Service	Description	Type
LU05802	VAN0110E MESSAGE IS AMBIGIOUS, IMPROVED DIAGNOSTICS	PTF
LU06549	VANTAGE DOES NOT SUPPORT EMC DLM VERSION 5.4	PTF
LU06603	EMC SYMMAPI V850 SUPPORT, MEMORY LEAK FIX	PTF
LU07441	HIT% COLUMN IN CATALOG CACHE REPORT OBJ. SHOWS WRONG VALUES	PTF
LU07445	UPDATES TO VANTAGE CONFIGURATION OBJECTS	PTF
LU07713	VANTAGE DOES NOT SHOW DATA FROM VOLUMES WITH LARGE VTOC	PTF
LU07789	EMC DLM THROUGHPUT STATISTICS OBJECT FAILS FOR RELEASES 5.X	PTF
	The CA RS 2211 service count for this release is 7	

FMID	Service	Description	Type
CCTUE10	LU05802	VAN0110E MESSAGE IS AMBIGIOUS, IMPROVED DIAGNOSTICS	PTF
	LU06549	VANTAGE DOES NOT SUPPORT EMC DLM VERSION 5.4	PTF
	LU06603	EMC SYMMAPI V850 SUPPORT, MEMORY LEAK FIX	PTF
	LU07441	HIT% COLUMN IN CATALOG CACHE REPORT OBJ. SHOWS WRONG VALUES	PTF
	LU07445	UPDATES TO VANTAGE CONFIGURATION OBJECTS	PTF
	LU07713	VANTAGE DOES NOT SHOW DATA FROM VOLUMES WITH LARGE VTOC	PTF
	LU07789	EMC DLM THROUGHPUT STATISTICS OBJECT FAILS FOR RELEASES 5.X	PTF
The CA RS 2211 service count for this FMID is 7			

Service	Details
LU05802	LU05802 M.C.S. ENTRIES = ++PTF (LU05802) VAN0110E MESSAGE IS AMBIGIOUS, IMPROVED DIAGNOSTICS PROBLEM DESCRIPTION: The "VAN0110E Exit ends with an error, check RC." can occur for several reasons, but the message is too ambiguous to provide enough diagnostic information. This SYSMOD introduces the following new messages to provide sufficient diagnostic information (including the Reason and Action) covering all the scenarios where VAN0110E appeared without further explanation: VAN0101E, VAN0106E, VAN0107E, VAN0108E, VAN0109E, VAN0112E, VAN0113E, VAN0115E, VAN0116E, VAN0117E, VAN0118E, VAN0119E, VAN0120E. SYMPTOM: The following message is presented in the JESMSGLG part of the Vantage STC log: VAN0110E Exit ends with an error, check RC. IMPACT: The message VAN0110E is too ambiguous and does not provide sufficient diagnostic information. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Vantage Storage Resource Manager Release 14.1 Related Problem: VANT 16928 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved RO0051-CTU141 DESC(VAN0110E MESSAGE IS AMBIGIOUS, IMPROVED DIAGNOSTICS). ++VER (Z038) FMID (CCTUE10) PRE (LU03288 LU04126 LU04291) SUP (LT05802)

Service	Details

LU06549	`LU06549   M.C.S. ENTRIES  = ++PTF (LU06549) REWORK(2022293)`
	
	`VANTAGE DOES NOT SUPPORT EMC DLM VERSION 5.4`
	`PROBLEM DESCRIPTION:`
	`(OBJ10780) Space Utilization object located under Tape Resource Management`
	`- Virtual Tape Systems - Dell/EMC DLm Virtual Tape in the Vantage object`
	`tree shows incorrect values in several columns for EMC DLM version 5.4.`
	`This SYSMOD ensures that Vantage shows correct values that reflect the`
	`scaling change introduced by EMC DLM 5.4 (From K, M, G and T to KiB, MiB,`
	`GiB or TiB).`
	`SYMPTOMS:`
	`Values in the 'FileSyst' column start with additional characters that`
	`should belong to other fields in the object. Multiple columns in the`
	`object contain wrong values.`
	`IMPACT:`
	`Vantage provides incorrect information.`
	`CIRCUMVENTION:`
	`None.`
	`PRODUCT(S) AFFECTED:`
	`Vantage Storage Resource Manager                      Release 14.1`
	`Related Problem:`
	`VANT 17715`
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	`R00070-CTU141`
	
