Service	Description	Type
LU08333	ABENDS IN GSVCIIPR IN CICS REGION AND GSVI RESTARTS	PTF
LU08681	JVMLIST LEOPTS LINE COMMAND PRODUCES NO RESULTS	PTF
LU08900	SOFTWARE RISK ASSESSMENT ENHANCEMENTS	PTF
LU08972	ABEND S0C4-10 GSVPIMSR IN IMS DATA LOGGER	PTF
LU08994	SMF CAPTURE MISSING IEFU85 RECORDS	PTF
LU09050	MVS MONITOR/EXCEPTION DEFINITIONS LOADED INCORRECTLY	*HIP/PRP*
LU09061	ABEND S0C2 GSVCGSVI DURING CICS SHUTDOWN WHEN GSVI IS PURGED	PTF
LU09124	GSV2775E NOT A VALID SSL VERSION VALUE FOR Z/OS 2.3	PTF
LU09156	ABEND S0C4 GSVXDSPR ISSUING RULES/MONRULES COMMANDS	PTF
The CA RS 2303 service count for this release is 9		

FMID	Service	Description	Type
CNM4H00	LU08333	ABENDS IN GSVCIIPR IN CICS REGION AND GSVI RESTARTS	PTF
	LU08681	JVMLIST LEOPTS LINE COMMAND PRODUCES NO RESULTS	PTF
	LU08900	SOFTWARE RISK ASSESSMENT ENHANCEMENTS	PTF
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	LU08994	SMF CAPTURE MISSING IEFU85 RECORDS	PTF
	LU09050	MVS MONITOR/EXCEPTION DEFINITIONS LOADED INCORRECTLY	*HIP/PRP*
	LU09061	ABEND S0C2 GSVCGSVI DURING CICS SHUTDOWN WHEN GSVI IS PURGED	PTF
	LU09124	GSV2775E NOT A VALID SSL VERSION VALUE FOR Z/OS 2.3	PTF
	LU09156	ABEND S0C4 GSVXDSPR ISSUING RULES/MONRULES COMMANDS	PTF
The CA RS 2303 service count for this FMID is 9			

Service	Details
LU08333	LU08333 M.C.S. ENTRIES = ++PTF (LU08333) REWORK(2023047) ABENDS IN GSVCIIPR IN CICS REGION AND GSVI RESTARTS PROBLEM DESCRIPTION: A CICS region might encounter an abend during SYSVIEW for CICS's zIIP processing that results in the SYSVIEW transaction GSVI terminating in the region, followed by a restart of GSVI. The problem is caused from a mismanagement of the zIIP state in the SYSVIEW System Data Collector Subtask (GSVCSDCS) after it schedules an IMOD to run as the result of being triggered by an exception rule. After 256 total IMODs are scheduled as a result of a rule being triggered, various abends might be observed. SYMPTOMS: The abends observed in module GSVCIIPR include S0C1, S0C4, and S0C6. The error will look similar to the following in the CICS JOBLOG. (SDCS) SYSVIEW for CICS r17.0 Abend information (SDCS) Task GSVCSDCS Module GSVCIIPR Offset 00001C4B (SDCS) Abend S0C6 PSW 078C0000 FD910C4B Ilc 4 Intc 06 BEA 00000000 7D910C4 (SDCS) FRR Recovery GSVCZRRX Retry 7DB69D86 Module GSVCSDCS Offset 000005E (SDCS) Registers at entry to abend (SDCS) AR/GR 00: 00000000/00000000_00000105 01: 00000000/00000000_7DB6EF08 (SDCS) AR/GR 02: 00000000/00000000_91845CC0 03: 00000000/00000000_7DB60000 (SDCS) AR/GR 04: 00000000/00000000_00000011 05: 00000000/00000000_00000014 (SDCS) AR/GR 06: 00000000/00000000_4A0A2000 07: 00000000/00000000_7DB4BDC0 (SDCS) AR/GR 08: 00000000/00000000_7D911B60 09: 00000000/00000000_7DB29000 (SDCS) AR/GR 10: 00000000/00000000_4A0A0000 11: 00000000/00000000_7D910AB8 (SDCS) AR/GR 12: 00000000/00000000_7DB6EA00 13: 00000000/00000000_7DB2B3D0 (SDCS) AR/GR 14: 00000000/00000000_FD910C3A 15: 00000000/00000000_00000001 (SDCS) End of symptom dump (SDCS) SVC dump Requested The SYSVIEW for CICS task GSVCSDCS terminates and restarts the SYSVIEW GSVI transaction. IMPACT: Abend and SVC dump is produced on each occurrence. Depending on how the error is encountered, results can be unpredictable. CIRCUMVENTION: Disable all IMOD actions on CICS RULES until this PTF is applied. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 19059 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00039-NM4170 DESC(ABENDS IN GSVCIIPR IN CICS REGION AND GSVI RESTARTS). ++VER (Z038) FMID (CNM4H00) SUP (LT08333)

Service	Details
LU08681	LU08681 M.C.S. ENTRIES = ++PTF (LU08681) REWORK(2023039) JVMLIST LEOPTS LINE COMMAND PRODUCES NO RESULTS PROBLEM DESCRIPTION: When you issue the LEOPTS line command for a TCB identified that has an ITHRD and no CEEOCB block, LE Run Time Options do not display. SYMPTOMS: When you issue the JVMLIST command with the LEOPTS line command, returns no results IMPACT: LE Run Time Options do not display when using the LEOPTS line command. CIRCUMVENTION: Point the LEOPTS command directly to a valid TCB that contains LE Options for the JVM. Set your session to the JVM ASID and then issue 'LEOPTS TCB address', where address points to a valid TCB that contains a valid CEEOCB block. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 15.0 SYSVIEW Performance Management Version 16.0 SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 19329 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00045-NM4170 DESC(JVMLIST LEOPTS LINE COMMAND PRODUCES NO RESULTS). ++VER (Z038) FMID (CNM4H00) SUP (LT08681)

Service	Details
