line commands from some SYSVIEW displays were ignoring the console name association, and therefore the commands could fail. SYMPTOMS: A message like the following could appear in SYSLOG because the user is only allowed access to the indicated OPERCMDS command when it is issued from the specified console: ICH408I USER(userid) GROUP(group) NAME(user name) 463 JES2.CANCEL.BAT CL(OPERCMDS) INSUFFICIENT ACCESS AUTHORITY FROM JES2.** (G) ACCESS INTENT(UPDATE) ACCESS ALLOWED(NONE) IMPACT: Unable to cancel JES jobs from these displays: ACTIVITY ALLOCDS ASLIST CICSLIST JINIT JNETSERV CIRCUMVENTION: Use one of these displays instead: JJOBGRP JJOBQUE JLINES JOBSUM JSPOOLS LISTINP PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 CA SYSVIEW PERFORMANCE MANAGEMENT Version 15.0 Related Problem: SYSVW 14605 Copyright (C) 2021 CA. All rights reserved. R00233-NM4160-SP0 DESC(COMMAND-CONSOLE OPTION NOT ALWAYS USED). ++VER (Z038) FMID (CNM4G00) PRE (LU00527) SUP (LT02548)

Service	Details
LU02568	LU02568 M.C.S. ENTRIES = ++PTF (LU02568) UFILESYS USED FIELD OVERFLOW PROBLEM DESCRIPTION: The UFILESYS command has a Used field that displays the percentage of total blocks in use. When calculating this field, it is possible to see a value greater than 100% if the Blocks field contains a large value. SYMPTOMS: The Used field on the UFILESYS command contains a value greater than 100%. IMPACT: Incorrect value displayed in the Used field on the UFILESYS command. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 15.0 CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 14638 Copyright (C) 2021 CA. All rights reserved. R00234-NM4160-SP0 DESC(UFILESYS USED FIELD OVERFLOW). ++VER (Z038) FMID (CNM4G00) SUP (LT02568)

Service	Details
LU02620	LU02620 M.C.S. ENTRIES = ++PTF (LU02620) CONTINUOUS DELIVERY LEVEL SET 16.0.02 PROBLEM DESCRIPTION: This PTF will set the CA SYSVIEW Level Set load module to Level Set 16.0.02. SYMPTOMS: None. IMPACT: None. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 14681 Copyright (C) 2021 CA. All rights reserved. R00237-NM4160-SP0 DESC(CONTINUOUS DELIVERY LEVEL SET 16.0.02). ++VER (Z038) FMID (CNM4G00) PRE (LU00279 LU00395 LU00409 LU00417 LU00517 LU00527 LU00548 LU00552 LU00595 LU00630 LU00704 LU00742 LU00763 LU00806 LU00838 LU00849 LU00894 LU00919 LU00933 LU00951 LU00958 LU01005 LU01050 LU01064 LU01071 LU01095 LU01098 LU01112 LU01138 LU01276 LU01337 LU01353 LU01368 LU01394 LU01501 LU01511 LU01522 LU01568 LU01687 LU01709 LU01773 LU01826 LU01855 LU01896 LU02000 LU02016 LU02032 LU02125 LU02191 LU02244 LU02262 LU02316 LU02367 LU02441 LU02534 SO13275 SO14740 SO14746 SO14761 SO14768 SO14894 SO14921 SO14945 SO14964 SO14985 SO15053 SO15081 SO15206 SO15210 SO15212 SO15274 SO15325 SO15374 SO15433 SO15474 SO15518 SO15546 SO15746 SO15783 SO15790 SO16018 SO16034 SO16035 SO16069 SO16108 SO16162 SO16213 SO16215 SO16292 SO16310) SUP (LT02620 SO14696 ST13995 ST14696)

Service	Details
LU02664	LU02664 M.C.S. ENTRIES = ++PTF (LU02664) UFILESYS SP LINE COMMAND LEAVES PRINT FILE OPEN PROBLEM DESCRIPTION: The SP line command on the UFILESYS, ULISTDIR and UPROCESS command displays appears to not work. It does perform the function of printing the indicated detail displays, but leaves the PRINT file open and provides no visual indication of what it did. SYMPTOMS: The SP line command just redisplays the data on UFILESYS, ULISTDIR, UPROCESS with no message, and doesn't close the generated PRINT file. IMPACT: Confusion on whether the SP line command worked. CIRCUMVENTION: After using SP line command issue PRINT CLOSE. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 15.0 CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 13581 Copyright (C) 2021 CA. All rights reserved. R00238-NM4160-SP0 DESC(UFILESYS SP LINE COMMAND LEAVES PRINT FILE OPEN). ++VER (Z038) FMID (CNM4G00) PRE (LU02191 SO10853 SO15081) SUP (LT02664)