	`DESC(VANTAGE DOES NOT SUPPORT EMC DLM VERSION 5.4).`
	`++VER (Z038)`
	`FMID (CCTUE10)`
	`PRE ( LU04291 )`
	`SUP ( LT06549 )`

Service	Details
LU06603	LU06603 M.C.S. ENTRIES = ++PTF (LU06603) EMC SYMMAPI V850 SUPPORT, MEMORY LEAK FIX PROBLEM DESCRIPTION: This SYSMOD delivers the following changes: 1.Updates all objects under RAID Devices - Dell/EMC Arrays - EMC SymmAPI Information in the Vantage object tree to support the latest SymmAPI version 8.5. 2.Fixes a small memory leak that occurs when an object located in the following folders collects data: RAID Devices - Dell/EMC Arrays - EMC SymmAPI Information - VMAX RAID Devices - Dell/EMC Arrays - EMC SymmAPI Information - HYPERMAX,POWERMAX SYMPTOMS: 1.The related objects may contain invalid data. 2.A small increase in memory consumption in the Vantage STC private area anytime the related objects are executed and closed. IMPACT: 1.Possible incompatibility with SymmAPI 8.5 can result in invalid data in the objects, or unexpected behavior can occur. 2.Memory is not released, a GETMAIN error can occur. CIRCUMVENTION: 1.None. 2.None. PRODUCT(S) AFFECTED: Vantage Storage Resource Manager Release 14.1 Related Problem: VANT 16497 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00074-CTU141 DESC(EMC SYMMAPI V850 SUPPORT, MEMORY LEAK FIX). ++VER (Z038) FMID (CCTUE10) PRE (LU04291) SUP (LT06266 LT06603) ++HOLD (LU06603) SYSTEM FMID(CCTUE10) REASON (ACTION) DATE (22276) COMMENT (+----------+--+ |SEQUENCE | After Apply | | | Before using the following objects located under | | | RAID Devices - Dell/EMC Arrays - EMC SymmAPI Information | | | in the Vantage object tree: | | | OBJ02169 - EMC VMAX Thin Allocations | | | OBJ02172 - EMC VMAX Thin Pools | | | OBJ02173 - EMC VMAX Data Devices | | | OBJ02175 - EMC VMAX Thin Status | | | OBJ02183 - EMC Hypermax/Powermax Thin Allocations | | | OBJ02179 - EMC Hypermax/Powermax Thin Pools | | | OBJ02184 - EMC Hypermax/Powermax Data Devices | | | OBJ02185 - EMC Hypermax/Powermax Thin Status | | | OBJ02186 - EMC Hypermax/Powermax Stor Res Pools | +----------+--+ |PURPOSE | Update Vantage jobs responsible for collecting the data |

Service	Details
	``` | | for the related objects in Disk Interval (DI) mode. | +----------+--+ |USERS | All users of objects listed above using the objects in | |AFFECTED | DI mode. | +----------+--+ |KNOWLEDGE | Vantage configuration and customization. | |REQUIRED | | +----------+--+ |ACCESS | Vantage libraries. | |REQUIRED | | +----------+--+ ************************** * STEPS TO PERFORM * ************************** 1.After this SYSMOD APPLY, take a backup of yourHLQ.JCLLIB Vantage JCL library. 2.In yourHLQ.CCTUSAMP locate the following members: VNGEMC69, VNGEMC72, VNGEMC73, VNGEMC75 and VNGEMC86, and copy them into yourHLQ.JCLLIB using the REPLACE option. 3.Update the copied sample jobs listed above in yourHLQ.JCLLIB according to the self-contained instructions. Pay attention to the STEPLIB and SCF DD statements. 4.Recycle Vantage STC.). ```

Service	Details
LU07441	LU07441 M.C.S. ENTRIES = ++PTF (LU07441) HIT% COLUMN IN CATALOG CACHE REPORT OBJ. SHOWS WRONG VALUES PROBLEM DESCRIPTION: Column "Hit%" in (OBJ02408) CAS Catalog Cache report object located under Catalog Management - Catalog Address Space (CAS) in the Vantage object tree shows wrong values on z/OS 2.5. This SYSMOD ensures that the Hit% column shows correct values from 0 to 100. SYMPTOMS: All percentage values have only one digit in the "Hit%" column on z/OS 2.5. IMPACT: Vantage provides misleading information in Hit% column. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Vantage Storage Resource Manager Release 14.1 Related Problem: VANT 18341 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00100-CTU141 DESC(HIT% COLUMN IN CATALOG CACHE REPORT OBJ. SHOWS WRONG VALUES). ++VER (Z038) FMID (CCTUE10) PRE (LU04291 LU04707) SUP (LT07441)

Service	Details
LU07445	LU07445 M.C.S. ENTRIES = ++PTF (LU07445) REWORK(2022285)