LU08900	LU08900 M.C.S. ENTRIES = ++PTF (LU08900) REWORK(2023037) SOFTWARE RISK ASSESSMENT ENHANCEMENTS ENHANCEMENT DESCRIPTION: This feature PTF contains several enhancements to Software Risk Assessment (PTF Analysis). Software Risk Assessment can now retrieve all available maintenance information for Broadcom products in real-time, assess risk of products nearing end of service dates, and much more. A new video was created covering the new Software Risk Assessment updates which can be found here: https://youtu.be/GOP6jsD8tkA 1. Real-time retrieval of available maintenance information The PTFS command was updated with the ability to retrieve a list of all available maintenance for Broadcom products in real-time. This allows users to view a list of SYSMODs that are available but have not been received. This is done by sending HTTPS requests to a Broadcom hosted API at the following URL: https://eapi.broadcom.com/api/solutions/fmid/detail To configure the real-time retrieval, the new CNM4XML(SVWXCERT) member must be updated. Real-time retrieval requires the PTF for IBM APAR OA64112. When the PTF is not applied, HTTPS requests to retrieve available maintenance information that return large response bodies might fail. When the request fails, the Retrieve field in the information area of the PTFS command will display "API send request error" and LISTLOG will display GSV2775E with the error text "Bad recv capacity". The following updates were made to support the real-time retrieval: * New Retrieve information field on the PTFS command that displays whether a list of available maintenance was retrieved from Broadcom support in real-time. If the Retrieve field occasionally returns "API send request error", ensure the IBM PTF listed above is applied, as the PTF may resolve the issue. * New RETRIEVE and NORETRIEVE parameters on the PTFS command that specify whether a list of available maintenance should be retrieved from Broadcom Support. * New CNM4XML(SVWXCERT) member that contains keyring and certificate information used to retrieve the list of available maintenance. This member must be configured for the retrieval to be successful. * New help topic on the TOPICS command titled "Configuring Real-time Retrieval of Broadcom PTFs" that describes the steps needed to update the CNM4XML(SVWXCERT) member and configure the real-time retrieval of available maintenance. 2. Product lifecycle information Software Risk Assessment was updated to display and assess risk associated with product lifecycle dates, including end of service and end of life dates. This information is extracted from mainframe vendors' product information files. To configure the availability of product lifecycle information, the new CNM4XML(SVWXPRDL) member must be updated. The following updates were made to support the new product lifecycle information: * New End of Service section in the information area of the PTFS command that displays information about FMIDs that are at or are approaching end of service. * New EOSWARN parameter on the PTFS command that specifies the number

Service	Details
	of days prior to a defined end of service or end of life date for which the product will show a WARNING status. * New EOSWarn field on the PTFLIST command that displays the number of days prior to a defined end of service or end of life date for which the product shows a WARNING status on the PTFS command. The CNM4BPRM(SVWXPTFL) member was updated to support the EOSWARN keyword. * New CNM4XML(SVWXPRDL) member that contains the retrieval methods of product information files. Product information files can be downloaded in real-time via HTTP/HTTPS requests, read from a z/OS dataset, or read from a USS file. Any mainframe vendor's product information file can be configured, not only Broadcom. * New help topic on the TOPICS command titled "Configuring Product Lifecycle Information" that describes the steps needed to update the CNM4XML(SVWXPRDL) member and configure the retrieval methods of product information files. * New PRODLIFE command that displays lifecycle information for mainframe software products. Use the PRODLIFE command to identify mainframe software products that are past their end of service date. 3. Keyrings and certificates information When sending HTTPS requests to retrieve available maintenance or product information files, certificates connected to keyrings are used to secure the connection. The following updates were made to ease the identification and assess the risk associated with keyrings and certificates: * New KEYRINGS command that displays information about keyrings and certificates. Use the KEYRINGS command to list the defined keyrings and certificates that a user has permission to access. The command displays detailed information about certificates including certificate expiration dates. Expired certificates can introduce risk to a system. IBM APAR OA64293 should be applied where RACF is the ESM in use. When the PTF is not applied, the KEYRINGS command will display erroneous data on RACF systems. Broadcom PTF LU08439 for Top Secret 16.0 should be applied where Top Secret is the ESM in use. When the PTF is not applied, the KEYRINGS command may not display a complete list of keyrings that the user has access to list. * New KEYRCERT subcommand on the DETAILS command that displays a detailed report for certificates that are connected to a keyring. 4. Out of support risk assessment Software Risk Assessment was updated to assess risk associated with PTFs that have not been applied within a specified number of days since the PTF was published. When a PTF has not been applied within the specified number of days, the PTF is considered out of support. The following updates were made for out of support risk assessment: * New Out Of Support section in the information area of the PTFS command that displays information about PTFs that are at or approaching out of support. * New OOSAGE parameter on the PTFS command that specifies the number of days for which a PTF that is not applied is considered out of support.

