

CA Vantage Storage Resource Manager 14.0
CA RS 2005 Service List

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Service	Description	Type
S011427	FIXES FOR CA VANTAGE AUDITS OF DFSMSHSM BCDS AND MCDS	PTF
S012492	CA VANTAGE CATALOG(CSI) OBJECTS ENHANCEMENTS	PTF
S012611	TIMLASTSYNC VALUES INCORRECT IN (OBJ10784)EMC REPLIC.STAT.	PTF
S012692	EMC/DELL CA VANTAGE RAID OBJECTS ENHANCEMENTS	PTF
S012695	SUPPORT OF SUBSTITUTION VARIABLES IN CA VANTAGE ALERTS	PTF
S012928	NEW HYPERMAX/POWERMAX OBJECTS AND RAID OBJ. ENHANCEMENTS	PTF
The CA RS 2005 service count for this release is 6		

CA Vantage Storage Resource Manager
CA RS 2005 Service List for CCTUE00

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FMID	Service	Description	Type
CCTUE00	S011427	FIXES FOR CA VANTAGE AUDITS OF DFSMSHSM BCDS AND MCDS	PTF
	S012492	CA VANTAGE CATALOG(CSI) OBJECTS ENHANCEMENTS	PTF
	S012611	TIMLASTSYNC VALUES INCORRECT IN (OBJ10784)EMC REPLIC.STAT.	PTF
	S012692	EMC/DELL CA VANTAGE RAID OBJECTS ENHANCEMENTS	PTF
	S012695	SUPPORT OF SUBSTITUTION VARIABLES IN CA VANTAGE ALERTS	PTF
	S012928	NEW HYPERMAX/POWERMAX OBJECTS AND RAID OBJ. ENHANCEMENTS	PTF
The CA RS 2005 service count for this FMID is 6			

Service	Details				
SO11427	<p>SO11427 M.C.S. ENTRIES = ++PTF (SO11427)</p> <p>FIXES FOR CA VANTAGE AUDITS OF DFSMSHSM BCDS AND MCDS</p> <p>PROBLEM DESCRIPTION:</p> <ol style="list-style-type: none"> 1. When you execute an MCDS audit, the CA Vantage object "(HSMAMCD) DFSMSHsm MCDS Audit Details", located under Backup and Archive Management - DFSMSHsm - Details, incorrectly reports a result of NO_ERROR. Additionally, the object "(HSMASMC) DFSMSHsm MCDS Audit Summary", located under Backup and Archive Management - DFSMSHsm - Summary in the CA Vantage tree, shows a summary of zero errors. 2. When you execute an BCDS audit, the CA Vantage object "(HSMABCD) DFSMSHsm BCDS Audit Details", located under Backup and Archive Management - DFSMSHsm - Details, doesn't reports all the possible errors. 3. The CA Vantage object "(HSMCD) DFSMSHsm MCDS Records", located under Backup and Archive Management - DFSMSHsm - Control Data Sets, does not shows all the MCDS records. <p>This sysmod ensures that all the related objects will show accurate data. Additionally, this sysmod enhances the CA Vantage DFSMSHsm interface as follows:</p> <ul style="list-style-type: none"> * Adds the actions View, Configure and Run AUDITBCD script to the zoom-in object "(HSMABCD) DFSMSHsm BCDS Audit Details". * Adds the actions View, Configure and Run AUDITMCD script to the zoom-in object "(HSMAMCD) DFSMSHsm MCDS Audit Details". * Adds the action "Uncatalog Cat Vol" for Fix ERR018 to the objects "(HSMAMCD) DFSMSHsm MCDS Audit Details" and "(HSMABCD) DFSMSHsm BCDS Audit Details". * Removes inaccurate ERR002 and ERR007 error codes and action "Catalog to Src Vol" for ERR006 from "(HSMABCD) DFSMSHsm BCDS Audit Details" object. * Removes inaccurate INF001 and ERR002 error codes and actions "Catalog to Src Vol" for ERR006, 'Catalog to MIGRAT' for ERR009 from "(HSMAMCD) DFSMSHsm MCDS Audit Details" object. <p>SYMPTOMS:</p> <ol style="list-style-type: none"> 1. The object "(HSMAMCD) DFSMSHsm MCDS Audit Details" always shows NO_ERROR, and the execution time of the AUDITMCD script is very short. 2. The object "(HSMABCD) DFSMSHsm BCDS Audit Details" doesn't shows all the possible errors. 3. All the records presented in the object "(HSMCD) DFSMSHsm MCDS Records" show a value equal to or greater than 8 in the Mcdflags column. <p>IMPACT:</p> <ol style="list-style-type: none"> 1. The audit of MCDS DFSMSHsm records does not provide accurate data. 2. The audit of BCDS DFSMSHsm records does not provide accurate data. 3. The object that shows the MCDS records does not include all the records. <p>CIRCUMVENTION:</p> <p>NONE.</p> <p>PRODUCTS AFFECTED:</p> <table> <tr> <td>CA Vantage SRM</td><td>Release 14.0</td></tr> <tr> <td>CA Vantage GMI</td><td>Release 14.0</td></tr> </table> <p>Related Problem:</p> <p>VANT 9937</p> <p>Copyright (C) 2020 CA. All rights reserved. R00313-CTU140-SP1</p> <p>DESC(FIXES FOR CA VANTAGE AUDITS OF DFSMSHSM BCDS AND MCDS).</p>	CA Vantage SRM	Release 14.0	CA Vantage GMI	Release 14.0
CA Vantage SRM	Release 14.0				
CA Vantage GMI	Release 14.0				

