

CA Chorus 3.0
CA RS 1506 Service List

Release	Service	Description	Type
3.0	R079375	CIA/CMGR DATACOM VIEWS REQUIRE QUERYNO	PTF
	R080099	SECURITY CUSTOMER ISSUE	PTF
	R080583	SECURITY VULNERABILITY FIXES	PTF
	R080974	CHORTH D DOES NOT HAVE CAWEBSVR ACCESS	PTF
	R081062	EXCESSIVE CPU USAGE DUE TO CHORUS PERSONAL POLICIES	PTF
	R081122	REFIT OF STANDALONE FIXES	PTF
	R081130	DEACTIVATE AN ACTIVE DISCIPLINE	PTF
	R081141	UI ONLY LISTS 1000 STC RECDS	PTF
	R081489	CA CHORUS BOOKSHELF UPDATE	PTF
The CA RS 1506 service count for this release is 9			

CA Chorus 3.0
CA RS 1506 Service List for Chorus Platform

Type	Release	Service	Description	FMID	Type
Chorus Platform	3.0	R080099	SECURITY CUSTOMER ISSUE	CETJ300	PTF
		R080583	SECURITY VULNERABILITY FIXES	CETJ300	PTF
		R080974	CHORTH D DOES NOT HAVE CAWEBSVR ACCESS	CETJ300	PTF
		R081130	DEACTIVATE AN ACTIVE DISCIPLINE	CETJ300	PTF
		R081489	CA CHORUS BOOKSHELF UPDATE	CETJ300	PTF
The CA RS 1506 service count for this type is 5					

CA Chorus 3.0
CA RS 1506 Service List for Security Discip

Type	Release	Service	Description	FMID	Type
Security Discip	3.0	R079375	CIA/CMGR DATACOM VIEWS REQUIRE QUERYNO	CE1M300	PTF
		R081062	EXCESSIVE CPU USAGE DUE TO CHORUS PERSONAL POLICIES	CE1M300	PTF
		R081122	REFIT OF STANDALONE FIXES	CE1M300	PTF
		R081141	UI ONLY LISTS 1000 STC RECDS	CE1M300	PTF

The CA RS 1506 service count for this type is 4

CA Chorus 3.0
CA RS 1506 - PTF RO79375 Details

Release	Service	Details
3.0	RO79375	<p>RO79375 M.C.S. ENTRIES = ++PTF (RO79375)</p> <p>CIA/CMGR DATACOM VIEWS REQUIRE QUERYNO</p> <p>PROBLEM DESCRIPTION: CIA and Compliance Manager Datacom Views require queryno to work</p> <p>SYMPTOMS: Adding views to a Datacom CIA db - EIMI0016 gets RC=999 - Input files do not include required queryno value Adding views to a Datacom CMGR db - EIMI0017 gets RC=999 - Input files do not include required queryno value</p> <p>IMPACT: Cannot use CIA or Compliance Manager database with Chorus.- Cannot start Chorjbos because security is the only discipline installed.</p> <p>CIRCUMVENTION: N/A</p> <p>PRODUCT(S) AFFECTED: CA MAINFRAME CHORUS FOR SEC/COMP MGMT Release 3.0 CA MAINFRAME CHORUS FOR SEC/COMP MGMT Release 4.0</p> <p>Related Problem: CHRSEC 149</p> <p>Copyright (C) 2015 CA. All rights reserved. R00077-SCR030-SP1</p> <p>DESC(CIA/CMGR DATACOM VIEWS REQUIRE QUERYNO). ++VER (Z038) FMID (CE1M300) PRE (R056486 RO62149 RO71671) SUP (TR79375) ++HOLD (RO79375) SYSTEM FMID(CE1M300) REASON (DYNACT) DATE (15105) COMMENT (</p> <pre> +-----+ CA MAINFRAME CHORUS FOR SEC/COMP MGMT Release 3.0 +-----+ SEQUENCE The fix should be applied before performing Chorus Security discipline deployment and configuration. This will update the CIA views for DB2 or DATACOM database *** Note *** A. If have not already defined the Cia views apply the fix and run the job at the appropriate time in the installation process. B. If you have already defined the views you will need rerun the jobs. +-----+ PURPOSE Fixes the JCL or the SQL needed to define views in the CIA and Compliance Manager Database. +-----+ USERS All Users. AFFECTED +-----+ KNOWLEDGE SMP/E. REQUIRED Product Installation. Product Deployment. USS Commands. +-----+ ACCESS Access will be required to the CE1MJCL dataset. REQUIRED Access will be required to <CHORUS_HOME>/roles/security. Access will be required to <CHORUS_HOME>/config. +-----+ </pre>