Service	Details
	* New OOSAge field on the PTFLIST command that displays the number of days that a PTF is not applied is considered out of support. The CNM4BPRM(SVWXPTFL) member was updated to support the OOSAGE keyword. * New OOSWARN parameter on the PTFS command that specifies the percentage of the OOSAge value to use as a warning for a PTF that is not applied and is considered out of support. * New OOSWarn field on the PTFLIST command that displays the percentage of the OOSAge value to use as a warning for any PTF that is not applied and is considered out of support. The CNM4BPRM(SVWXPTFL) member was updated to support the OOSWARN keyword. * New Age field on the PTFS command that displays the number of days since a PTF was published. * New OOSStatus field on the PTFS command that displays the out of support status of a PTF. 5. Miscellaneous Software Risk Assessment updates PTFS command updates: * New Software Risk Assessment section in the information area that displays summarized risk information for the available maintenance. * New TZONE parameter that specifies the target zone. * New ALLRISKS parameter that specifies whether all SYSMOD data rows should display regardless of their risk value. * New ATRISK parameter that specifies whether all SYSMOD data rows that contain a risk value that is greater than NONE should display. * New TZone field in the information area that displays the target zone. * New PE field that indicates if a PTF is a PTF in error. * New Risk field that displays the overall risk status of a PTF. * New RiskNum field that displays the overall risk status of a PTF as a numeric value. * New API field that indicates if the PTF was returned by the API retrieve request. * New XML field that indicates if the XML tracking element was read for the PTF. * New CSIT field that indicates if the PTF was found in the CSI target zone. * New CSIG field that indicates if the PTF was found in the CSI global zone. * The CARyymm field was renamed to RSMyymm. * The CAPyymm field was renamed to PMyymm. PTFLIST command updates: * New Vendor field that displays the product vendor name. The CNM4BPRM(SVWXPTFL) member was updated to support the VENDOR keyword. * New TZone field that displays the target zone. The CNM4BPRM(SVWXPTFL) member was updated to support the TZONE keyword. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 17892 R00048-NM4170

Service	Details
	DESC(SOFTWARE RISK ASSESSMENT ENHANCEMENTS). ++VER (Z038) FMID (CNM4H00) PRE (LU07759 LU08271 LU08294 LU08803) SUP (LT08900) ++HOLD (LU08900) SYSTEM FMID(CNM4H00) REASON (ACTION) DATE (23037) COMMENT (+----------+----------+ | SYSVIEW Performance Management Version 17.0 | +----------+----------+ |SEQUENCE | After Apply | +----------+----------+ |PURPOSE | SVWXPTFL parmlib member has new keywords. | | | New SVWXCERT and SVWXPRDL xmllib members were added. | | | Security data set conversion. | +----------+----------+ |USERS | All users of Software Risk Assessment | |AFFECTED | | +----------+----------+ |KNOWLEDGE | Product Administration | |REQUIRED | | +----------+----------+ |ACCESS | Product libraries | |REQUIRED | | +----------+----------+ ********** * STEPS TO PERFORM * ********** This PTF contains updates to the existing SVWXPTFL parmlib member and new SVWXCERT and SVWXPRDL xmllib members. 1. The SVWXPTFL parmlib member supports new keywords. If SVWXPTFL has been copied to your site library and/or modified, review the member. 2. The new SVWXCERT xmllib member must be updated in order to configure the real-time retrieval of available Broadcom maintenance information. After applying this PTF, see the new help topic in SYSVIEW titled "Real-time Retrieval of Broadcom PTFs" for detailed instructions on configuring SVWXCERT. 3. The new SVWXPRDL xmllib member must be updated in order to configure the availability of product lifecycle information. After applying this PTF, see the new help topic in SYSVIEW titled "Configuring Product Lifecycle Information" for detailed instructions on configuring SVWXPRDL. 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 (LU08900) SYSTEM FMID(CNM4H00) REASON (DEP) DATE (23037) COMMENT (

Service	Details

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+-------------------------------------------------------------------------+
|     SYSVIEW Performance Management                  Version 17.0        |
+----------+--------------------------------------------------------------+
|SEQUENCE  | After Apply                                                  |
+----------+--------------------------------------------------------------+
|PURPOSE   | Several PTFs external to SYSVIEW should be applied to        |
|          | resolve erroneous behavior.                                  |
+----------+--------------------------------------------------------------+
|USERS     | All users of Software Risk Assessment                        |
|AFFECTED  |                                                              |
+----------+--------------------------------------------------------------+
|KNOWLEDGE | SMP/E                                                        |
|REQUIRED  |                                                              |
+----------+--------------------------------------------------------------+
|ACCESS    | Product libraries                                            |
|REQUIRED  |                                                              |
+----------+--------------------------------------------------------------+
**************************
* STEPS    TO    PERFORM *
**************************
1. IBM APAR OA64112 should be applied for the real-time retrieval of
available Broadcom maintenance information to function as expected.
When the PTF is not applied, the request to retrieve the maintenance
information may fail. When the request fails, the Retrieve field in
the information area of the PTFS command will display "API send
request error" and LISTLOG will display GSV2775E with the error
text "Bad recv capacity".
2. IBM APAR OA64293 should be applied where RACF is the ESM in use.
When the PTF is not applied, the KEYRINGS command will display
erroneous data on RACF systems.
3. Broadcom PTF LU08439 for Top Secret 16.0 should be applied where
Top Secret is the ESM in use. When the PTF is not applied, the
KEYRINGS command may not display a complete list of keyrings that
the user has access to list.
).
++HOLD (LU08900) SYSTEM FMID(CNM4H00)
REASON (ENH    )   DATE (23037)
COMMENT (
+-------------------------------------------------------------------------+
|     SYSVIEW Performance Management                  Version 17.0        |
+----------+--------------------------------------------------------------+
|SEQUENCE  | After Apply                                                  |
+----------+--------------------------------------------------------------+
|PURPOSE   | Software Risk Assessment Enhancements                        |
+----------+--------------------------------------------------------------+
|USERS     | All users of Software Risk Assessment                        |
|AFFECTED  |                                                              |
+----------+--------------------------------------------------------------+
|KNOWLEDGE | Product Administration                                       |
|REQUIRED  |                                                              |
+----------+--------------------------------------------------------------+
|ACCESS    | Product libraries                                            |
|REQUIRED  |                                                              |
+----------+--------------------------------------------------------------+
```

Service	Details
	*************************
	* STEPS TO PERFORM *
	*************************
	ENHANCEMENT DESCRIPTION:
	This feature PTF contains several enhancements to Software Risk
	Assessment (PTF Analysis). Software Risk Assessment can now retrieve all
	available maintenance information for Broadcom products in real-time,
	assess risk of products nearing end of service dates, and much more.