CA Vantage Storage Resource Manager 14.0
CA RS 2005 - PTF SO11427 Details

Service	Details
	++VER (Z038) FMID (CCTUE00) PRE (R087496 R088960 R089834 R092145 R099407 S000577 S007908 S008213 S012492) SUP (ST10075 ST11427)

Service	Details
SO12492	<p>SO12492 M.C.S. ENTRIES = ++PTF (SO12492)</p> <p>CA VANTAGE CATALOG(CSI) OBJECTS ENHANCEMENTS</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This sysmod delivers the following enhancements:</p> <p>1) Adds the column "1-VolserSym" to the object (OBJ02014) All Data Sets Info - based on CSI long, located under Catalog Management in the CA Vantage object tree. This column shows the first volume serial name with symbolic name.</p> <p>2) Adds the column "VType" to the object (OBJ02015) VSAM Data Sets Info - based on CSI, located under Catalog Management in the CA Vantage object tree. This column shows the VSAM Data Set type.</p> <p>3) Adds zoom to "All Data Sets Info - Based on CSI short" and "All Data Sets Info - Based on CSI long" to the following objects:</p> <p>(CATALOGH) Catalogs Defined</p> <p>(CATALOGI) Alias to Catalog Xref</p> <p>(CATALOGJ) On Volume (Lspace Information)</p> <p>(OBJ02383) Cataloged Aliases with Entries/No Entries</p> <p>(DB2DETAL) DB2 Data set Details</p> <p>(OBJ02139) Log, Capture and Checkpoint Data Sets</p> <p>(OBJ04012) Cataloged ARCIVE not in DSNINDEX</p> <p>(DSNCTLGO) All data sets pointing to offline volumes</p> <p>(DB2ZDSN) DB2 Data set Details</p> <p>(DSNCTLGD) Details of Cataloged Dsn not on DASD</p> <p>4) Adds zoom to "All Data Sets Info - Based on CSI long" to the following objects:</p> <p>(OBJ01060) CA Vantage Configuration Data Sets</p> <p>(OBJ01061) CA Vantage Current Allocations (Data Sets)</p> <p>(OBJ02414) Data Set Allocations</p> <p>5) Adds the following columns to the object (VOBJDEFS) Dictionary Object Definitions. These columns are intended for CA Vantage developers:</p> <p>PList64 - 8-byte Parameter LIST - Y/N</p> <p>InfoCrT - INFOarea CReation TYpe - B/A/U</p> <p>UniqF - Unique fields in the object - Y/N</p> <p>Help Mem - Name of the help member for the object</p> <p>SYMPTOMS:</p> <p>None.</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Vantage SRM Release 14.0</p> <p>CA Vantage GMI Release 14.0</p> <p>Related Problem:</p> <p>VANT 9946</p> <p>Copyright (C) 2020 CA. All rights reserved. R00340-CTU140-SP1</p> <p>DESC(CA VANTAGE CATALOG(CSI) OBJECTS ENHANCEMENTS).</p> <p>++VER (Z038)</p> <p>FMID (CCTUE00)</p> <p>PRE (R087496 R088960 R092145 R093221 R095664 R097229</p> <p>S000071 S000577 S000868 S005989 S006433 S006758</p> <p>S007908 S008389 S008404 S008705 S008708 S012440)</p>

Service	Details
	<p>SUP (R095843 R097610 ST11117 ST11724 ST11729 ST12325 ST12464 ST12492 TR95843 TR97610) ++HOLD (SO12492) SYSTEM FMID(CCTUE00) REASON (ENH) DATE (20092) COMMENT (</p> <pre> +-----+ CA Vantage SRM and CA Vantage GMI Version 14.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ PURPOSE Describes the new enhancement to current objects. +-----+-----+ USERS All users. AFFECTED +-----+-----+ KNOWLEDGE CA Vantage customization. REQUIRED +-----+-----+ ACCESS CA Vantage libraries. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** This sysmod delivers the following enhancements: * Adds the column "1-VolserSym" to the object (OBJ02014) All Data Sets Info - based on CSI long, located under Catalog Management in the CA Vantage object tree. This column shows the first volume serial name with symbolic name. * Adds the column "VType" to the object (OBJ02015) VSAM Data Sets Info - based on CSI, located under Catalog Management in the CA Vantage object tree. This column shows the VSAM Data Set type. * Adds zoom to "All Data Sets Info - Based on CSI short" and "All Data Sets Info - Based on CSI long" to the following objects: (CATALOGH) Catalogs Defined (CATALOGI) Alias to Catalog Xref (CATALOGJ) On Volume (Lspace Information) (OBJ02383) Cataloged Aliases with Entries/No Entries (DB2DETAL) DB2 Data set Details (OBJ02139) Log, Capture and Checkpoint Data Sets (OBJ04012) Cataloged ARCIVE not in DSNINDEX (DSNCTLGO) All data sets pointing to offline volumes (DB2ZDSN) DB2 Data set Details (DSNCTLGD) Details of Cataloged Dsn not on DASD * Adds zoom to "All Data Sets Info - Based on CSI long" to the following objects: (OBJ01060) CA Vantage Configuration Data Sets (OBJ01061) CA Vantage Current Allocations (Data Sets) (OBJ02414) Data Set Allocations 1. To activate those enhancements, apply this sysmod, recycle CA Vantage STC and execute REASON(EXIT) hold data instructions. </pre>