CA Chorus 3.0
CA RS 1506 - PTF RO79375 Details

Release	Service	Details
		<pre>***** * STEPS TO PERFORM * ***** 1. Apply this fix 2A. If you have not already run the CIA view job just run it at the appropriate time in the install process. 2B. If you have already run the CIA view job. If you did the auto customized version to install rerun the the customization job rerun the \$1MI0016 if you are using a Datacom CIA database and/or the \$1MI0017 job if you are using a Compliance Manager Datacom database. If you did a Manual install rerun the E1MI0016 if you are using a CIA Datacom database and/or the E1MI0017 job if you are using a Compliance Manager Datacom database. If JBOSS is running you must stop and restart JBOSS.).</pre>

CA Chorus 3.0
CA RS 1506 - PTF RO80099 Details

Release	Service	Details
3.0	RO80099	<pre> RO80099 M.C.S. ENTRIES = ++PTF (RO80099) SECURITY CUSTOMER ISSUE PROBLEM DESCRIPTION: In Security Administrator, when a search is issued that displays more than 512 results on a single page, the user will receive a HTTP 500 error. SYMPTOMS: A HTTP 500 error is returned instead of a search result page IMPACT: Users will not be able to obtain more than 512 results on a single search page CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Chorus Release 3.0 CA Chorus Version 4.0 Related Problem: CHRPLT 933 Copyright (C) 2015 CA. All rights reserved. R00357-ETJ030-SP1 DESC(SEcurity CUSTOMER ISSUE). ++VER (Z038) FMID (CETJ300) PRE (RO55792 RO56007 RO56096 RO56215 RO56254 RO56305 RO56355 RO56586 RO56645 RO56758 RO56817 RO56895 RO56941 RO56949 RO57040 RO57107 RO57168 RO57247 RO57354 RO58019 RO58088 RO58199 RO58244 RO58384 RO58548 RO58626 RO58753 RO58854 RO58968 RO59150 RO59208 RO59285 RO59296 RO59741 RO60334 RO72120 RO72363 RO73728) SUP (TR80099) ++HOLD (RO80099) SYSTEM FMID(CETJ300) REASON (RESTART) DATE (15126) COMMENT (+-----+ CA Chorus Version 3.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Include update in configured .xml files +-----+ USERS All Chorus users AFFECTED +-----+ KNOWLEDGE Product Deployment, Product Configuration, and JBOSS REQUIRED JBOSS started task. +-----+ ACCESS Read and Execute Access to the CETJJCL(ETJI0150) member REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** 1. Stop JBOSS. 2. Deploy update to your runtime environment. 3. Run ETJI0150 on your runtime environment. 4. Start JBOSS.). BINARY LINK('../standalone-chorus.xml.sample') PARM(PATHMODE(0,7,7,5)) SYMLINK('../standalone-chorus.xml') SYMPATH('.././././config/standalone-chorus.xml') . </pre>