	A new video was created covering the new Software Risk Assessment
	updates which can be found here: https://youtu.be/GOP6jsD8tkA
	1. Real-time retrieval of available maintenance information
	The PTFS command was updated with the ability to retrieve a list
	of all available maintenance for Broadcom products in real-time. This
	allows users to view a list of SYSMODs that are available but have
	not been received. This is done by sending HTTPS requests to a
	Broadcom hosted API at the following URL:
	https://eapi.broadcom.com/api/solutions/fmid/detail
	To configure the real-time retrieval, the new CNM4XML(SVWXCERT)
	member must be updated.
	Real-time retrieval requires the PTF for IBM APAR OA64112. When the
	PTF is not applied, HTTPS requests to retrieve available maintenance
	information that return large response bodies might fail. When the
	request fails, the Retrieve field in the information area of the PTFS
	command will display "API send request error" and LISTLOG will
	display GSV2775E with the error text "Bad recv capacity".
	The following updates were made to support the real-time retrieval:
	* New Retrieve information field on the PTFS command that displays
	whether a list of available maintenance was retrieved from
	Broadcom support in real-time. If the Retrieve field occasionally
	returns "API send request error", ensure the IBM PTF listed above
	is applied, as the PTF may resolve the issue.
	* New RETRIEVE and NORETRIEVE parameters on the PTFS command that
	specify whether a list of available maintenance should be retrieved
	from Broadcom Support.
	* New CNM4XML(SVWXCERT) member that contains keyring and certificate
	information used to retrieve the list of available maintenance.
	This member must be configured for the retrieval to be successful.
	* New help topic on the TOPICS command titled "Configuring Real-time
	Retrieval of Broadcom PTFs" that describes the steps needed to
	update the CNM4XML(SVWXCERT) member and configure the real-time
	retrieval of available maintenance.
	2. Product lifecycle information
	Software Risk Assessment was updated to display and assess risk
	associated with product lifecycle dates, including end of service
	and end of life dates. This information is extracted from mainframe
	vendors' product information files. To configure the availability
	of product lifecycle information, the new CNM4XML(SVWXPRDL) member
	must be updated.
	The following updates were made to support the new product lifecycle
	information:
	* New End of Service section in the information area of the PTFS
	command that displays information about FMIDs that are at or are
	approaching end of service.
	* New EOSWARN parameter on the PTFS command that specifies the number

Service	Details
	of days prior to a defined end of service or end of life date for which the product will show a WARNING status. * New EOSWarn field on the PTFLIST command that displays the number of days prior to a defined end of service or end of life date for which the product shows a WARNING status on the PTFS command. The CNM4BPRM(SVWXPTFL) member was updated to support the EOSWARN keyword. * New CNM4XML(SVWXPRDL) member that contains the retrieval methods of product information files. Product information files can be downloaded in real-time via HTTP/HTTPS requests, read from a z/OS dataset, or read from a USS file. Any mainframe vendor's product information file can be configured, not only Broadcom. * New help topic on the TOPICS command titled "Configuring Product Lifecycle Information" that describes the steps needed to update the CNM4XML(SVWXPRDL) member and configure the retrieval methods of product information files. * New PRODLIFE command that displays lifecycle information for mainframe software products. Use the PRODLIFE command to identify mainframe software products that are past their end of service date. 3. Keyrings and certificates information When sending HTTPS requests to retrieve available maintenance or product information files, certificates connected to keyrings are used to secure the connection. The following updates were made to ease the identification and assess the risk associated with keyrings and certificates: * New KEYRINGS command that displays information about keyrings and certificates. Use the KEYRINGS command to list the defined keyrings and certificates that a user has permission to access. The command displays detailed information about certificates including certificate expiration dates. Expired certificates can introduce risk to a system. IBM APAR OA64293 should be applied where RACF is the ESM in use. When the PTF is not applied, the KEYRINGS command will display erroneous data on RACF systems. Broadcom PTF LU08439 for Top Secret 16.0 should be applied where Top Secret is the ESM in use. When the PTF is not applied, the KEYRINGS command may not display a complete list of keyrings that the user has access to list. * New KEYRCERT subcommand on the DETAILS command that displays a detailed report for certificates that are connected to a keyring. 4. Out of support risk assessment Software Risk Assessment was updated to assess risk associated with PTFs that have not been applied within a specified number of days since the PTF was published. When a PTF has not been applied within the specified number of days, the PTF is considered out of support. The following updates were made for out of support risk assessment: * New Out Of Support section in the information area of the PTFS command that displays information about PTFs that are at or approaching out of support. * New OOSAGE parameter on the PTFS command that specifies the number of days for which a PTF that is not applied is considered out of support.