Service	Details
LU02748	LU02748 M.C.S. ENTRIES = ++PTF (LU02748) CICSMAIL CAPTURE PRODUCES UNDEFINED VARIABLE MESSAGES PROBLEM DESCRIPTION: Using CICSMAIL with a CICS STATE definition results in two variables being marked as undefined. The two variables are Terminal ID and Userid. The email sent will not have the &22 and &23 variables resolved. SYMPTOMS: Messages produced in LISTLOG for the CAPTURE task are: GSVX552W Variable not defined - &22 GSVX552W Variable not defined - &23 The email that gets sent will show &22 and &23 instead of the actual variable values. IMPACT: Incomplete email notification. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA SYSVIEW PERFORMANCE MANAGEMENT Version 15.0 CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 Related Problem: SYSVW 14765 Copyright (C) 2021 CA. All rights reserved. R00239-NM4160-SP0 DESC(CICSMAIL CAPTURE PRODUCES UNDEFINED VARIABLE MESSAGES). ++VER (Z038) FMID (CNM4G00) PRE (LU00849 SO11875 SO12816 SO13538 SO13751) SUP (LT02748)

Service	Details
LU02760	LU02760 M.C.S. ENTRIES = ++PTF (LU02760)

ABEND S0C4-11 GSVXCASR GET$RPFT AFTER LEVEL SET 16.0.02

PROBLEM DESCRIPTION:

After applying the SYSVIEW 16.0 Level Set 16.0.02, PTF LU02620,

and already having the CCS Feature Registration Service PTF

SO15973 applied, it is possible SYSVIEW will experience a

S0C4-11 abend or overlay storage at startup. This erroneous

situation will only occur if SYSVIEW was started prior to

applying PTF LU02620 and then restarted after applying PTF LU02620

without an intervening IPL. In addition, either PTF LU00951

must have been applied at the same time as PTF LU02620 or the

SYSVIEW System Configuration member must have been updated in

between the two start-ups of SYSVIEW for this bug to occur.

SYMPTOMS:

The following abend can be seen in whichever SYSVIEW address

space (SYSVIEW, SYSVUSER, SYSVAUX) starts first after applying

PTF LU02620:

GSVX451E (MAIN) Abend S0C4-11 in Address space controller

GSVX457I (MAIN) Psw 078C2000 BB54903E Ilc 6 Intc 11

GSVX477I (MAIN) Key 8 State SUP Am 31 Asc PRI

GSVX458I (MAIN) Module GSVXNUC Addr 3B117000 Offset 0043203E

GSVX458I (MAIN) NucMod GSVXCASR Addr 3B5442D8 Offset 00004D66

GSVX450I (MAIN) FixLvl BASE

GSVX473I (MAIN) Routne GET$RPFT Addr 3B548F70 Offset 000000CE

GSVX459I (MAIN) Data at PSW addr 3B549038

GSVX460I (MAIN) C19447F0 C194D207 2000A1C2

GSVX455I (MAIN) General registers at entry to abend

GSVX467I (MAIN)   R0-R1   00000000_00010008 00000000_00074D20

GSVX467I (MAIN)   R2-R3   00000000_00074D60 00000000_3B111A18

GSVX467I (MAIN)   R4-R5   00000000_00000038 00000000_08110078

GSVX467I (MAIN)   R6-R7   00000000_3B9C4EE0 00000000_08110078

GSVX467I (MAIN)   R8-R9   00000000_3B113000 00000000_3BA21060

GSVX467I (MAIN) R10-R11 00000000_3B54A038 00000000_3B111000

GSVX467I (MAIN) R12-R13 00000000_3B548F70 00000000_3B9C5358

GSVX467I (MAIN) R14-R15 00000000_BB5490C6 00000000_00000000

GSVX475I (MAIN) Access registers at entry to abend

GSVX461I (MAIN) AR0-AR3 00000000 00000000 00000000 00000000

GSVX461I (MAIN) AR4-AR7 00000000 00000000 00000000 00000000

GSVX461I (MAIN) AR8-AR11 00000000 00000000 00000000 00000000

GSVX461I (MAIN) AR12-AR15 00000000 00000000 00000000 00000000

GSVX462I (MAIN) End of symptom dump

It is also possible for a storage overlay to occur resulting

in unpredictable behavior.

IMPACT:

Unable to start SYSVIEW.

CIRCUMVENTION:

Restarting the SYSVIEW address space will correct the behavior.

PRODUCT(S) AFFECTED:

CA SYSVIEW PERFORMANCE MANAGEMENT   Version 16.0

Related Problem:

SYSVW 14758

Service	Details
	DESC(ABEND S0C4-11 GSVXCASR GET$RPFT AFTER LEVEL SET 16.0.02). ++VER (Z038) FMID (CNM4G00) PRE (LU00548 LU00951 SO14533) SUP (JC08481 LT02760)

DESC(ABEND S0C4-11 GSVXCASR GET$RPFT AFTER LEVEL SET 16.0.02).