CA Chorus 3.0
CA RS 1506 - PTF RO80583 Details

Release	Service	Details
3.0	RO80583	<pre> RO80583 M.C.S. ENTRIES = ++PTF (RO80583) SECURITY VULNERABILITY FIXES PROBLEM DESCRIPTION: CA Chorus uses a third party product, Batik v 1.7. This release is outdated and contains a known security vulnerability. CA Chorus uses a third party product, Spring Framework 2.5.6. This release is outdated and contains a known security vulnerability. SYMPTOMS: None. IMPACT: These are potentially vulnerable components that may impact your environment. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Chorus Version 3.0 Related Problem: CHRPLT 937 Copyright (C) 2015 CA. All rights reserved. R00361-ETJ030-SP1 DESC(SEcurity VULNERABILITY FIXES). ++VER (Z038) FMID (CETJ300) PRE (RO55792 RO56007 RO56096 RO56215 RO56254 RO56305 RO56355 RO56586 RO56645 RO56758 RO56817 RO56895 RO56941 RO56949 RO57040 RO57107 RO57168 RO57247 RO57354 RO58019 RO58088 RO58199 RO58244 RO58384 RO58548 RO58626 RO58753 RO58854 RO58968 RO59150 RO59208 RO59285 RO59296 RO59741 RO75625) SUP (TR80583) ++HOLD (RO80583) SYSTEM FMID(CETJ300) REASON (RESTART) DATE (15131) COMMENT (+-----+ CA Chorus Release 3.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Include update in configured .xml files +-----+ USERS All Chorus users AFFECTED +-----+ KNOWLEDGE Product Deployment, Product Configuration, REQUIRED and JBOSS started task. +-----+ ACCESS 1. Read and Execute Access to the CETJJCL(ETJI0150) member REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** 1. Stop JBOSS. 2. Deploy update to your runtime environment. 3. Run ETJI0150 on your runtime environment. 4. Start JBOSS.). BINARY LINK('../spring-context-support-4.0.5.RELEASE.jar') PARM(PATHMODE(0,7,7,5)) . BINARY LINK('../spring-core-4.0.5.RELEASE.jar') PARM(PATHMODE(0,7,7,5)) . BINARY </pre>

CA Chorus 3.0
CA RS 1506 - PTF RO80583 Details

Release	Service	Details
		<pre> LINK(' ../spring-beans-4.0.5.RELEASE.jar') PARM(PATHMODE(0,7,7,5)) . BINARY LINK(' ../thirdparty-module.xml.sample') PARM(PATHMODE(0,7,7,5)) SYMLINK(' ../module.xml') SYMPATH(' ../../../../config/thirdparty-module.xml') . BINARY LINK(' ../spring-aop-4.0.5.RELEASE.jar') PARM(PATHMODE(0,7,7,5)) . BINARY LINK(' ../batik-all-1.8pre-r1084380.jar') PARM(PATHMODE(0,7,7,5)) . BINARY LINK(' ../module.xml') PARM(PATHMODE(0,7,7,5)) . BINARY LINK(' ../spring-tx-4.0.5.RELEASE.jar') PARM(PATHMODE(0,7,7,5)) . BINARY LINK(' ../spring-web-4.0.5.RELEASE.jar') PARM(PATHMODE(0,7,7,5)) . BINARY LINK(' ../spring-expression-4.0.5.RELEASE.jar') PARM(PATHMODE(0,7,7,5)) . BINARY LINK(' ../spring-context-4.0.5.RELEASE.jar') PARM(PATHMODE(0,7,7,5)) . BINARY LINK(' ../spring-jms-4.0.5.RELEASE.jar') PARM(PATHMODE(0,7,7,5)) . </pre>

CA Chorus 3.0
CA RS 1506 - PTF RO80974 Details

Release	Service	Details
3.0	RO80974	<p>RO80974 M.C.S. ENTRIES = ++PTF (RO80974)</p> <p>CHORTH D DOES NOT HAVE CAWEBSVR ACCESS</p> <p>PROBLEM DESCRIPTION: The ACID used to access discipline meta data, usually CHORTH D, does not have authority to use the CAWEBSVR facility.</p> <p>Attempts to access data sources are denied.</p> <p>SYMPTOMS:</p> <p>Messages in CHORJBOS Sysout file:</p> <p>Msg from DSI:</p> <p>TSS7100E J=CHORJBOS A=CHORTH D T=N/A F=CAWEBSVR User not authorized</p> <p>TSS7160E Facility is not authorized for your use.</p> <p>IMPACT:</p> <p>You are not able to see data from back end sources.</p> <p>CIRCUMVENTION:</p> <p>Manually run the Top Secret command:</p> <p>TSS ADDTO(CHORTH D) FACILITY(CAWEBSVR)</p> <p>CA Chorus Version 3.0</p> <p>CA Chorus Version 4.0</p> <p>Related Problem:</p> <p>CHRPLT 948</p> <p>Copyright (C) 2015 CA. All rights reserved. R00364-ETJ030-SP1</p> <p>DESC(CHORTH D DOES NOT HAVE CAWEBSVR ACCESS).</p> <p>++VER (Z038)</p> <p>FMID (CETJ300)</p> <p>PRE (R055955 R056760 R056943 R057979 R061425 R063060</p> <p>RO67838)</p> <p>SUP (R069952 TR69952 TR80974)</p>