Service	Details
	* New OOSAge field on the PTFLIST command that displays the number of days that a PTF is not applied is considered out of support. The CNM4BPRM(SVWXPTFL) member was updated to support the OOSAGE keyword. * New OOSWARN parameter on the PTFS command that specifies the percentage of the OOSAge value to use as a warning for a PTF that is not applied and is considered out of support. * New OOSWarn field on the PTFLIST command that displays the percentage of the OOSAge value to use as a warning for any PTF that is not applied and is considered out of support. The CNM4BPRM(SVWXPTFL) member was updated to support the OOSWARN keyword. * New Age field on the PTFS command that displays the number of days since a PTF was published. * New OOSStatus field on the PTFS command that displays the out of support status of a PTF. 5. Miscellaneous Software Risk Assessment updates PTFS command updates: * New Software Risk Assessment section in the information area that displays summarized risk information for the available maintenance. * New TZONE parameter that specifies the target zone. * New ALLRISKS parameter that specifies whether all SYSMOD data rows should display regardless of their risk value. * New ATRISK parameter that specifies whether all SYSMOD data rows that contain a risk value that is greater than NONE should display. * New TZone field in the information area that displays the target zone. * New PE field that indicates if a PTF is a PTF in error. * New Risk field that displays the overall risk status of a PTF. * New RiskNum field that displays the overall risk status of a PTF as a numeric value. * New API field that indicates if the PTF was returned by the API retrieve request. * New XML field that indicates if the XML tracking element was read for the PTF. * New CSIT field that indicates if the PTF was found in the CSI target zone. * New CSIG field that indicates if the PTF was found in the CSI global zone. * The CARyymm field was renamed to RSMyymm. * The CAPyymm field was renamed to PMyymm. PTFLIST command updates: * New Vendor field that displays the product vendor name. The CNM4BPRM(SVWXPTFL) member was updated to support the VENDOR keyword. * New TZone field that displays the target zone. The CNM4BPRM(SVWXPTFL) member was updated to support the TZONE keyword.).

Service	Details
LU08972	LU08972 M.C.S. ENTRIES = ++PTF (LU08972) REWORK(2023047) ABEND S0C4-10 GSVPIMSR IN IMS DATA LOGGER PROBLEM DESCRIPTION: Abend S0C4-10 IMS Data Logger that results in the Logger shutting down and restarting automatically. SYMPTOMS: Abend S0C4-10 in IMS Data Logger and messages similar to the following display: GSVX451E Abend S0C4-10 in IMS data logger GSVX452I SYSVIEW SRB in control at entry to abend GSVX453I Diagnostics for SRB in control at entry to abend GSVX457I Psw 078C6000 996CA66E Ilc 4 Intc 10 GSVX477I Key 8 State SUP Am 31 Asc AR GSVX458I Module GSVXNUC Addr 19317000 Offset 003B366E GSVX458I NucMod GSVPIMSR Addr 196C12B0 Offset 000093BE GSVX450I FixLvl LU06585 GSVX473I Routne FREECELL Addr 196CA600 Offset 0000006E GSVX459I Data at PSW addr 196CA668 GSVX460I 00469801 60005000 40001851 GSVX455I General registers at entry to abend GSVX467I R0-R1 00000000_00000000 00000000_00000000 GSVX467I R2-R3 00000000_1DC56060 00000000_131F4130 GSVX467I R4-R5 00000000_FFFFFFF1 00000000_00000000 GSVX467I R6-R7 00000000_00001160 00000000_1DC56344 GSVX467I R8-R9 00000000_1E89A000 00000000_1C105060 GSVX467I R10-R11 00000000_196D2180 00000000_1DBE7000 GSVX467I R12-R13 00000000_196CA600 00000000_1DBF7288 GSVX467I R14-R15 00000000_1DBF7288 00000000_196CA600 GSVX475I Access registers at entry to abend GSVX461I AR0-AR3 00000000 00000000 00000000 00000000 GSVX461I AR4-AR7 0006000A 0006000A 0006000A 00000000 GSVX461I AR8-AR11 00000000 00000000 00000000 00000000 GSVX461I AR12-AR15 00000000 00000000 00000000 00000000 IMPACT: IMS Data Logger abends and produces an SVC dump. Data Logger restarts automatically. CIRCUMVENTION: None PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 16.0 SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 19576 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00050-NM4170 DESC(ABEND S0C4-10 GSVPIMSR IN IMS DATA LOGGER). ++VER (Z038) FMID (CNM4H00) PRE (LU07759) SUP (LT08972)

Service	Details
LU08994	LU08994 M.C.S. ENTRIES = ++PTF (LU08994) REWORK(2023034) SMF CAPTURE MISSING IEFU85 RECORDS PROBLEM DESCRIPTION: SYSVIEW SMF Capture does not intercept exit IEFU85 SMF records. When a caller invokes the SMFEWTM macro, specifies BRANCH=YES, MODE=XMEM, and ASCB does not equal PSAAOLD, SYSVIEW does not implement an IEFU85 dynamic exit to capture those records. SYMPTOMS: In the reported case, the DSMFLOGS command was configured to log record type 92. However, only certain subtypes were written to the SYSVIEW SMFLOG. IMPACT: Unable to log SMF records produced by the IEFU85 exit. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 15.0 SYSVIEW Performance Management Version 16.0 SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 19590 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00051-NM4170 DESC(SMF CAPTURE MISSING IEFU85 RECORDS). ++VER (Z038) FMID (CNM4H00) SUP (LT08994)

Service	Details
LU09050	LU09050 M.C.S. ENTRIES = ++PTF (LU09050) REWORK(2023046) MVS MONITOR/EXCEPTION DEFINITIONS LOADED INCORRECTLY PROBLEM DESCRIPTION: In SYSVIEW 17.0, the syntax used to create exception rules changed. This resulted in new keywords used to specify the resource values in monitor and exception rules. SYSVIEW tries to automatically convert pre-17.0 definitions to the new rules that 17.0 expects, however, the automatic conversion process does not work properly for certain pre-17.0 definitions for MVS metrics that contain the RSCE keyword. For a metric that requires a RsceName value in 17.0, the RSCE value is properly used as the RsceName value. For a metric that requires a RsceScope value in 17.0 (rather than an RsceName), the RSCE value might get replaced with the system variable length masking character (VLMC) of '='. This problem occurs for both WARM and COLD start modes. SYMPTOMS: When pre-17.0 MVS monitor or exception definitions are read during startup for the metrics listed in the following table, and the MONITOR or DEFINE statement contains a RSCE keyword, the RSCE value is lost. The resulting 17.0 rule will contain a RsceScope value of the VLMC. This means that several rules for the same metric, but with differing RSCE values, would get collapsed into a single generic rule. Affected metrics: Metric Alias Type of rule ---------- --------- ---------- MVS_MonitorJob JOB MONITOR MVS_MonitorJobTimeSeriesData