Service	Details																
	<pre>).</pre> <pre>++HOLD (SO12492) SYSTEM FMID(CCTUE00)</pre> <pre>REASON (EXIT) DATE (20092)</pre> <pre>COMMENT (</pre> <pre>+-----+</pre> <table><tr><td>CA Vantage SRM and CA Vantage GMI</td><td>Version 14.0</td></tr></table> <pre>+-----+</pre> <pre> SEQUENCE Before using objects: </pre> <table><tr><td>(OBJ02014) All Data Sets Info - based on CSI long</td></tr><tr><td>(OBJ02015) VSAM Data Sets Info - based on CSI</td></tr></table> <pre>+-----+</pre> <pre> PURPOSE New map of Objects. </pre> <pre>+-----+</pre> <table><tr><td>USERS</td><td>All users of the "(OBJ02014) All Data Sets Info - based</td></tr><tr><td>AFFECTED</td><td>on CSI long, (OBJ02015) VSAM Data Sets Info - based on</td></tr><tr><td></td><td>CSI" objects or users using log or capture records of</td></tr><tr><td></td><td>related objects.</td></tr></table> <pre>+-----+</pre> <pre> KNOWLEDGE CA Vantage Customization. </pre> <pre> REQUIRED </pre> <pre>+-----+</pre> <table><tr><td>ACCESS</td><td>CA Vantage libraries.</td></tr><tr><td>REQUIRED</td><td></td></tr></table> <pre>+-----+</pre> <pre>*****</pre> <pre>* STEPS TO PERFORM *</pre> <pre>*****</pre> <pre>Mapping have changed for the below objects:</pre> <pre>* Obj=(OBJ02014) All Data Sets Info - based on CSI long</pre> <pre>Column "1-VolserSym" is added.</pre> <pre>* Obj=(OBJ02015) VSAM Data Sets Info - based on CSI</pre> <pre>Column "VType" is added.</pre> <pre>1. Reload the related Windows Client object definition on any</pre> <pre>system where this maintenance is installed.</pre> <pre>2. If you have Windows Client User View or Web Client Dashboard</pre> <pre>created on any of the objects above, go to View and Output</pre> <pre>Object definition or Dashboard setting and ensure that the</pre> <pre>columns of your interest are selected to be displayed.</pre> <pre>3. If any of the objects above are specified in Summary, Joined,</pre> <pre>Delta, User view, Console or Dashboard object definition</pre> <pre>filters, review the fields in the filter to</pre> <pre>ensure that the correct field or value is tested.</pre> <pre>4. If any of the fields above are specified in SYSTEM, LOG, GOA,</pre> <pre>AUDIT, MESSAGE script filter criteria, review the script</pre> <pre>filter criteria and ensure that correct field or value</pre> <pre>is being tested.</pre> <pre>5. Review and update your programs or templates that use the</pre> <pre>objects above. Update your programs or templates that work</pre> <pre>with log or capture records of the objects above.</pre> <pre>For more information, see the MAPPINGS member distributed</pre> <pre>in the CCTUSAMP library.</pre> <pre>).</pre>	CA Vantage SRM and CA Vantage GMI	Version 14.0	(OBJ02014) All Data Sets Info - based on CSI long	(OBJ02015) VSAM Data Sets Info - based on CSI	USERS	All users of the "(OBJ02014) All Data Sets Info - based	AFFECTED	on CSI long, (OBJ02015) VSAM Data Sets Info - based on		CSI" objects or users using log or capture records of		related objects.	ACCESS	CA Vantage libraries.	REQUIRED	
CA Vantage SRM and CA Vantage GMI	Version 14.0																
(OBJ02014) All Data Sets Info - based on CSI long																	
(OBJ02015) VSAM Data Sets Info - based on CSI																	
USERS	All users of the "(OBJ02014) All Data Sets Info - based																
AFFECTED	on CSI long, (OBJ02015) VSAM Data Sets Info - based on																
	CSI" objects or users using log or capture records of																
	related objects.																
ACCESS	CA Vantage libraries.																
REQUIRED																	