CA Chorus 3.0
CA RS 1506 - PTF RO81062 Details

Release	Service	Details
3.0	RO81062	<p>RO81062 M.C.S. ENTRIES = ++PTF (RO81062)</p> <p>EXCESSIVE CPU USAGE DUE TO CHORUS PERSONAL POLICIES ENHANCEMENT DESCRIPTION: Retrieval access for Chorus to large Compliance Manager Warehouse Datacom tables, particularly Object Access, is too slow for the requirements of the Chorus application. Very large improvements can be made to resource usage and response time by adding an index on on frequently used columns of this table. Important! This fix is for only the OBJECT ACCESS entity. PRODUCT(S) AFFECTED: CA MAINFRAME CHORUS FOR SEC/COMP MGMT Release 3.0 CA MAINFRAME CHORUS FOR SEC/COMP MGMT Version 4.0 Related Problem: CHRSEC 156 Copyright (C) 2015 CA. All rights reserved. R00084-SCR030-SP1</p> <p>DESC(EXCESSIVE CPU USAGE DUE TO CHORUS PERSONAL POLICIES). ++VER (Z038) FMID (CE1M300) PRE (RO79375) SUP (TR81062) ++HOLD (RO81062) SYSTEM FMID(CE1M300) REASON (DYNACT) DATE (15147) COMMENT (</p> <pre> +-----+ CA MAINFRAME CHORUS FOR SEC/COMP MGMT Release 3.0 +-----+ SEQUENCE After Apply +-----+ PURPOSE Implement the PTF +-----+ USERS Users with large Object Access Compliance Manager Datacom AFFECTED tables. +-----+ KNOWLEDGE REQUIRED Product Installation. Product Deployment. JCL Syntax +-----+ ACCESS Update Access will be required to the CE1MJCL dataset. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** 1. Datacom maintenance must be current 2014/12 or later.Required for SQL DDL statements. 2. Deploy PTF to JCLLIB for each MUF. 3. PTF RO79375 is a prereq for this PTF. The members updated by RO79375 must be deployed to the library named by the CE1MJCL in the configured #G3LOAD JCL. 4. Customize the JCL according to instructions in each of the jobs, "#G3RBKUP and #G3RLOAD" a. Each MUF requires a separate instance of both members b. Depending on how resources are shared between LPARs, each MUF may have a different CUSLIB. Each backup file requires a unique name. 5. Shutdown CHORJBOS. </pre>

CA Chorus 3.0
CA RS 1506 - PTF R081062 Details

Release	Service	Details
		<p>6. Shutdown CMGR realtime and any other warehouse feeds 7. Shutdown CMGRSRV for all MUFs being updated concurrently - if not needed for DataMart 8. Submit jobs #G3RBKUP for all MUFs being updated concurrently 9. Check job completion - should be 0. Fix any errors causing a non-zero return code before proceeding. 10. Submit jobs #G3RLOAD for all MUF's being updated concurrently 11. Check job completion - should be 0. Fix any errors causing a non-zero return code before proceeding. 12. Start all stopped CMGRSRV tasks. 13. Start CMGR realtime and any other warehouse feeds 14. Start CHORJBOS).</p>