JOBTSD MONITOR MVS_JOB_xxxxx JOBxxxx THRESH MVS_CICSMON_ExecutionStatus CICSEXEC STATE MVS_CICSMON_MonitorStatus CICSMON STATE MVS_JOB_WlmServiceClass JOBSRVCL STATE For example, the following pre-17.0 definitions: MONITOR JOB RSCE BAT= INCLUDE DEFINE JOBCPU% RSCE IMS= LIMIT 65 DEFINE JOBCPU% RSCE CICS= LIMIT 50 DEFINE CICSMON RSCE CICSP= STATE INACTIVE STATUS WARNING Are interpreted as the following 17.0 rules: MONITOR JOB RSCE = INCLUDE DEFINE JOBCPU% RSCE = LIMIT 50 DEFINE CICSMON RSCE = STATE INACTIVE STATUS WARNING IMPACT: Incorrect rules result in incorrect alerts and actions. If this PTF was applied prior to 17.0 being started for the first time, the following instructions/actions can be ignored because the pre-17.0 definitions would have been interpreted correctly. For start mode WARM: If 17.0 was started and shut down using a Datalib that contained 16.0 entries for MVSMON, MVSSTATE, and MVSTHRSH definitions, any rules that were interpreted incorrectly in 17.0 were hardened in the 17.0 version of the Datalib members. The 17.0 members are identified by a value of '1010' in the Bld field on the DLLIST command display. In addition to applying the PTF, the following steps are required to correct the bad Datalib members:

Service	Details
	1. Export the 17.0 datalib members as a backup, in case you updated or added any new rules in 17.0. Do this using the EXPORT line command on the DLLIST command display. 2. Stop SYSVIEW 17.0. 3. Apply the PTF. 4. Using the TSO/ISPF interface, delete the 17.0 version of the Datalib members using the DELIMM line command on the DLLIST command display. 5. Start SYSVIEW 17.0. During startup the 16.0 version of the members will be read in and converted correctly. 6. Any definitions that had been updated/added since you originally started 17.0, in the exported members, would have to be manually updated/added again using the MONRULES and/or RULES commands. 7. Enter the SAVE subcommand on the MONRULES and/or RULES displays to harden the corrected rules to their respective Datalib members. For start mode COLD: The potentially affected rules are read from the MVSMON, MVSSTATE, and MVSTHRSH parmlib members at startup. Once the PTF is applied the old RSCE value will be interpreted correctly. No action required. CIRCUMVENTION: If any of the described issues exist in your rules, the following actions can be taken to correct the rules without applying the PTF. For start mode WARM: Manually update your existing MONRULES and/or RULES definitions, for the affected metrics, to specify the old RSCE value in the 17.0 field RsceScope. Then enter the SAVE subcommand to harden the corrected definitions to Datalib. If there were multiple pre-17.0 definitions for the same metric you will need to manually add the missing rules in 17.0. Alternatively, you can export your pre-17.0 definitions, modify the syntax as needed for 17.0, then load the updated rules into 17.0 using the following steps for each system: 1. From 17.0 issue the DLLIST command. 2. Use the EXPORT line command to save the pre-17.0 versions of members MVSMON | MVSSTATE | MVSTHRESH into your 17.0 SITE parmlib. The Bld field will contain a value of '0990' for a 16.0 member or '0980' for a 15.0 member. 3. Update each member as described under 'For start mode COLD' below. 4. Load the updated members into 17.0 using these commands: MONRULES ; RELOAD MVS member ; SAVE MVS RULES ; RELOAD MVSSTATES member ; SAVE MVSSTATES RULES ; RELOAD MVSTHRESH member ; SAVE MVSTHRESH For start mode COLD: Manually update your MVSMON and/or MVSSTATE and/or MVSTHRSH parmlib members, for the affected metrics, to change the old RSCE keyword to the new 17.0 keyword RSCESCOPE. For example, change the following pre-17.0 definitions: MONITOR JOB RSCE BAT= INCLUDE DEFINE JOBCPU% RSCE IMS= LIMIT 65 DEFINE JOBCPU% RSCE CICS= LIMIT 50 DEFINE CICSMON RSCE CICSP= STATE INACTIVE STATUS WARNING To the following 17.0 rules: MONITOR JOB RSCESCOPE BAT= INCLUDE DEFINE JOBCPU% RSCESCOPE IMS= LIMIT 65

Service	Details
	DEFINE JOBCPU% RSCESCOPE CICS= LIMIT 50 DEFINE CICSMON RSCESCOPE CICSP= STATE INACTIVE STATUS WARNING PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 19622 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00053-NM4170 DESC(MVS MONITOR/EXCEPTION DEFINITIONS LOADED INCORRECTLY). ++VER (Z038) FMID (CNM4H00) PRE (LU08378) SUP (DC07645 LT06861 LT09050 LU06861) ++HOLD (LU09050) SYSTEM FMID(CNM4H00) REASON (ACTION) DATE (23046) COMMENT (+----------+ | SYSVIEW Performance Management Version 17.0 | +----------+----------+ |SEQUENCE | After Apply | +----------+----------+ |PURPOSE | To correct MVS exception rules for start mode WARM | +----------+----------+ |USERS | All SYSVIEW users | |AFFECTED | | +----------+----------+ |KNOWLEDGE | Product Administration | |REQUIRED | | +----------+----------+ |ACCESS | Product libraries | |REQUIRED | | +----------+----------+ ********** * STEPS TO PERFORM * ********** If this PTF was applied prior to 17.0 being started for the first time, the following instructions/actions can be ignored because the pre-17.0 definitions would have been interpreted correctly. For start mode WARM: If 17.0 was started and shut down using a Datalib that contained 16.0 entries for MVSMON, MVSSTATE, and MVSTHRSH definitions, any rules that were interpreted incorrectly in 17.0 were hardened in the 17.0 version of the Datalib members. The 17.0 members are identified by a value of '1010' in the Bld field on the DLLIST command display. In addition to applying the PTF, the following steps are required to correct the bad Datalib members: 1. Export the 17.0 datalib members as a backup, in case you updated or added any new rules in 17.0. Do this using the EXPORT line command on the DLLIST command display. 2. Stop SYSVIEW 17.0. 3. Apply the PTF. 4. Using the TSO/ISPF interface, delete the 17.0 version of the Datalib members using the DELIMM line command on the DLLIST

Service	Details
	command display. 5. Start SYSVIEW 17.0. During startup the 16.0 version of the members will be read in and converted correctly. 6. Any definitions that had been updated/added since you originally started 17.0, in the exported members, would have to be manually updated/added again using the MONRULES and/or RULES commands. 7. Enter the SAVE subcommand on the MONRULES and/or RULES displays to harden the corrected rules to their respective Datalib members. For start mode COLD: The potentially affected rules are read from the MVSMON, MVSSTATE, and MVSTHRSH parmlib members at startup. Once the PTF is applied the old RSCE value will be interpreted correctly. No action required.).