++VER (Z038)

FMID (CNM4G00)

PRE (LU00548 LU00951 SO14533)

Service	Details
LU02875	LU02875 M.C.S. ENTRIES = ++PTF (LU02875) Z/OS 2.5 COMPATIBILITY SUPPORT AND RMF UPDATES ENHANCEMENT DESCRIPTION: Compatibility support for IBM z/OS 2.5. The following updates were added in support of z/OS 2.5: 1. Updated SDSF compatibility menu and command exit. The SDSF menu and command exit were updated to associate SDSF commands added with z/OS 2.5 with a SYSVIEW command. The follow were added: SDSF Command SYSVIEW Command ------------ --------------- LLS LINKSETS MEM DUMP CFD PLEXCPL SVC SVCTABLE SYSP IPLINFO CS COMMON PC PCLIST AD ASLIST 2. New JES2 2.5 configuration module. A JES2 2.5 configuration module named GSVBJ250 was added. 3. New z/OS and JES2 2.5 map modules. A set of z/OS and JES2 2.5 control block map modules named SVWX725 and SVWJ2725 respectively were added. Additionally, a set of sample jobs named JES2MAPS and JES3MAPS that are inadvertently missing from CNM4BSAM were added to optionally create your own map modules. 4. Updated IPCONFIG command. Several new TCP parameters from z/OS 2.5 and prior z/OS releases are displayed: SMF Type 119 parameters: ZertDetailByPolicy ZertSummary Global Configuration parameters: Aggregation AutoIQDC DelayJoinIpsec IkedRequired MonIpSec PolicyRequired ZertSrvByPolicy Zert parameters: INTVL SYNCVAL Network Monitor Configuration parameter: ZertSum 5. Updated SMFTYPE command and parmlib member. The SMFTYPE command and its associated parmlib member were updated with descriptions of new SMF type 119 subtypes. 6. Updated SMF record type 70 subtype 1 formatter. Several new fields added in z/OS 2.5 and prior releases from the SMF record type 70 subtype 1 are now displayed with the SMFRPT command when selecting a record from the SMFLOG command. -

Service	Details
	In addition to z/OS 2.5, the following RMF enhancements were added: 1. New RMCRYACC command. The RMCRYACC command was added to display information about cryptographic processors configured in accelerator mode. This command was added to the RMF menu. 2. New RMCRYOVW command. The RMCRYOVW command was added to display overview information about cryptographic hardware. This command was added to the RMF menu. 3. New RMCRYPKC command. The RMCRYPKC command was added to display activity information about cryptographic hardware configured in PKCS11 coprocessor mode. This command was added to the RMF menu. 4. New RMEADM command. The RMEADM command was added to display Extended Asynchronous Data Mover (EADM) statistics. This command was added to the RMF menu. 5. New RMFSLIST command. The RMFSLIST command was added to display zFS statistics for file systems. This command was added to the RMF menu. 6. New RMFSSTAT command. The RMFSSTAT command was added to display zFS system and cache statistics. This command was added to the RMF menu. 7. New RMJSTAT command. The RMJSTAT command was added to display job state delay analysis. This command was added to the RMF menu. 8. New RMPCIE command. The RMPCIE command was added to display information about Peripheral Component Interconnect Express (PCIe) functions. This command was added to the RMF menu. - In addition to z/OS 2.5, the following z/OS enhancements were added: 1. New CPUSUM command. The CPUSUM command was added to display PR/SM level CPU utilization collected and summarized by the MVS data collector over a user specified interval up to one hour. The command displays real-time processor configuration in combination with historical CPU utilization and CPU relative share utilization. This command was added to the CPU menu. 2. Updated IPTCONN command. The IPTCONN command was updated to display TLS 1.3 information. The following fields can show the following new values: Field: TLSSSL Values: TLS13 Field: TLSCiph Values: TLS_AES_128_GCM_SHA256 TLS_AES_256_GCM_SHA256 TLS_CHACHA20_POLY1305_SHA256 3. Updated PRIVATE command. The PRIVATE command was updated to display a new IEP field on the ALLOC and INUSE screen. The IEP field indicates if Instruction Execution Protection is active for a given storage allocation. 4. Updated GPRIVATE command. The GPRIVATE command was updated to display a new IEP field. The IEP field indicates if Instruction Execution Protection is active for a given storage allocation.

Service	Details
	5. New SMSAGGRG command. The SMSAGGRG command was added to display the names and attributes of SMS aggregate groups defined in the active SMS configuration. This command was added to the SMS menu. 6. New SMSCLOUD command. The SMSCLOUD command was added to display the names and attributes of SMS cloud constructs defined in the active SMS configuration. This command was added to the SMS menu. 7. New SMSINFO command. The SMSINFO command was added to display active SMS subsystem and DFSMS configuration information. This command was added to the SMS menu. 8. Updated CAMAT CLIST member. The CAMAT CLISTLIB member was updated to correctly invoke Mainframe Application Tuner with fewer manual updates. This command was added to the SMS menu. - In addition to z/OS 2.5, the following service unit monitoring enhancements were added: 1. New service unit MVS data collection metrics. The following service unit MVS data collection metrics were added: <pre>Metrics Description -------- ------------------------------ JOBCPUSR CPU service units per second JOBIOCSR I/O service units per second JOBMSOSR MSO service units per second JOBSRBSR SRB service units per second JOBWMSSR Service units per second WLSCPUSR CPU service units per second WLSIOCSR I/O service units per second WLSMSOSR MSO service units per second WLSSRBSR SRB service units per second WLSWMSSR Service units per second</pre>2. Updated the ACTJOB command with new values. The ACTJOB command was updated to display the new service unit metrics added with this PTF. 3. Updated the ACTSUM command with new fields. The ACTSUM command was updated to display the following new fields: <pre>Field Description -------- ------------------------------ CPUSR CPU service units per second IOSR I/O service units per second MSOSR MSO service units per second SRBSR SRB service units per second WMSSR Service units per second</pre>4. Updated the WORKLOAD command with new fields. The WORKLOAD command was updated to display the following new fields: <pre>Field Description -------- ------------------------------ CPUSR CPU service units per second IOSR I/O service units per second MSOSR MSO service units per second SRBSR SRB service units per second WMSSR Service units per second</pre>