CA Chorus 3.0
CA RS 1506 - PTF RO81122 Details

Release	Service	Details
3.0	RO81122	<p>RO81122 M.C.S. ENTRIES = ++PTF (RO81122)</p> <p>REFIT OF STANDALONE FIXES</p> <p>PROBLEM DESCRIPTION:</p> <p>Refit of Standalone CMGR fixes 355 and 356</p> <ol style="list-style-type: none"> 1. The space in a ALERT command can be removed causing extra alerts to be generated. 2. 355 Email Alert HTML Content Type Problem when modifying. <p>SYMPTOMS:</p> <ol style="list-style-type: none"> 1. Save you have saved a command in an ALERT if you modify the Policy statement without adding the space back in it will be gone after it is saved again. 2. When an email alert action is created with HTML selected in the Content Type the HTML is saved correctly but when you go to view it or modify the Action the Content Type display incorrectly and if you save it without changing it back HTML is gone. <p>IMPACT:</p> <ol style="list-style-type: none"> 1. Extra unwanted Alerts are being generated. 2. Can cause email problems if not changed back to HTML <p>CIRCUMVENTION:</p> <ol style="list-style-type: none"> 1. Always resave the command with the space. 2. Making sure Content Type is correct before saving the action. <p>PRODUCT(S) AFFECTED:</p> <p>CA MAINFRAME CHORUS FOR SEC/COMP MGMT Release 3.0 CA MAINFRAME CHORUS FOR SEC/COMP MGMT Version 4.0</p> <p>Related Problem: CHRSEC 157</p> <p>Copyright (C) 2015 CA. All rights reserved. R00086-SCR030-SP1</p> <p>DESC(REFIT OF STANDALONE FIXES). ++VER (Z038) FMID (CE1M300) PRE (RO57422 RO59752) SUP (RO57756 RO58259 RO58687 RO60087 RO61070 RO62277 RO66611 RO77649 RO79419 TR57756 TR58259 TR58687 TR60087 TR60728 TR61070 TR62277 TR66195 TR66611 TR77649 TR79419 TR81087 TR81122) ++HOLD (RO81122) SYSTEM FMID(CE1M300) REASON (DYNACT) DATE (15134) COMMENT (</p> <pre> +-----+ CA MAINFRAME CHORUS FOR SEC/COMP MGMT Release 3.0 +-----+ SEQUENCE After SMP/E apply. Before JBOSS restart. +-----+ PURPOSE Implement the PTF +-----+ USERS All Users. AFFECTED +-----+ KNOWLEDGE SMP/E. REQUIRED Product Installation. z/OS Systems Programming CSM +-----+ ACCESS Access to ZFS directory where Chorus is installed. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** 1. Restart Jboss to pick up the new Jars.). LINK('../PolicyAdmin.war') </pre>

CA Chorus 3.0
CA RS 1506 - PTF R081122 Details

Release	Service	Details
		PARM(PATHMODE(0,7,7,5)) SHSCRIPT(POLPDSR,POST) .

CA Chorus 3.0
CA RS 1506 - PTF RO81130 Details

Release	Service	Details
3.0	RO81130	<p>RO81130 M.C.S. ENTRIES = ++PTF (RO81130)</p> <p>DEACTIVATE AN ACTIVE DISCIPLINE</p> <p>PROBLEM DESCRIPTION: You are unable to deactivate a CA Chorus discipline once you have installed or configured it.</p> <p>SYMPTOMS: None.</p> <p>IMPACT: None.</p> <p>CIRCUMVENTION: None.</p> <p>PRODUCT(S) AFFECTED: CA Chorus Release 03.0</p> <p>Related Problem: CHRPLT 949</p> <p>Copyright (C) 2015 CA. All rights reserved. R00365-ETJ030-SP1</p> <p>DESC(DEACTIVATE AN ACTIVE DISCIPLINE). ++VER (Z038) FMID (CETJ300) PRE (RO55792 RO56007 RO56096 RO56215 RO56254 RO56305 RO56355 RO56586 RO56645 RO56758 RO56817 RO56895 RO56941 RO56949 RO57040 RO57107 RO57168 RO57247 RO57354 RO58019 RO58088 RO58199 RO58244 RO58384 RO58548 RO58626 RO58753 RO58854 RO58968 RO59150 RO59208 RO59285 RO59296 RO59741 RO75625 RO80583) SUP (TR81130) TEXT PARM(PATHMODE(0,7,7,5)) SYMLINK('../utilities/deactivate_disp.sh') SYMPATH('../bin/DEACTVTE') .</p>