Service	Details	
SO12611	SO12611 M.C.S. ENTRIES = ++PTF (SO12611)	
	TIMLASTSYNC VALUES INCORRECT IN (OBJ10784)EMC REPLIC.STAT.	
	PROBLEM DESCRIPTION:	
	The CA Vantage object (OBJ10784) EMC DLm Replication Statistics, located under Tape Management Systems - Virtual Tape Systems - Dell/EMC DLm Virtual Tape in the CA Vantage object tree, shows incorrect values in the column "TimLastSync" if the date of creation of the report differs from the values in "LastSyncDate".	
	This sysmod ensures that column TimLastSync will always show correct values.	
	SYMPTOMS:	
	The records in (OBJ10784) EMC DLm Replication Statistics have incorrect values for "TimLastSync".	
	The column "TimLastSync" is not described in the help text for the object.	
	IMPACT:	
	Incorrect data shows in the column "TimLastSync".	
	Help for the column "TimeLastSync" cannot be obtained.	
	CIRCUMVENTION:	
	None.	
	PRODUCT(S) AFFECTED:	
	CA Vantage SRM Release	14.0
	CA Vantage GMI Release	14.0
	Related Problem:	
	VANT 9967	
	Copyright (C) 2020 CA. All rights reserved. R00342-CTU140-SP1	
	DESC(TIMLASTSYNC VALUES INCORRECT IN (OBJ10784)EMC REPLIC.STAT.).	
	++VER (Z038)	
	FMID (CCTUE00)	
	PRE (R097682 R098197 S000868 S007903 S008209)	
	SUP (ST10990 ST12611)	
	++HOLD (SO12611) SYSTEM FMID(CCTUE00)	
	REASON (EXIT) DATE (20092)	
	COMMENT (
	+-----+	
	CA Vantage SRM and CA Vantage GMI	Version 14.0
	+-----+	
	SEQUENCE	After Apply
		Before using object:
		(OBJ10784) EMC DLm Replication Statistics
	+-----+	
	PURPOSE	New map of Objects.
	+-----+	
	USERS	All users of the "(OBJ10784) EMC DLm Replication
	AFFECTED	Statistics" or users using log or capture records of
		related object.
	+-----+	
	KNOWLEDGE	CA Vantage Customization.
	REQUIRED	
	+-----+	
	ACCESS	CA Vantage libraries.
	REQUIRED	
	+-----+	

Service	Details
	<p>*****</p> <p>* STEPS TO PERFORM *</p> <p>*****</p> <p>Mapping have changed for the below objects:</p> <p>* Obj=(OBJ10784) EMC DLM Replication Statistics</p> <p>Column "TimeLastSync" format has been changed from HH:MM:SS.TH (99:59:59.99) to DD-HH:MM:SS.TH (99-23:59:59.99).</p> <ol style="list-style-type: none"> 1. Reload the related Windows Client object definition on any system where this maintenance is installed. 2. If you have Windows Client User View or Web Client Dashboard created on any of the objects above, go to View and Output Object definition or Dashboard setting and ensure that the columns of your interest are selected to be displayed. 3. If any of the objects above are specified in Summary, Joined, Delta, User view, Console or Dashboard object definition filters, review the fields in the filter to ensure that the correct field or value is tested. 4. If any of the fields above are specified in SYSTEM, LOG, GOA, AUDIT, MESSAGE script filter criteria, review the script filter criteria and ensure that correct field or value is being tested. 5. Review and update your programs or templates that use the objects above. Update your programs or templates that work with log or capture records of the objects above. <p>For more information, see the MAPPINGS member distributed in the CCTUSAMP library.</p> <p>).</p>

Service	Details
SO12692	<p>SO12692 M.C.S. ENTRIES = ++PTF (SO12692)</p> <p>EMC/DELL CA VANTAGE RAID OBJECTS ENHANCEMENTS</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This sysmod delivers the following enhancements:</p> <p>1) Adds the new object (OBJ02178) EMC Symmetrix Systems under RAID Devices - Dell/EMC Arrays - EMC SymAPI Information in the CA Vantage object tree. This new object shows all EMC boxes of microcode level 5874 and higher. The data from this object is also added to the object (OBJ02231) Combined Subsystems, located under RAID Devices in the CA Vantage object tree.</p> <p>2) Adds the new object (OBJ02179) EMC HyperMax/PowerMax Thin Pools under RAID Devices - Dell/EMC Arrays - EMC SymAPI Information - HYPERMAX, POWERMAX in the CA Vantage object tree. This new object shows information from the 'Pools on Controller' report for microcode level 5977 and higher.</p> <p>3) Updates the object (OBJ02172) EMC VMAX Thin Pools, located under RAID Devices - Dell/EMC Arrays - EMC SymAPI Information - VMAX in the CA Vantage object tree to support and show data from the 'Pools on Controller' report for microcode level from 5874 to 5876.</p> <p>4) Updates all objects under EMC SymmAPI Information in the CA Vantage object tree to work with the latest SymmAPI version 8.3.</p> <p>5) Moves the following CA Vantage objects above the bar, ensuring better memory management and preventing GETMAIN problems below the bar:</p> <p>(OBJ02226) Parallel Access Volumes</p> <p>(OBJ02364) IBM TotalStorage Volumes</p> <p>(OBJ02365) Metro/Global Mirr and Copy Vols</p> <p>(OBJ10765) Flash Copy Volumes</p> <p>(RAIDLVOL) Combined Volumes</p> <p>6) Reorganizes the folder structure and their object entries under EMC SymmAPI Information in the CA Vantage object tree to provide better orientation and more logical grouping based on EMC API type and HW version.</p> <p>SYMPTOMS:</p> <p>None.</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Vantage SRM Release 14.0</p> <p>CA Vantage GMI Release 14.0</p> <p>Related Problem:</p> <p>VANT 9943</p> <p>Copyright (C) 2020 CA. All rights reserved. R00344-CTU140-SP1</p> <p>DESC(EMC/DELL CA VANTAGE RAID OBJECTS ENHANCEMENTS).</p> <p>++VER (Z038)</p> <p>FMID (CCTUE00)</p> <p>PRE (R084906 R087496 R088960 R089834 R092145 R096735</p> <p>R097383 R097682 R098189 R099407 R099883 S000577</p> <p>S001683 S003710 S003923 S005955 S006439 S011198)</p> <p>SUP (R094392 R095228 R095373 R098578 S003862 S009153</p> <p>ST03862 ST09153 ST11873 ST12692 TR94392 TR95077</p> <p>TR95228 TR95373 TR98578)</p> <p>++HOLD (SO12692) SYSTEM FMID(CCTUE00)</p>