Service	Details
	- -
	In addition to z/OS 2.5, the following Job State Delay Analysis
	monitoring enhancements were added:
	1. New Job State Delay MVSDATA configuration option.
	The MVSDATA parmlib member was updated with a new option
	Monitor-Job-Delays:
	Option : Monitor-Job-Delays
	Default : No
	Specify if job using and delay states are to be monitored.
	Both RMF and the RMF Monitor III data gatherer RMFGAT are
	required to be active to monitor this data.
	Valid values:
	Yes - Monitor job using and delay states.
	No - Do not monitor job using and delay states.
	2. New Job State Delay MVS data collection metrics.
	The following Job State Delay MVS data collection metrics were added:
	Metric Description
	-------- ------------------------------
	JSACT% Job state active or delayed pct
	JSDCPU% Job delayed by CPU pct
	JSDDEV% Job delayed by device pct
	JSDELAY% Job delayed pct
	JSDENQ% Job delayed by enqueue pct
	JSDHSM% Job delayed by HSM pct
	JSDJES% Job delayed by JES pct
	JSDOMNT% Job delayed by OPER mount pct
	JSDOMSG% Job delayed by OPER message pct
	JSDOPER% Job delayed by OPER pct
	JSDSHRS% Job delayed for shared storage pct
	JSDSTG% Job delayed by paging or swapping pct
	JSDSUBS% Job delayed by subsystem pct
	JSDXCF% Job delayed by XCF pct
	JSIDLE% Job state idle pct
	JSSAMPLE Job state samples
	JSSWAP% Job state swapped-out pct
	JSSWAR% Job state swapped-out ready
	JSUCPU% Job using CPU pct
	JSUDEV% Job using device pct
	JSUNK% Job state unknown pct
	JSUSING% Job using pct
	3. Updated the ACTJOB command with new values.
	The ACTJOB command was updated to display the new Job State Delay
	metrics added with this PTF.
	4. Updated the ACTSUM command with new fields.
	The ACTSUM command was updated to display the following new fields:
	Field Description
	-------- ------------------------------
	JSACT% Job state active or delayed pct
	JSDCPU% Job delayed by CPU pct
	JSDDEV% Job delayed by device pct
	JSDELAY% Job delayed pct
	JSDENQ% Job delayed by enqueue pct
	JSDHSM% Job delayed by HSM pct
	JSDJES% Job delayed by JES pct

Service	Details
	JSDOMNT% Job delayed by OPER mount pct
	JSDOMSG% Job delayed by OPER message pct
	JSDOPER% Job delayed by OPER pct
	JSDSHRS% Job delayed for shared storage pct
	JSDSTG% Job delayed by paging or swapping pct
	JSDSUBS% Job delayed by subsystem pct
	JSDXCF% Job delayed by XCF pct
	JSIDLE% Job state idle pct
	JSSAMPLE Job state samples
	JSSWAP% Job state swapped-out pct
	JSSWAR% Job state swapped-out ready
	JSUCPU% Job using CPU pct
	JSUDEV% Job using device pct
	JSUNK% Job state unknown pct
	JSUSING% Job using pct
	PRODUCT(S) AFFECTED:
	SYSVIEW PERFORMANCE MANAGEMENT Version 16.0
	Related Problem:
	SYSVW 14838
	Copyright (C) 2021 CA. All rights reserved. R00241-NM4160-SP0
	DESC(Z/OS 2.5 COMPATIBILITY SUPPORT AND RMF UPDATES).
	++VER (Z038)
	FMID (CNM4G00)
	PRE (LU00517 LU00527 LU00548 LU00595 LU00630 LU00849
	LU00919 LU00951 LU01005 LU01064 LU01511 LU01855
	LU02000 LU02191 LU02316 LU02534 SO08681 SO08743
	SO08793 SO08895 SO09059 SO09589 SO10098 SO10197
	SO10316 SO10497 SO10588 SO10680 SO10853 SO11028
	SO11632 SO11642 SO11865 SO11875 SO12051 SO12125
	SO12200 SO12629 SO12721 SO12816 SO12880 SO13072
	SO13240 SO13364 SO13538 SO13751 SO13989 SO14004
	SO14361 SO14411 SO14533 SO14761 SO14768 SO14894
	SO15081 SO15206 SO15210 SO15274 SO15433 SO15546
	SO16018 SO16108 SO16292)
	SUP (AS12816 LT00279 LT02875 LU00279 SO10484 SO10649
	SO13228 SO14740 SO14921 SO14945 SO15783 SO16215
	ST10484 ST10649 ST13228 ST14740 ST14921 ST14945
	ST15783 ST16215)
	++HOLD (LU02875) SYSTEM FMID(CNM4G00)
	REASON (ACTION) DATE (21271)
	COMMENT (
	+---+
	| CA SYSVIEW PERFORMANCE MANAGEMENT Version 16.0 |
	+----------+--+
	|SEQUENCE | After Apply |
	+----------+--+
	|PURPOSE | To implement the fix |
	+----------+--+
	|USERS | All users of SYSVIEW |
	|AFFECTED | |
	+----------+--+
	|KNOWLEDGE | Product Administration |
	|REQUIRED | |