```
UPDATES TO VANTAGE CONFIGURATION OBJECTS
ENHANCEMENT DESCRIPTION:
This SYSMOD enhances the following Vantage configuration objects:
* (VVVTCONF) Spare Vol and STG Ovrd Parameters
* (SSGACONF) Spare Vol and STG Base Parameters
located under CA Vantage Internal Management - Configuration - Configure
ADD Volume to STG in the Vantage object tree, as follows:
1) Adds action 'Load Default'
2) Adds action 'Move One Row'
3) Renames action 'Add One Row' to 'Copy and Edit Row'
4) Renames action 'Modify One Row' to 'Edit Row'
5) Renames action 'Delete Sel Rows' to 'Delete row/s'
The following Vantage configuration object:
* (SMFCONF) Configuration of SMF objects
located under CA Vantage Internal Management - Configuration in the Vantage
object tree, as follows:
1) Renames action 'Refresh' to 'Load Default'
2) Renames action 'Modify One Row' to 'Edit Row'
The following Vantage configuration object:
* (SCCONFIG) Configuration of SC objects
located under CA Vantage Internal Management - Configuration in the Vantage
object tree, as follows:
1) Renames 'Modify One Row' to 'Edit Row'
In addition, this SYSMOD adds the following columns 'SysplexVan', 'LparVan'
and 'SubsystemVan' to the listed objects, to improve readability while
working with these objects in the MTC-M multi-host view.
SYMPTOMS:
None.
IMPACT:
None.
CIRCUMVENTION:
None.
PRODUCT(S) AFFECTED:
Vantage Storage Resource Manager                          Release 14.1
Related Problem:
VANT 17718
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R00101-CTU141