Service	Details
REASON (ACTION) DATE (20098)	
COMMENT (
+-----+-----+	
CA Vantage SRM and CA Vantage GMI	Version 14.0
+-----+-----+	
SEQUENCE After Apply	
	Before using following CA Vantage objects:
	(OBJ02172) EMC VMAX Thin Pools
	(OBJ02179) EMC HyperMax/PowerMax Thin Pools
+-----+-----+	
PURPOSE To use updated version of CA Vantage system script.	
+-----+-----+	
USERS Users of EMC SymmAPI Information objects located under	
AFFECTED RAID Devices - Dell/EMC Arrays in CA Vantage object tree.	
+-----+-----+	
KNOWLEDGE CA Vantage SRM customization.	
REQUIRED	
+-----+-----+	
ACCESS CA Vantage SRM CSI and libraries.	
REQUIRED	
+-----+-----+	

* STEPS TO PERFORM *	

SET_DI_TOKEN=OBJECT NAME=OBJ02179 statement has been added to sample of CA Vantage system script located in your HLQ.CCTUSAMP(VNG02172) 1. Locate the VNG02172 system script sample in your HLQ.CCTUSAMP CA Vantage library. 2. Copy new version of VNG02172 system script to your HLQ.SYSTSCR CA Vantage system script library. 3. Execute the following command to reload the script in the memory or use the UI function "refresh" on related script: /F SAMS,AUTO,REFRESH=SYSTEM,VNG02172 Before firing the script and collecting data for related objects.) ++HOLD (SO12692) SYSTEM FMID(CCTUE00)	
REASON (ENH) DATE (20098)	
COMMENT (
+-----+-----+	
CA Vantage SRM and CA Vantage GMI	Version 14.0
+-----+-----+	
SEQUENCE After Apply	
+-----+-----+	
SEQUENCE Before using objects located under RAID Devices -	
	Dell/EMC Arrays - EMC SymAPI Information in CA Vantage
	object tree.
+-----+-----+	
PURPOSE Describe enhancements CA Vantage objects.	
+-----+-----+	
USERS All users of EMC SymAPI Information objects.	
AFFECTED	
+-----+-----+	
KNOWLEDGE CA Vantage customization.	
REQUIRED	

Service	Details
	<pre> +-----+-----+ ACCESS REQUIRED CA Vantage libraries. +-----+-----+ ***** * STEPS TO PERFORM * ***** This sysmod delivers the following enhancements: * Adds the new object (OBJ02178) EMC Symmetrix Systems under RAID Devices - Dell/EMC Arrays - EMC SymAPI Information in the CA Vantage object tree. This new object shows all EMC boxes of microcode level 5874 and higher. The data from this object is also added to the object (OBJ02231) Combined Subsystems, located under RAID Devices in the CA Vantage object tree. * Adds the new object (OBJ02179) EMC HyperMax/PowerMax Thin Pools under RAID Devices - Dell/EMC Arrays - EMC SymAPI Information - HYPERMAX, POWERMAX in the CA Vantage object tree. This new object shows information from the 'Pools on Controller' report for microcode level 5977 and higher. * Updates the object (OBJ02172) EMC VMAX Thin Pools, located under RAID Devices - Dell/EMC Arrays - EMC SymAPI Information - VMAX in the CA Vantage object tree to support and show data from the 'Pools on Controller' report for microcode level from 5874 to 5876. * Updates all objects under EMC SymmAPI Information in the CA Vantage object tree to work with the latest SymmAPI version 8.3. * Moves the following CA Vantage objects above the bar, ensuring better memory management and preventing GETMAIN problems below the bar: (OBJ02226) Parallel Access Volumes (OBJ02364) IBM TotalStorage Volumes (OBJ02365) Metro/Global Mirr and Copy Vols (OBJ10765) Flash Copy Volumes (RAIDLVOL) Combined Volumes * Reorganizes the folder structure and their object entries under EMC SymmAPI Information in the CA Vantage object tree to provide better orientation and more logical grouping based on EMC API type and HW version. Those enhancements are for current users natively delivered as activated except required manual step for activation of data collection for new object (OBJ02179) EMC HyperMax/PowerMax. For instruction on how to activate data collection for the new object refer to HOLD data type ACTION.).</pre>