Service	Details
| | ```
+----------+------------------------------------------------------------+
|ACCESS    | Product libraries                                          |
|REQUIRED  |                                                            |
+----------+------------------------------------------------------------+
**************************
* STEPS    TO    PERFORM *
**************************
This PTF requires that the security dataset be refreshed using the
security conversion program.
1. Apply the PTF.
2. Stop the SYSVIEW STCs, GSSA, and any user sessions.
3. Deploy the PTF to your run-time libraries.
4. Run Security Conversion JCL contained in CNM4BSAM member GSVUCSEC.
5. Start the SYSVIEW STCs, GSSA, and any user sessions.
).
++HOLD (LU02875) SYSTEM FMID(CNM4G00)
REASON (ENH   )   DATE (21271)
COMMENT (
+------------------------------------------------------------------------+
|     CA SYSVIEW PERFORMANCE MANAGEMENT                    Version 16.0   |
+----------+-------------------------------------------------------------+
|SEQUENCE  | After Apply                                                 |
+----------+-------------------------------------------------------------+
|PURPOSE   | To decribe the new features                                 |
+----------+-------------------------------------------------------------+
|USERS     | All users of SYSVIEW                                         |
|AFFECTED  |                                                             |
+----------+-------------------------------------------------------------+
|KNOWLEDGE | Product Administration                                      |
|REQUIRED  |                                                             |
+----------+-------------------------------------------------------------+
|ACCESS    | Product libraries                                           |
|REQUIRED  |                                                             |
+----------+-------------------------------------------------------------+
**************************
* STEPS    TO    PERFORM *
**************************
ENHANCEMENT DESCRIPTION:
Compatibility support for IBM z/OS 2.5.
The following updates were added in support of z/OS 2.5:
1. Updated SDSF compatibility menu and command exit.
The SDSF menu and command exit were updated to associate SDSF
commands added with z/OS 2.5 with a SYSVIEW command. The follow
were added:
SDSF Command  SYSVIEW Command
------------  ---------------
LLS           LINKSETS
MEM           DUMP
CFD           PLEXCPL
SVC           SVCTABLE
SYSP          IPLINFO
CS            COMMON
PC            PCLIST
AD            ASLIST
``` |

Service	Details
	2. New JES2 2.5 configuration module.
	A JES2 2.5 configuration module named GSVBJ250 was added.
	3. New z/OS and JES2 2.5 map modules.
	A set of z/OS and JES2 2.5 control block map modules named SVWX725
	and SVWJ2725 respectively were added. Additionally, a set of sample
	jobs named JES2MAPS and JES3MAPS that are inadvertently missing from
	CNM4BSAM were added to optionally create your own map modules.
	4. Updated IPCONFIG command.
	Several new TCP parameters from z/OS 2.5 and prior z/OS releases
	are displayed:
	SMF Type 119 parameters:
	ZertDetailByPolicy
	ZertSummary
	Global Configuration parameters:
	Aggregation
	AutoIQDC
	DelayJoinIpsec
	IkedRequired
	MonIpSec
	PolicyRequired
	ZertSrvByPolicy
	Zert parameters:
	INTVL
	SYNCVAL
	Network Monitor Configuration parameter:
	ZertSum
	5. Updated SMFTYPE command and parmlib member.
	The SMFTYPE command and its associated parmlib member were updated
	with descriptions of new SMF type 119 subtypes.
	6. Updated SMF record type 70 subtype 1 formatter.
	Several new fields added in z/OS 2.5 and prior releases from the
	SMF record type 70 subtype 1 are now displayed with the SMFRPT
	command when selecting a record from the SMFLOG command.
	- -
	In addition to z/OS 2.5, the following RMF enhancements were added:
	1. New RMCRYACC command.
	The RMCRYACC command was added to display information about
	cryptographic processors configured in accelerator mode. This
	command was added to the RMF menu.
	2. New RMCRYOVW command.
	The RMCRYOVW command was added to display overview information about
	cryptographic hardware. This command was added to the RMF menu.
	3. New RMCRYPKC command.
	The RMCRYPKC command was added to display activity information about
	cryptographic hardware configured in PKCS11 coprocessor mode. This
	command was added to the RMF menu.
	4. New RMEADM command.
	The RMEADM command was added to display Extended Asynchronous Data
	Mover (EADM) statistics. This command was added to the RMF menu.
	5. New RMFSLIST command.
	The RMFSLIST command was added to display zFS statistics for file
	systems. This command was added to the RMF menu.
	6. New RMFSSTAT command.
	The RMFSSTAT command was added to display zFS system and cache

Service	Details
	statistics. This command was added to the RMF menu.
	7. New RMJSTAT command.
	The RMJSTAT command was added to display job state delay analysis.
	This command was added to the RMF menu.
	8. New RMPCIE command.
	The RMPCIE command was added to display information about Peripheral
	Component Interconnect Express (PCIe) functions. This command was
	added to the RMF menu.
	- -
	In addition to z/OS 2.5, the following z/OS enhancements were added:
	1. New CPUSUM command.
	The CPUSUM command was added to display PR/SM level CPU utilization
	collected and summarized by the MVS data collector over a user
	specified interval up to one hour. The command displays real-time
	processor configuration in combination with historical CPU
	utilization and CPU relative share utilization. This command was
	added to the CPU menu.
	2. Updated IPTCONN command.
	The IPTCONN command was updated to display TLS 1.3 information. The
	following fields can show the following new values:
	Field: TLSSSL
	Values: TLS13
	Field: TLSCiph
	Values: TLS_AES_128_GCM_SHA256
	TLS_AES_256_GCM_SHA256
	TLS_CHACHA20_POLY1305_SHA256
	3. Updated PRIVATE command.
	The PRIVATE command was updated to display a new IEP field on the
	ALLOC and INUSE screen. The IEP field indicates if Instruction
	Execution Protection is active for a given storage allocation.
	4. Updated GPRIVATE command.
	The GPRIVATE command was updated to display a new IEP field. The IEP
	field indicates if Instruction Execution Protection is active for a
	given storage allocation.
	5. New SMSAGGRG command.
	The SMSAGGRG command was added to display the names and attributes of
	SMS aggregate groups defined in the active SMS configuration. This
	command was added to the SMS menu.
	6. New SMSCLOUD command.
	The SMSCLOUD command was added to display the names and attributes of
	SMS cloud constructs defined in the active SMS configuration. This
	command was added to the SMS menu.
	7. New SMSINFO command.
	The SMSINFO command was added to display active SMS subsystem and
	DFSMS configuration information. This command was added to the SMS
	menu.
	8. Updated CAMAT CLIST member.
	The CAMAT CLISTLIB member was updated to correctly invoke Mainframe
	Application Tuner with fewer manual updates.
	- -
	In addition to z/OS 2.5, the following service unit monitoring
	enhancements were added:
	1. New service unit MVS data collection metrics.
	The following service unit MVS data collection metrics were added:

Service	Details
|         | ```
Metrics    Description
--------   ------------------------------
JOBCPUSR   CPU service units per second
JOBIOCSR   I/O service units per second
JOBMSOSR   MSO service units per second
JOBSRBSR   SRB service units per second
JOBWMSSR   Service units per second
WLSCPUSR   CPU service units per second
WLSIOCSR   I/O service units per second
WLSMSOSR   MSO service units per second
WLSSRBSR   SRB service units per second
WLSWMSSR   Service units per second
2. Updated the ACTJOB command with new values.
The ACTJOB command was updated to display the new service unit
metrics added with this PTF.
3. Updated the ACTSUM command with new fields.
The ACTSUM command was updated to display the following new fields:
Field      Description
--------   ------------------------------
CPUSR      CPU service units per second
IOSR       I/O service units per second
MSOSR      MSO service units per second
SRBSR      SRB service units per second
WMSSR      Service units per second
4. Updated the WORKLOAD command with new fields.
The WORKLOAD command was updated to display the following new fields:
Field      Description
--------   ------------------------------
CPUSR      CPU service units per second
IOSR       I/O service units per second
MSOSR      MSO service units per second
SRBSR      SRB service units per second
WMSSR      Service units per second
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
In addition to z/OS 2.5, the following Job State Delay Analysis
monitoring enhancements were added:
1. New Job State Delay MVSDATA configuration option.
The MVSDATA parmlib member was updated with a new option
Monitor-Job-Delays:
Option  : Monitor-Job-Delays
Default : No
Specify if job using and delay states are to be monitored.
Both RMF and the RMF Monitor III data gatherer RMFGAT are
required to be active to monitor this data.
Valid values:
Yes        - Monitor job using and delay states.
No         - Do not monitor job using and delay states.
2. New Job State Delay MVS data collection metrics.
The following Job State Delay MVS data collection metrics were added:
Metric     Description
--------   ------------------------------
JSACT%     Job state active or delayed pct
JSDCPU%    Job delayed by CPU pct
JSDDEV%    Job delayed by device pct
``` |