DESC(UPDATES TO VANTAGE CONFIGURATION OBJECTS).
++VER (Z038)
FMID (CCTUE10)
PRE ( LU03817 LU04291 LU05325 LU07025 )
SUP ( LT06574 LT07224 LT07445 LU07224 )
++HOLD (LU07445) SYSTEM FMID(CCTUE10)
REASON (ENH   )   DATE (22285)
COMMENT (
+--------------------------------------------------------------------+
|      Vantage Storage Resource Manager              Release 14.1     |
+----------+---------------------------------------------------------+
|SEQUENCE  | After Apply                                             |
+----------+---------------------------------------------------------+
```

Service	Details
| | ```
|PURPOSE   | Describe enhancements to the following Vantage objects:   |
|          | * (VVVTCONF) Spare Vol and STG Ovrd Parameters            |
|          | * (SSGACONF) Spare Vol and STG Base Parameter             |
|          | * (SMFCONF) Configuration of SMF objects                  |
|          | * (SCCONFIG) Configuration of SC objects                  |
+----------+-----------------------------------------------------------+
|USERS     | All users of the following Vantage objects:               |
|AFFECTED  | * (VVVTCONF) Spare Vol and STG Ovrd Parameters            |
|          | * (SSGACONF) Spare Vol and STG Base Parameter             |
|          | * (SMFCONF) Configuration of SMF objects                  |
|          | * (SCCONFIG) Configuration of SC objects                  |
+----------+-----------------------------------------------------------+
|KNOWLEDGE | Vantage configuration and customization.                  |
|REQUIRED  |                                                           |
+----------+-----------------------------------------------------------+
|ACCESS    | Vantage libraries.                                        |
|REQUIRED  |                                                           |
+----------+-----------------------------------------------------------+
**************************
* STEPS   TO   PERFORM *
**************************
This SYSMOD enhances the following Vantage configuration objects:
* (VVVTCONF) Spare Vol and STG Ovrd Parameters
* (SSGACONF) Spare Vol and STG Base Parameters
located under CA Vantage Internal Management - Configuration -
Configure ADD Volume to STG in the Vantage object tree, as follows:
1. Adds action 'Load Default'
2. Adds action 'Move One Row'
3. Renames action 'Add One Row' to 'Copy and Edit Row'
4. Renames action 'Modify One Row' to 'Edit Row'
5. Renames action 'Delete Sel Rows' to 'Delete row/s'
The following Vantage configuration object:
* (SMFCONF) Configuration of SMF objects
located under CA Vantage Internal Management - Configuration in the
Vantage object tree, as follows:
1. Renames action 'Refresh' to 'Load Default'
2. Renames action 'Modify One Row' to 'Edit Row'
The following Vantage configuration object:
* (SCCONFIG) Configuration of SC objects
located under CA Vantage Internal Management - Configuration in the
Vantage object tree, as follows:
1. Renames 'Modify One Row' to 'Edit Row'
In addition, this SYSMOD adds the following columns 'SysplexVan',
'LparVan' and 'SubsystemVan' to the listed objects, to improve
readability while working with these objects in the MTC-M
multi-host view.
This enhancement is delivered activated and no further manual
steps are required.
).
``` |

Service	Details
LU07713	LU07713 M.C.S. ENTRIES = ++PTF (LU07713) REWORK(2022293) VANTAGE DOES NOT SHOW DATA FROM VOLUMES WITH LARGE VTOC PROBLEM DESCRIPTION: The GETMAIN FAIL error appears when the execution of the Vantage DSNCTLG audit script fails after collecting data for volumes with large VTOCs. Note: A large VTOC of size is considered to be 100CYL. Data are not collected for the following objects located under Catalog Management- Audits - Catalog Entries Not On Disk in the Vantage object tree: (DSNCTLGD) Details of Online Volumes (DSNCTLGO) Details of Offline Volumes This SYSMOD function moves the Vantage internal buffers for the CVAFFILT macro above the bar. This ensures that no GETMAIN error occurs and that objects provide data for volumes with large VTOC (such as EAV volumes). SYMPTOMS: The following messages are present in JESMSGLG part of the Vantage STC log: VAN0590E: GETMAIN FAILED, LEN= 131,222,148 SP=000 ID=VtocBufr GETMAIN AREA G CALLER=GENVTOCR OFFSET=00000D1E VAN0590D 1,366,294,528=REGION LIMIT FOR MEMORY ABOVE THE LINE VAN0590D 70,586,368=MAX LENGTH CURRENTLY AVAILABLE ABOVE THE LINE (AT ADR=35E08000) VAN0590D 9,412,608=REGION LIMIT FOR MEMORY BELOW THE LINE VAN0590D 5,414,912=MAX LENGTH CURRENTLY AVAILABLE BELOW THE LINE (AT ADR=00322000) VAN0591E: READ OF VTOC ON VOL=S$SM00 FAILED. RC=4 (GETMAIN FOR BUFFERS F AILED) IMPACT: The DSNCTLG script fails. Objects (DSNCTLGD) Details of Online Volumes and (DSNCTLGO) Details of Offline Volumes provides partial data, or no data at all. CIRCUMVENTION: Exclude the volumes with large VTOCs via an INCLEXCL member through one of the following sections: START-EXCLUDE-VOL START-EXCLUDE-CUA PRODUCT(S) AFFECTED: Vantage Storage Resource Manager Release 14.1 Related Problem: VANT 18108 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00103-CTU141 DESC(VANTAGE DOES NOT SHOW DATA FROM VOLUMES WITH LARGE VTOC). ++VER (Z038) FMID (CCTUE10) PRE (LU04291 LU07025 LU07445) SUP (LT07323 LT07713)