Service	Details
SO12695	<p>SO12695 M.C.S. ENTRIES = ++PTF (SO12695)</p> <p>SUPPORT OF SUBSTITUTION VARIABLES IN CA VANTAGE ALERTS</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This sysmod delivers the support for substitution variables in CA Vantage alerts. Global and object-specific variables can be used in the alert description and get substituted with their current value once the alert is created.</p> <p>SYMPTOMS:</p> <p>None.</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Vantage SRM Release 14.0</p> <p>CA Vantage GMI Release 14.0</p> <p>Related Problem:</p> <p>VANT 9974</p> <p>Copyright (C) 2020 CA. All rights reserved. R00345-CTU140-SP1</p> <p>DESC(SUPPORT OF SUBSTITUTION VARIABLES IN CA VANTAGE ALERTS).</p> <p>++VER (Z038)</p> <p>FMID (CCTUE00)</p> <p>PRE (R084906 R087496 R088960 R090570 R093221 S001478 S003923 S006433 S008389)</p> <p>SUP (ST12371 ST12433 ST12485 ST12486 ST12620 ST12695)</p> <p>++HOLD (SO12695) SYSTEM FMID(CCTUE00)</p> <p>REASON (ENH) DATE (20114)</p> <p>COMMENT (</p> <pre> +-----+ CA Vantage SRM and CA Vantage GMI Version 14.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Describe product functionality enhancement. +-----+ USERS All users of CA Vantage Alerts functionality. AFFECTED +-----+ KNOWLEDGE CA Vantage alerts management. REQUIRED +-----+ ACCESS CA Vantage libraries. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** This sysmod delivers the support for substitution variables in CA Vantage alerts. Global and object-specific variables can be used in the alert description and get substituted with their current value once the alert is created. If you are using CA Vantage alerts (if you have COMP=ALERT </pre>

Service	Details
	<p>uncommented in CONFIG member) then this feature is natively delivered as activated and no additional manual steps are required. For instructions on how to work with CA Vantage alerts and how to use substitution variables in alerts, see CA Vantage documentation.).</p>

Service	Details
SO12928	<p>SO12928 M.C.S. ENTRIES = ++PTF (SO12928)</p> <p>NEW HYPERMAX/POWERMAX OBJECTS AND RAID OBJ. ENHANCEMENTS</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This sysmod delivers the following enhancements:</p> <p>1) Adds the following new objects under RAID Devices - Dell/EMC Arrays - EMC SymAPI Information - HYPERMAX, POWERMAX in the CA Vantage object tree. These new objects support microcode level 5977 and higher:</p> <p>I. (OBJ02183) EMC HyperMax/PowerMax Thin Allocations</p> <p>II. (OBJ02184) EMC HyperMax/PowerMax Data Devices</p> <p>III. (OBJ02185) EMC HyperMax/PowerMax Thin Status</p> <p>IV. (OBJ02186) EMC HyperMax/PowerMax Storage Resource</p> <p>2) Updates the following objects under RAID Devices - Dell/EMC Arrays - EMC SymAPI Information as follows:</p> <p>I. Adds a new column "Director Type" to (OBJ02167) EMC Symmetrix Disk Directors object.</p> <p>II. Adds a new column "SRP Name" to (OBJ02174) EMC Symmetrix Thin Devices object.</p> <p>This sysmod also provides minor fixes for the following objects:</p> <p>* (OBJ02168) EMC Symmetrix Channel Directors</p> <p>* (OBJ02177) EMC Symmetrix Remote Groups</p> <p>* (OBJ02176) EMC Symmetrix Remote Devices</p> <p>SYMPTOMS:</p> <p>None.</p> <p>IMPACT:</p> <p>None.</p> <p>CIRCUMVENTION:</p> <p>None.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA Vantage SRM Release 14.0</p> <p>CA Vantage GMI Release 14.0</p> <p>Related Problem:</p> <p>VANT 9953</p> <p>Copyright (C) 2020 CA. All rights reserved. R00352-CTU140-SP1</p> <p>DESC(NEW HYPERMAX/POWERMAX OBJECTS AND RAID OBJ. ENHANCEMENTS).</p> <p>++VER (Z038)</p> <p>FMID (CCTUE00)</p> <p>PRE (R084906 R087496 R088960 R090570 R097383 R097682</p> <p>R098189 R099883 S000577 S003862 S003923 S005955</p> <p>S011198 S012440 S012692)</p> <p>SUP (R097572 R098578 ST12766 ST12928 TR97572 TR98578)</p> <p>++HOLD (SO12928) SYSTEM FMID(CCTUE00)</p> <p>REASON (ACTION) DATE (20115)</p> <p>COMMENT (</p> <p>-----+</p> <p> CA Vantage SRM and CA Vantage GMI Version 14.0 </p> <p>-----+</p> <p> SEQUENCE After Apply </p> <p> Before using the following CA Vantage objects: </p> <p> (OBJ02183) EMC HyperMax/PowerMax Thin Allocations </p> <p> (OBJ02184) EMC HyperMax/PowerMax Data Devices </p> <p> (OBJ02185) EMC HyperMax/PowerMax Thin Status </p> <p> (OBJ02186) EMC HyperMax/PowerMax Storage Resource Pools </p>