Service	Details
	JSDELAY% Job delayed pct
	JSDENQ% Job delayed by enqueue pct
	JSDHSM% Job delayed by HSM pct
	JSDJES% Job delayed by JES pct
	JSDOMNT% Job delayed by OPER mount pct
	JSDOMSG% Job delayed by OPER message pct
	JSDOPER% Job delayed by OPER pct
	JSDSHRS% Job delayed for shared storage pct
	JSDSTG% Job delayed by paging or swapping pct
	JSDSUBS% Job delayed by subsystem pct
	JSDXCF% Job delayed by XCF pct
	JSIDLE% Job state idle pct
	JSSAMPLE Job state samples
	JSSWAP% Job state swapped-out pct
	JSSWAR% Job state swapped-out ready
	JSUCPU% Job using CPU pct
	JSUDEV% Job using device pct
	JSUNK% Job state unknown pct
	JSUSING% Job using pct
	3. Updated the ACTJOB command with new values.
	The ACTJOB command was updated to display the new Job State Delay
	metrics added with this PTF.
	4. Updated the ACTSUM command with new fields.
	The ACTSUM command was updated to display the following new fields:
	Field Description
	-------- ------------------------------
	JSACT% Job state active or delayed pct
	JSDCPU% Job delayed by CPU pct
	JSDDEV% Job delayed by device pct
	JSDELAY% Job delayed pct
	JSDENQ% Job delayed by enqueue pct
	JSDHSM% Job delayed by HSM pct
	JSDJES% Job delayed by JES pct
	JSDOMNT% Job delayed by OPER mount pct
	JSDOMSG% Job delayed by OPER message pct
	JSDOPER% Job delayed by OPER pct
	JSDSHRS% Job delayed for shared storage pct
	JSDSTG% Job delayed by paging or swapping pct
	JSDSUBS% Job delayed by subsystem pct
	JSDXCF% Job delayed by XCF pct
	JSIDLE% Job state idle pct
	JSSAMPLE Job state samples
	JSSWAP% Job state swapped-out pct
	JSSWAR% Job state swapped-out ready
	JSUCPU% Job using CPU pct
	JSUDEV% Job using device pct
	JSUNK% Job state unknown pct
	JSUSING% Job using pct
	).