Service	Details
LU07789	LU07789 M.C.S. ENTRIES = ++PTF (LU07789) REWORK(2022300) EMC DLM THROUGHPUT STATISTICS OBJECT FAILS FOR RELEASES 5.X PROBLEM DESCRIPTION: The "(OBJ10786) EMC DLm Throughput - statistics" object fails to create data from the %%DLMDIPFX%%.DLMTHRPU data set for EMC DLm version 5.0 and later. The object is located under Tape Resource Management - Virtual Tape Systems - Dell/EMC DLm Virtual Tape in the Vantage object tree. This SYSMOD ensures that the object provides the EMC DLm throughput report data up to DLm version 5.4. SYMPTOMS: The following message appears in the client upon execution of the "(OBJ10786) EMC DLm Throughput - statistics" object: Error - INFO GET, RC=4, probably incorrect input file IMPACT: The object does not provide data for the EMC DLm throughput reports for EMC DLm version 5.0 and later. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: Vantage Storage Resource Manager Version 14.1 Related Problem: VANT 18567 (C) 2022 Broadcom Inc and/or its subsidiaries; All rights reserved R00107-CTU141 DESC(EMC DLM THROUGHPUT STATISTICS OBJECT FAILS FOR RELEASES 5.X). ++VER (Z038) FMID (CCTUE10) PRE (LU04291) SUP (LT07789) MCS LU05802 STARTS ON PAGE 0002 MCS LU06549 STARTS ON PAGE 0003 MCS LU06603 STARTS ON PAGE 0004 MCS LU07441 STARTS ON PAGE 0006 MCS LU07445 STARTS ON PAGE 0007 MCS LU07713 STARTS ON PAGE 0010 MCS LU07789 STARTS ON PAGE 0012

Product Family	Product	Release
Performance and Storage	VANTAGE SRM AND VANTAGE GMI	14.01.00

The CA RS 2211 Product/Component Count for this release is 1

CA RS Level	Service	FMID
CAR2211	LU07789	CCTUE10
	LU07713	CCTUE10
	LU07445	CCTUE10
	LU07441	CCTUE10
	LU06603	CCTUE10
	LU06549	CCTUE10
	LU05802	CCTUE10
CAR2210	LU07233	CCTUE10
	LU07224	CCTUE10
	LU07159	CCTUE10
	LU06434	CCTUE10
CAR2209	LU07039	CCTUE10
	LU07025	CCTUE10
	LU06996	CCTUE10
	LU06902	CCTUE10
	LU06725	CCTUE10
	LU06723	CCTUE10
	LU06706	CCTUE10
	LU06691	CCTUE10
	LU06562	CCTUE10
	LU06345	CCTUE10
CAR2208	LU06597	CCTUE10
	LU06462	CCTUE10
	LU06453	CCTUE10
CAR2207	LU06367	CCTUE10
	LU06209	CCTUE10
	LU05833	CCTUE10
	LU05563	CCTUE10
	LU05077	CCTUE10
	LU04762	CCTUE10
	LU04010	CCTUE10
CAR2206	LU06056	CCTUE10
	LU05817	CCTUE10
	LU05539	CCTUE10
	LU05081	CCTUE10
	LU04565	CCTUE10
CAR2205	LU05325	CCTUE10
	LU05167	CCTUE10
	LU05056	CCTUE10
CAR2204	LU05094	CCTUE10
	LU05021	CCTUE10
	LU04766	CCTUE10
	LU04707	CCTUE10
	LU04548	CCTUE10
	LU04201	CCTUE10
	LU03962	CCTUE10
	LU03960	CCTUE10

CA RS Level	Service	FMID
	LU03268	CCTUE10
CAR2203	LU04383	CCTUE10
	LU04126	CCTUE10
	LU04104	CCTUE10
	LU03798	CCTUE10
CAR2202	LU04291	CCTUE10
	LU04179	CCTUE10
	LU04157	CCTUE10
	LU04130	CCTUE10
CAR2201	LU03890	CCTUE10
	LU03817	CCTUE10
	LU03271	CCTUE10
CAR2112	LU03288	CCTUE10
CAR2111	LU03075	CCTUE10