Service	Details
	<pre> +-----+-----+ PURPOSE To use updated version of CA Vantage system scripts. +-----+-----+ USERS All users of the following objects: AFFECTED (OBJ02183) EMC HyperMax/PowerMax Thin Allocations (OBJ02184) EMC HyperMax/PowerMax Data Devices (OBJ02185) EMC HyperMax/PowerMax Thin Status (OBJ02186) EMC HyperMax/PowerMax Storage Resource Pools +-----+-----+ KNOWLEDGE CA Vantage SRM customization. REQUIRED +-----+-----+ ACCESS CA Vantage libraries. REQUIRED +-----+-----+ ***** * STEPS TO PERFORM * ***** SET_DI_TOKEN=OBJECT NAME=OBJ02183 statement has been added to sample of CA Vantage system script located in yourHLQ.CCTUSAMP(VNG02169). SET_DI_TOKEN=OBJECT NAME=OBJ02184 statement has been added to sample of CA Vantage system script located in yourHLQ.CCTUSAMP(VNG02173). SET_DI_TOKEN=OBJECT NAME=OBJ02185 statement has been added to sample of CA Vantage system script located in yourHLQ.CCTUSAMP(VNG02175). New system script sample VNG02186 and new job example VNGEMC86 were added to yourHLQ.CCTUSAMP. 1. Locate the following CA Vantage system script samples in yourHLQ.CCTUSAMP CA Vantage library: VNG02169 VNG02173 VNG02175 VNG02186 2. Copy these s system scripts to yourHLQ.SYSTSCR CA Vantage system script library. 3. Locate the sample job VNGEMC86 in yourHLQ.CCTUSAMP library. 4. Copy the job to yourHLQ.JCLLIB CA Vantage library and review the job instructions. 5. Execute the following commands to reload the scripts in the memory or use the UI function "refresh" on related scripts: /F SAMS,AUTO,REFRESH=SYSTEM,VNG02169 /F SAMS,AUTO,REFRESH=SYSTEM,VNG02173 /F SAMS,AUTO,REFRESH=SYSTEM,VNG02175 /F SAMS,AUTO,REFRESH=SYSTEM,VNG02186 Before firing the scripts and collecting data for related objects.). ++HOLD (SO12928) SYSTEM FMID(CCTUE00) REASON (ENH) DATE (20115) COMMENT (+-----+-----+ CA Vantage SRM and CA Vantage GMI Version 14.0 +-----+-----+ SEQUENCE After Apply +-----+-----+ SEQUENCE Before using objects located under RAID Devices - </pre>

Service	Details
	<pre> Dell/EMC Arrays - EMC SymAPI Information in CA Vantage object tree. +-----+-----+ PURPOSE Describe the enhancements of CA Vantage support for DELL/EMC PowerMax and HyperMax RAID family. +-----+-----+ USERS All users of EMC SymAPI Information objects. AFFECTED +-----+-----+ KNOWLEDGE CA Vantage customization. REQUIRED +-----+-----+ ACCESS REQUIRED CA Vantage libraries. +-----+-----+ ***** * STEPS TO PERFORM * ***** This sysmod delivers the following enhancements: * Adds the following new objects under RAID Devices - Dell/EMC Arrays - EMC SymAPI Information - HYPERMAX, POWERMAX in the CA Vantage object tree. Those new object supports microcode level 5977 and higher: (OBJ02183) EMC HyperMax/PowerMax Thin Allocations, shows information from the 'Thin Allocations' report. (OBJ02184) EMC HyperMax/PowerMax Data Devices, shows information from the 'Data Devices' report. (OBJ02185) EMC HyperMax/PowerMax Thin Status, shows information from the 'Thin Devices' report. (OBJ02186) EMC HyperMax/PowerMax Storage Resource, shows information from the 'Storage Resource Pools' report * Updates the following objects under RAID Devices - Dell/EMC Arrays - EMC SymAPI Information as follows: Adds a new column "Director Type" into (OBJ02167) EMC Symmetrix Disk Directors object to show disk director types. Adds a new column "SRP Name" into (OBJ02174) EMC Symmetrix Thin Devices to show Storage Resource Pool Types. 1. For instruction on how to activate this new feature refer to HOLD DATA type ACTION and EXIT.). ++HOLD (SO12928) SYSTEM FMID(CCTUE00) REASON (EXIT) DATE (20115) COMMENT (+-----+-----+ CA Vantage SRM and CA Vantage GMI Version 14.0 +-----+-----+ SEQUENCE Before using objects: (OBJ02167) EMC Symmetrix Disk Directors (OBJ02174) EMC Symmetrix Thin Devices +-----+-----+ PURPOSE New map of Objects. +-----+-----+ USERS All users of the following objects: AFFECTED (OBJ02167) EMC Symmetrix Disk Directors </pre>

Service	Details
	<pre> (OBJ02174) EMC Symmetrix Thin Devices or users using log or capture records of related objects. +-----+ KNOWLEDGE CA Vantage Customization. REQUIRED +-----+ ACCESS CA Vantage libraries. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** Mappings have changed for the following objects: * Obj=(OBJ02167) EMC Symmetrix Disk Directors Field "Director Type" is added. * Obj=(OBJ02174) EMC Symmetrix Thin Devices Field "SRP Name" is added. 1. Reload the related Windows Client object definition on any system where this maintenance is installed. 2. If you have Windows Client User View or Web Client Dashboard created on any of the objects above, go to View and Output Object definition or Dashboard setting and ensure that the columns of your interest are selected to be displayed. 3. If any of the objects above are specified in Summary, Joined, Delta, User view, Console or Dashboard object definition filters, review the fields in the filter to ensure that the correct field or value is tested. 4. If any of the fields above are specified in SYSTEM, LOG, GOA, AUDIT, MESSAGE script filter criteria, review the script filter criteria and ensure that correct field or value is being tested. 5. Review and update your programs or templates that use the objects above. Update your programs and templates that work with log or capture records of the objects above. For more information, see the MAPPINGS member distributed in the CCTUSAMP library.).</pre>