Product Family	Product	Release
Systems Management	CA SYSVIEW PERFORMANCE MANAGEMENT	16.00.00

The CA RS 2110 Product/Component Count for this release is 1

CA RS Level	Service	FMID
CAR2110	LU02875	CNM4G00
	LU02760	CNM4G00
	LU02748	CNM4G00
	LU02664	CNM4G00
	LU02620	CNM4G00
	LU02568	CNM4G00
	LU02548	CNM4G00
	LU02427	CNM4G00
	LU02298	CNM4G00
CAR2109	LU02534	CNM4G00
	LU02441	CNM4G00
	LU02367	CNM4G00
	LU02316	CNM4G00
	LU02262	CNM4G00
	LU02244	CNM4G00
CAR2108	LU02191	CNM4G00
	LU02125	CNM4G00
	LU02032	CNM4G00
	LU02016	CNM4G00
	LU02000	CNM4G00
	LU01709	CNM4G00
CAR2107	LU01896	CNM4G00
	LU01855	CNM4G00
	LU01826	CNM4G00
	LU01773	CNM4G00
	LU01687	CNM4G00
	LU01568	CNM4G00
	LU01522	CNM4G00
	LU01511	CNM4G00
	LU01501	CNM4G00
	LU01276	CNM4G00
CAR2106	LU01394	CNM4G00
	LU01368	CNM4G00
	LU01353	CNM4G00
	LU01337	CNM4G00
	LU01138	CNM4G00
	LU01095	CNM4G00
CAR2105	LU01112	CNM4G00
	LU01098	CNM4G00
	LU01071	CNM4G00
	LU01064	CNM4G00
	LU01050	CNM4G00
	LU01005	CNM4G00
	LU00958	CNM4G00
	LU00951	CNM4G00
	LU00933	CNM4G00
	LU00919	CNM4G00

CA RS Level	Service	FMID
	LU00894	CNM4G00
	LU00849	CNM4G00
	LU00838	CNM4G00
	LU00806	CNM4G00
CAR2104	LU00763	CNM4G00
	LU00742	CNM4G00
	LU00704	CNM4G00
	LU00630	CNM4G00
	LU00595	CNM4G00
	LU00552	CNM4G00
	LU00548	CNM4G00
	LU00527	CNM4G00
	LU00517	CNM4G00
	LU00417	CNM4G00
	LU00409	CNM4G00
	LU00395	CNM4G00
CAR2103	SO16310	CNM4G00
	LU00279	CNM4G00
CAR2102	SO16292	CNM4G00
	SO16215	CNM4G00
	SO16213	CNM4G00
	SO16162	CNM4G00
	SO16108	CNM4G00
	SO16069	CNM4G00
	SO16035	CNM4G00
	SO16034	CNM4G00
	SO14945	CNM4G00
CAR2101	SO16018	CNM4G00
	SO15790	CNM4G00
	SO13275	CNM4G00
CAR2012	SO15783	CNM4G00
	SO15746	CNM4G00
	SO15546	CNM4G00
	SO15518	CNM4G00
	SO15433	CNM4G00
	SO15374	CNM4G00
CAR2011	SO15474	CNM4G00
	SO15325	CNM4G00
	SO15274	CNM4G00
	SO15212	CNM4G00
	SO15210	CNM4G00
	SO15206	CNM4G00
	SO15081	CNM4G00
	SO15053	CNM4G00
	SO14964	CNM4G00
CAR2010	SO14985	CNM4G00
	SO14921	CNM4G00