Service	Details
LU09061	LU09061 M.C.S. ENTRIES = ++PTF (LU09061) REWORK(2023052) ABEND S0C2 GSVCGSVI DURING CICS SHUTDOWN WHEN GSVI IS PURGED PROBLEM DESCRIPTION: When SYSVIEW is started within a CICS region and the SYSVIEW Main Services address was not started, SYSVIEW for CICS attempts to establish a connection with the main task each minute indefinitely. If the region is shut down before it connects to the SYSVIEW main task, it will still take one minute to make that determination and finally shut down. When the GSVI transaction is FORCEPURGED from the region during the one minute timer interval, unpredictable results can be seen. SYMPTOMS: In the reported case, using FORCEPURGE while GSVI was terminating resulted in an S0C2 abend of the region in module GSVCGSVI. The following message is generated. DFHAP0001 DFHTWS2 An abend (code 0C2/AKEA) has occurred at offset X'00008FD6' in module GSVCGSVI The abend was due to a bad branch in module GSVCGSVI, however, the result can be unpredictable. IMPACT: CICS region terminated with a S0C2 during shutdown. CIRCUMVENTION: Wait at least one minute after the region was requested to shut down before to taking additional actions on the GSVI transaction. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 16.0 SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 19223 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00054-NM4170 DESC(ABEND S0C2 GSVCGSVI DURING CICS SHUTDOWN WHEN GSVI IS PURGED). ++VER (Z038) FMID (CNM4H00) PRE (LU08803) SUP (LT09061)

Service	Details
LU09124	LU09124 M.C.S. ENTRIES = ++PTF (LU09124) REWORK(2023047) GSV2775E NOT A VALID SSL VERSION VALUE FOR Z/OS 2.3 PROBLEM DESCRIPTION: There are two problems resolved by this fix: 1. On z/OS 2.3 systems, HTTPS requests that are sent from SYSVIEW and are not secured by a matching AT-TLS policy will fail. When sending HTTPS requests, SYSVIEW enables support for TLS versions 1, 1.1, 1.2, and 1.3. However, support for TLS version 1.3 was not introduced until z/OS 2.4. The PTFS and PRODLIFE commands send HTTPS requests. The PTFS command sends HTTPS requests to retrieve a list of all available maintenance for Broadcom products and to retrieve product lifecycle information. The PRODLIFE command sends HTTPS requests to retrieve product lifecycle information. 2. The Status field on the PTFS command may incorrectly display "NOTRECEIVED" for SYSMODs that have been received and superseded. SYMPTOMS: 1. On z/OS 2.3 systems for HTTPS requests to get product lifecycle information from the PTFS and PRODLIFE commands, the following message might display: GSV2782E Error retrieving product lifecycle information When GSV2782E displays, the following messages display in LISTLOG: GSV2774E HTTP HWTHSET failed. Invalid option value specified GSV2775E HTTP HWTHSET error. Not a valid SSL version value. On z/OS 2.3 systems for HTTPS requests to get available maintenance information from the PTFS command, the Retrieve field in the information area of the PTFS command will display the value "API send request error". The following messages display in LISTLOG: GSV2774E HTTP HWTHSET failed. Invalid option value specified GSV2775E HTTP HWTHSET error. Not a valid SSL version value. 2. The Status field on the PTFS command displays "NOTRECEIVED" for SYSMODs that have been received and superseded. The Status field should display "APPLIEDSUPED" in this case. IMPACT: 1. HTTPS requests that are sent from the PTFS and PRODLIFE commands that are not secured by AT-TLS will fail. 2. The PTFS command will incorrectly mark SYSMODs as having been not received on the system. CIRCUMVENTION: 1. Create an AT-TLS policy to secure HTTPS requests coming from the SYSVIEW PTFS and PRODLIFE commands. The AT-TLS policy defines the supported TLS versions for the requests. When an AT-TLS policy is defined, SYSVIEW does not attempt to manually enable support for different TLS versions. When there is no AT-TLS policy defined, the HTTPS requests to retrieve product lifecycle information from the PTFS and PRODLIFE commands can be replaced with reading the product lifecycle information from a z/OS data set or USS file. Configure the CNM4XML(SVWXPRDL) member to retrieve the lifecycle information from a z/OS data set or from a USS file. However, the PTFS command request to get available maintenance information will still fail. 2. None. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 17.0