CA Vantage Storage Resource Manager 14.0
CA RS 2005 Product/Component Listing

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Product Family	Product	Release
Storage	CA VANTAGE SRM AND CA VANTAGE GMI	14.00.00
The CA RS 2005 Product/Component Count for this release is 1		

CA RS Level	Service	FMID
CAR2005	S012928	CCTUE00
	S012695	CCTUE00
	S012692	CCTUE00
	S012611	CCTUE00
	S012492	CCTUE00
	S011427	CCTUE00
CAR2004	S012440	CCTUE00
	S012092	CCTUE00
	S010873	CCTUE00
CAR2003	S011198	CCTUE00
CAR2002	S011730	CCTUE00
	S011670	CCTUE00
	S011503	CCTUE00
	S011327	CCTUE00
CAR1912	S010798	CCTUE00
	S010747	CCTUE00
	S009957	CCTUE00
	S009691	CCTUE00
CAR1911	S010499	CCTUE00
	S009744	CCTUE00
	S008705	CCTUE00
CAR1909	S009778	CCTUE00
	S009435	CCTUE00
	S009332	CCTUE00
	S009243	CCTUE00
	S009153	CCTUE00
	S008209	CCTUE00
CAR1908	S009295	CCTUE00
	S009283	CCTUE00
	S008949	CCTUE00
CAR1907	S008708	CCTUE00
	S008404	CCTUE00
CAR1906	S008472	CCTUE00
	S008389	CCTUE00
	S008213	CCTUE00
	S007908	CCTUE00
	S007903	CCTUE00
	S007752	CCTUE00
	S007633	CCTUE00
	S005631	CCTUE00
CAR1902	S006858	CCTUE00
	S006203	CCTUE00
CAR1901	S006758	CCTUE00
	S006433	CCTUE00
	S006079	CCTUE00
	S005955	CCTUE00
CAR1812	S006439	CCTUE00

CA RS Level	Service	FMID
	S006202	CCTUE00
	S006155	CCTUE00
	S005989	CCTUE00
CAR1811	S005406	CCTUE00
	S005313	CCTUE00
	S005185	CCTUE00
CAR1810	S005499	CCTUE00
	S005217	CCTUE00
	S004438	CCTUE00
CAR1809	S005060	CCTUE00
	S005029	CCTUE00
	S004770	CCTUE00
	S004633	CCTUE00
	S004310	CCTUE00
	S003862	CCTUE00
CAR1808	S004602	CCTUE00
	S004439	CCTUE00
	S004236	CCTUE00
	S004049	CCTUE00
	S003859	CCTUE00
CAR1807	S004124	CCTUE00
	S004038	CCTUE00
	S003923	CCTUE00
	S003710	CCTUE00
	S001683	CCTUE00
CAR1806	S003623	CCTUE00
	S001800	CCTUE00
	S001765	CCTUE00
	S001508	CCTUE00
	S001383	CCTUE00
	R099883	CCTUE00
	R099174	CCTUE00
CAR1805	S001503	CCTUE00
	S001478	CCTUE00
	S000950	CCTUE00
	S000868	CCTUE00
	S000655	CCTUE00
CAR1804	S000577	CCTUE00
	S000573	CCTUE00
	S000464	CCTUE00
	S000071	CCTUE00
	R099222	CCTUE00
	R099128	CCTUE00
	R097061	CCTUE00
CAR1802	R099708	CCTUE00
	R099407	CCTUE00
CAR1712	R098578	CCTUE00

CA RS Level	Service	FMID
CAR1711	R098387	CCTUE00
	R098309	CCTUE00
	R098197	CCTUE00
	R098113	CCTUE00
	R098037	CCTUE00
	R097610	CCTUE00
CAR1710	R098189	CCTUE00
	R097682	CCTUE00
	R097637	CCTUE00
CAR1709	R097572	CCTUE00
	R097384	CCTUE00
	R097383	CCTUE00
	R097229	CCTUE00
	R097212	CCTUE00
	R096735	CCTUE00
	R095510	CCTUE00
	R094392	CCTUE00
CAR1708	R097063	CCTUE00
	R096929	CCTUE00
	R095823	CCTUE00
	R095258	CCTUE00
	R093614	CCTUE00
CAR1706	R096064	CCTUE00
	R095843	CCTUE00
	R095842	CCTUE00
	R095373	CCTUE00
CAR1705	R095664	CCTUE00
	R095390	CCTUE00
	R095228	CCTUE00
	R094643	CCTUE00
	R093383	CCTUE00
CAR1703	R093652	CCTUE00
CAR1702	R093418	CCTUE00
	R093417	CCTUE00
	R093349	CCTUE00
	R093344	CCTUE00
	R093221	CCTUE00