CA Chorus 3.0
CA RS 1506 - PTF RO81141 Details

Release	Service	Details
3.0	RO81141	<p>RO81141 M.C.S. ENTRIES = ++PTF (RO81141)</p> <p>UI ONLY LISTS 1000 STC RECDS</p> <p>PROBLEM DESCRIPTION: By default, Chorus Security Administrator will only list up to 1000 results from a search of ESM records. The configuration parameter <searchRows> that controls the number of search results currently does not change the number of results returned. This fix enables that configuration parameter to change the number of search results returned.</p> <p>SYMPTOMS: Searches will only reeturn up to 1000 results regardless of what is in the <searchRows> parameter.</p> <p>IMPACT: Users will not be able to see more than 1000 search results even if there are more than 1000.</p> <p>CIRCUMVENTION: There is no circumvention available.</p> <p>PRODUCT(S) AFFECTED: CA MAINFRAME CHORUS FOR SEC/COMP MGMT Release 3.0 CA MAINFRAME CHORUS FOR SEC/COMP MGMT Version 4.0</p> <p>Related Problem: CHRSEC 155</p> <p>Copyright (C) 2015 CA. All rights reserved. R00087-SCR030-SP1</p> <p>DESC(UI ONLY LISTS 1000 STC RECDS). ++VER (Z038) FMID (CE1M300) PRE (RO57422 RO59752) SUP (RO63863 RO78623 RO79493 TR63863 TR78623 TR79493 TR80622 TR81141) ++IF FMID(CETJ300) REQ(RO80099) . ++HOLD (RO81141) SYSTEM FMID(CE1M300) REASON (DYNACT) DATE (15139) COMMENT (</p> <pre> +-----+ CA MAINFRAME CHORUS FOR SEC/COMP MGMT Release 3.0 +-----+ SEQUENCE After SMP/E apply. Before JBOSS restart. +-----+ PURPOSE Implement the PTF +-----+ USERS All Users. AFFECTED +-----+ KNOWLEDGE SMP/E. REQUIRED Product Installation. z/OS Systems Programming CSM +-----+ ACCESS Access to ZFS directory where Chorus is installed. REQUIRED +-----+ ***** * STEPS TO PERFORM * ***** 1. Make sure platform fix RO80099 is applied. 2. Restart Jboss to pick up the new Jars.). LINK('.. /SecAdmin.war') PARM(PATHMODE(0,7,7,5)) SHSCRIPT(SECPDSCR,POST) . </pre>

CA Chorus 3.0
CA RS 1506 - PTF RO81489 Details

Release	Service	Details
3.0	RO81489	<p>RO81489 M.C.S. ENTRIES = ++PTF (RO81489)</p> <p>CA CHORUS BOOKSHELF UPDATE</p> <p>PROBLEM DESCRIPTION: CA Technologies has updated and expanded the technical documentation.</p> <p>SYMPTOMS: The guides in the old bookshelf are dated February 2015.</p> <p>IMPACT: By using the February 2015 bookshelf, you are not using the latest.</p> <p>CIRCUMVENTION: You can access the updated documentation by going to CA Support http://support.ca.com, product CA Chorus and select the R3.0 Bookshelf.</p> <p>PRODUCT(S) AFFECTED: CA Chorus Release 3.0</p> <p>Related Problem: CHRPLT 946</p> <p>Copyright (C) 2015 CA. All rights reserved. R00367-ETJ030-SP1</p> <p>DESC(CA CHORUS BOOKSHELF UPDATE). ++VER (Z038) FMID (CETJ300) SUP (RO56952 RO58304 RO58523 RO58887 RO59125 RO59254 RO59941 RO61215 RO65521 RO68326 RO71148 RO72453 RO72760 RO76012 RO78395 TR55991 TR56082 TR56132 TR56399 TR56688 TR56952 TR57671 TR57978 TR58304 TR58523 TR58813 TR58887 TR59125 TR59254 TR59941 TR60999 TR61215 TR62153 TR62344 TR62512 TR62869 TR63305 TR63576 TR63622 TR63837 TR63985 TR64283 TR64574 TR64772 TR64864 TR65482 TR65521 TR65792 TR66254 TR66423 TR66883 TR67216 TR67252 TR67474 TR67681 TR67867 TR68073 TR68326 TR68482 TR68728 TR68895 TR69055 TR69255 TR69447 TR69639 TR69867 TR70201 TR70404 TR70582 TR70690 TR71148 TR71766 TR72266 TR72453 TR72760 TR74141 TR75501 TR75733 TR76012 TR77403 TR77514 TR78395 TR80787 TR81489) BINARY LINK('../ChorusBookshelf.war') PARM(PATHMODE(0,7,7,5)) .</p>