Service	Details
	Related Problem: SYSVW 19675 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00055-NM4170 DESC(GSV2775E NOT A VALID SSL VERSION VALUE FOR Z/OS 2.3). ++VER (Z038) FMID (CNM4H00) PRE (LU08271 LU08900) SUP (LT09124)

Service	Details
LU09156	LU09156 M.C.S. ENTRIES = ++PTF (LU09156) REWORK(2023048) ABEND S0C4 GSVXDSPR ISSUING RULES/MONRULES COMMANDS PROBLEM DESCRIPTION: An abend occurs when the MONRULES or RULES command is issued from a session before the SYSVIEW Main Services address space starts successfully. The SYSVIEW STC creates the data spaces where these rules are stored. The abend occurs due to the missing data spaces. These commands should have detected the problem and displayed the following message: GSVX340E Unable to connect to the data store <name> SYMPTOMS: In the reported case, the SYSVIEW STC failed to start due to a JCL error and the SYSVUSER STC started successfully. A user then entered the RULES command, which abended with the following messages: GSVX451E Abend S0C4-04 in RULES command GSVX452I SYSVIEW SRB in control at entry to abend GSVX453I Diagnostics for SRB in control at entry to abend GSVX457I Psw 078C4000 930C9F40 Ilc 6 Intc 04 GSVX477I Key 8 State SUP Am 31 Asc AR GSVX458I Module GSVXNUC Addr 12AE2000 Offset 005E7F40 GSVX458I NucMod GSVXDSPR Addr 130C41A8 Offset 00005D98 GSVX450I FixLvl BASE GSVX473I Routne BRWS$$ Addr 130C9CE0 Offset 00000260 GSVX459I Data at PSW addr 130C9F3A GSVX460I E330200C 0017B902 00334780 GSVX455I General registers at entry to abend GSVX467I R0-R1 00000000_00000000 00000000_00000000 GSVX467I R2-R3 00000000_00001000 00000000_00000000 GSVX467I R4-R5 00000000_00000000 00000000_00000000 GSVX467I R6-R7 00000000_126394D0 00000000_127BDB80 GSVX467I R8-R9 00000000_1252CF44 00000000_1252C060 GSVX467I R10-R11 00000000_130CC090 00000000_124D2000 GSVX467I R12-R13 00000000_130C9CE0 00000000_12518AA8 GSVX467I R14-R15 00000000_930C9E40 00000000_00000000 IMPACT: An abend occurs and a dump is taken. CIRCUMVENTION: The abend is a symptom of the SYSVIEW STC not starting successfully. Resolve the problem with the STC and restart SYSVIEW. PRODUCT(S) AFFECTED: SYSVIEW Performance Management Version 17.0 Related Problem: SYSVW 19699 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00056-NM4170 DESC(ABEND S0C4 GSVXDSPR ISSUING RULES/MONRULES COMMANDS). ++VER (Z038) FMID (CNM4H00) PRE (LU07310 LU08378 LU08542 LU09050) SUP (LT06861 LT07707 LT09156 LU06861 LU07707) MCS LU08333 STARTS ON PAGE 0002 MCS LU08681 STARTS ON PAGE 0003

Service	Details		
	MCS	LU08900	STARTS ON PAGE 0003
	MCS	LU08972	STARTS ON PAGE 0017
	MCS	LU08994	STARTS ON PAGE 0018
	MCS	LU09050	STARTS ON PAGE 0019
	MCS	LU09061	STARTS ON PAGE 0023
	MCS	LU09124	STARTS ON PAGE 0024
	MCS	LU09156	STARTS ON PAGE 0026

Product Family	Product	Release
Performance and Storage	SYSVIEW PERFORMANCE MANAGEMENT	17.00.00

The CA RS 2303 Product/Component Count for this release is 1

CA RS Level	Service	FMID
CAR2303	LU09156	CNM4H00
	LU09124	CNM4H00
	LU09061	CNM4H00
	LU09050	CNM4H00
	LU08994	CNM4H00
	LU08972	CNM4H00
	LU08900	CNM4H00
	LU08681	CNM4H00
	LU08333	CNM4H00
CAR2302	LU08961	CNM4H00
	LU08874	CNM4H00
	LU08803	CNM4H00
	LU08663	CNM4H00
CAR2301	LU08542	CNM4H00
	LU08536	CNM4H00
	LU08378	CNM4H00
	LU08362	CNM4H00
	LU08111	CNM4H00
	LU07707	CNM4H00
CAR2212	LU08294	CNM4H00
	LU08292	CNM4H00
	LU08271	CNM4H00
	LU08071	CNM4H00
	LU08011	CNM4H00
	LU07933	CNM4H00
	LU07917	CNM4H00
	LU07888	CNM4H00
	LU07796	CNM4H00
	LU06852	CNM4H00
CAR2211	LU07870	CNM4H00
	LU07759	CNM4H00
	LU07727	CNM4H00
	LU07693	CNM4H00
	LU07671	CNM4H00
	LU07661	CNM4H00
	LU07607	CNM4H00
	LU07602	CNM4H00
	LU07579	CNM4H00
	LU07573	CNM4H00
	LU07568	CNM4H00
	LU07528	CNM4H00
	LU07310	CNM4H00
	LU07136	CNM4H00
	LU06849	CNM4H00
CAR2210	LU07495	CNM4H00
	LU07410	CNM4H00
	LU07378	CNM4H00

CA RS Level	Service	FMID
	LU07371	CNM4H00
	LU07350	CNM4H00
	LU07313	CNM4H00
CAR2209	LU07044	CNM4H00
	LU07009	CNM4H00
	LU06861	CNM4H00
	LU06816	CNM4H00