CA RS Level	Service	FMID
	SO14894	CNM4G00
	SO14768	CNM4G00
	SO14761	CNM4G00
	SO14746	CNM4G00
	SO14740	CNM4G00
	SO14696	CNM4G00
CAR2009	SO14661	CNM4G00
	SO14653	CNM4G00
	SO14533	CNM4G00
	SO14487	CNM4G00
	SO14442	CNM4G00
	SO14411	CNM4G00
	SO14363	CNM4G00
	SO14361	CNM4G00
	SO14259	CNM4G00
	SO13364	CNM4G00
	SO13186	CNM4G00
CAR2008	SO14130	CNM4G00
	SO14092	CNM4G00
	SO14004	CNM4G00
	SO13996	CNM4G00
	SO13989	CNM4G00
	SO13984	CNM4G00
	SO13927	CNM4G00
	SO13792	CNM4G00
	SO13701	CNM4G00
	SO13485	CNM4G00
	SO13350	CNM4G00
	SO13268	CNM4G00
CAR2007	SO13782	CNM4G00
	SO13779	CNM4G00
	SO13751	CNM4G00
	SO13612	CNM4G00
	SO13538	CNM4G00
	SO13529	CNM4G00
	SO13408	CNM4G00
	SO13188	CNM4G00
CAR2006	SO13276	CNM4G00
	SO13240	CNM4G00
	SO13228	CNM4G00
	SO13187	CNM4G00
	SO13116	CNM4G00
	SO13089	CNM4G00
	SO13072	CNM4G00
	SO13033	CNM4G00
CAR2005	SO12880	CNM4G00
	SO12816	CNM4G00

CA RS Level	Service	FMID
	SO12773	CNM4G00
	SO12721	CNM4G00
	SO12629	CNM4G00
	SO12625	CNM4G00
	SO12580	CNM4G00
	SO12330	CNM4G00
CAR2004	SO12516	CNM4G00
	SO12474	CNM4G00
	SO12454	CNM4G00
	SO12406	CNM4G00
	SO12401	CNM4G00
	SO12381	CNM4G00
	SO12354	CNM4G00
	SO12347	CNM4G00
	SO12257	CNM4G00
	SO12200	CNM4G00
	SO12163	CNM4G00
CAR2003	SO12125	CNM4G00
	SO12051	CNM4G00
	SO12050	CNM4G00
	SO11959	CNM4G00
	SO11955	CNM4G00
	SO11898	CNM4G00
	SO11891	CNM4G00
	SO11875	CNM4G00
	SO11865	CNM4G00
	SO11762	CNM4G00
	SO10411	CNM4G00
CAR2002	SO11830	CNM4G00
	SO11821	CNM4G00
	SO11798	CNM4G00
	SO11683	CNM4G00
	SO11642	CNM4G00
	SO11632	CNM4G00
	SO11553	CNM4G00
	SO11361	CNM4G00
CAR2001	SO11122	CNM4G00
	SO11028	CNM4G00
CAR1912	SO10853	CNM4G00
	SO10849	CNM4G00
	SO10710	CNM4G00
	SO10680	CNM4G00
	SO10649	CNM4G00
	SO10588	CNM4G00
	SO10541	CNM4G00
CAR1911	SO10537	CNM4G00
	SO10497	CNM4G00

CA RS Level	Service	FMID
	SO10493	CNM4G00
	SO10484	CNM4G00
	SO10421	CNM4G00
	SO10382	CNM4G00
	SO10332	CNM4G00
	SO10326	CNM4G00
	SO10316	CNM4G00
	SO10269	CNM4G00
	SO10214	CNM4G00
	SO10209	CNM4G00
CAR1910	SO10206	CNM4G00
	SO10197	CNM4G00
	SO10143	CNM4G00
	SO10098	CNM4G00
	SO09844	CNM4G00
	SO09632	CNM4G00
CAR1909	SO09772	CNM4G00
	SO09681	CNM4G00
	SO09650	CNM4G00
	SO09607	CNM4G00
	SO09589	CNM4G00
	SO09537	CNM4G00
	SO08894	CNM4G00
CAR1908	SO09287	CNM4G00
	SO09281	CNM4G00
	SO09059	CNM4G00
	SO09013	CNM4G00
	SO08793	CNM4G00
CAR1907	SO08895	CNM4G00
	SO08743	CNM4G00
	SO08740	CNM4G00
	SO08698	CNM4G00
	SO08681	CNM4G00
	SO08674	CNM4G00
	SO08553	CNM4G00
	SO08544	CNM4G00
	SO08502	CNM4G00
	SO08485	CNM4G00
	SO08459	CNM4G00
	SO08228	CNM4G00