

Gen 8.6
CA RS 2307 Service List

Service	Description	Type
LU10164	CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE	PTF
LU10165	CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE	PTF
LU10166	CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE	PTF
The CA RS 2307 service count for this release is 3		

Gen
CA RS 2307 Service List for CEG6860

2

FMID	Service	Description	Type
CEG6860	LU10164	CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE	PTF
The CA RS 2307 service count for this FMID is 1			

Gen
CA RS 2307 Service List for CEHB860

FMID	Service	Description	Type
CEHB860	LU10165	CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE	PTF
The CA RS 2307 service count for this FMID is 1			

Gen
CA RS 2307 Service List for CEHC860

4

FMID	Service	Description	Type
CEHC860	LU10166	CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE	PTF
The CA RS 2307 service count for this FMID is 1			

Service	Details																												
LU10164	<p>LU10164 M.C.S. ENTRIES = ++PTF (LU10164) REWORK(2023170)</p> <p>CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE</p> <p>ENHANCEMENT DESCRIPTION:</p> <p>This enhancement adds the following support to the Consuming RESTful APIs feature:</p> <p>1) TSOAE application support</p> <p>Gen-generated applications with a TP Monitor of IEFAE and/or applications targeting the TSO Test Facility now have the ability to consume RESTful APIs.</p> <p>2) Batch application support includes DLIBATCH and IMS_BMP</p> <p>Gen-generated Batch applications packaged with a Db2 Attach Type of DLIBATCH or IMS_BMP now have the ability to consume RESTful APIs. Support for Batch applications packaged with a Db2 Attach Type of DB2_DSN or EXEC/NONE was previously provided in LU08865.</p> <p>3) Configuration overrides using a CALLREST properties file</p> <p>In addition to the Configuration parameter overrides that can be specified in your PAD logic, Gen-generated Batch applications now have the ability to also specify Configuration overrides in a CALLREST properties file. This is similar to the functionality provided by the callrest.properties file used by Gen-generated Java applications. Please note that Configuration parameters specified in your PAD logic overrides the values specified in the CALLREST properties file.</p> <p>PRODUCT(S) AFFECTED:</p> <table> <tr> <td>GEN HOST ENCYCLOPEDIA</td><td>Release 8.6</td></tr> <tr> <td>GEN COMMON MODULES</td><td>Release 8.6</td></tr> <tr> <td>GEN COMMON MODULES CICS</td><td>Release 8.6</td></tr> </table> <p>Related Problem:</p> <p>CGMCMN 20312</p> <p>(C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved</p> <p>R00067-GEN086</p> <p>DESC(CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE).</p> <p>++VER (Z038)</p> <p>FMID (CEG6860)</p> <p>PRE (LU04591 LU09690 R098369)</p> <p>SUP (LT10164)</p> <p>++IF FMID(CEHB860) REQ(LU10165).</p> <p>++IF FMID(CEHC860) REQ(LU10166).</p> <p>++HOLD (LU10164) SYSTEM FMID(CEG6860)</p> <p>REASON (ACTION) DATE (23170)</p> <p>COMMENT (</p> <table> <tr> <td colspan="2">+-----+</td> </tr> <tr> <td> Gen Host Encyclopedia</td><td>Release 8.6 </td> </tr> <tr> <td colspan="2">+-----+</td> </tr> <tr> <td> SEQUENCE</td><td> Both before Apply and after Apply </td> </tr> <tr> <td colspan="2">+-----+</td> </tr> <tr> <td> PURPOSE</td><td> Backup any customized skeletons </td> </tr> <tr> <td colspan="2">+-----+</td> </tr> <tr> <td> USERS</td><td> </td> </tr> <tr> <td> AFFECTED</td><td> Gen Host Encyclopedia Administrator </td> </tr> <tr> <td colspan="2">+-----+</td> </tr> <tr> <td> KNOWLEDGE</td><td> </td> </tr> </table>	GEN HOST ENCYCLOPEDIA	Release 8.6	GEN COMMON MODULES	Release 8.6	GEN COMMON MODULES CICS	Release 8.6	+-----+		Gen Host Encyclopedia	Release 8.6	+-----+		SEQUENCE	Both before Apply and after Apply	+-----+		PURPOSE	Backup any customized skeletons	+-----+		USERS		AFFECTED	Gen Host Encyclopedia Administrator	+-----+		KNOWLEDGE	
GEN HOST ENCYCLOPEDIA	Release 8.6																												
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USERS																													
AFFECTED	Gen Host Encyclopedia Administrator																												
+-----+																													
KNOWLEDGE																													

Service	Details
	<pre> REQUIRED Gen Host Encyclopedia Administrator +-----+-----+ ACCESS REQUIRED Gen Host Encyclopedia Administrator authorization +-----+-----+ ***** * STEPS TO PERFORM * * * * BEFORE APPLY * ***** 1. This PTF updates several ISPF skeletons in the CEHBSKL0 dataset. If any customizations have been made to these skeletons, please make a backup copy of the skeletons to avoid losing any customizations. The list of updated skeletons is shown below: TICJBMP TICJDLI TICJDSN TICJEXEC TICJREST (New - delivered with this PTF) +-----+-----+ ***** * STEPS TO PERFORM * * * * AFTER APPLY * ***** 1. If any customizations were made to the list of ISPF skeletons shown above, those customizations will need to be merged into the updated skeletons. 2. Generate JCL for any Batch Jobs that contain a CALL REST statement to see examples of how to use an optional CALLREST Properties file and how to POSIX-enable the Batch application.).</pre>

Service	Details	
LU10165	LU10165 M.C.S. ENTRIES = ++PTF (LU10165) REWORK(2023170)	
	CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE	
	ENHANCEMENT DESCRIPTION:	
	This enhancement adds the following support to the Consuming RESTful APIs feature:	
	1) TSOAE application support	
	Gen-generated applications with a TP Monitor of IEFAE and/or applications targeting the TSO Test Facility now have the ability to consume RESTful APIs.	
	2) Batch application support includes DLIBATCH and IMS_BMP	
	Gen-generated Batch applications packaged with a Db2 Attach Type of DLIBATCH or IMS_BMP now have the ability to consume RESTful APIs. Support for Batch applications packaged with a Db2 Attach Type of DB2_DSN or EXEC/NONE was previously provided in LU08865.	
	3) Configuration overrides using a CALLREST properties file	
	In addition to the Configuration parameter overrides that can be specified in your PAD logic, Gen-generated Batch applications now have the ability to also specify Configuration overrides in a CALLREST properties file. This is similar to the functionality provided by the callrest.properties file used by Gen-generated Java applications. Please note that Configuration parameters specified in your PAD logic overrides the values specified in the CALLREST properties file.	
	PRODUCT(S) AFFECTED:	
	GEN HOST ENCYCLOPEDIA	Release 8.6
	GEN COMMON MODULES	Release 8.6
	GEN COMMON MODULES CICS	Release 8.6
	Related Problem:	
	CGMCMN 20312	
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	R00067-GEN086	
	DESC(CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE).	
	++VER (Z038)	
	FMID (CEHB860)	
	PRE (LU03409 LU04595 LU08865 R093834 R098371)	
	SUP (LT10165)	
	++IF FMID(CEG6860) REQ(LU10164).	
	++IF FMID(CEHC860) REQ(LU10166).	
	++HOLD (LU10165) SYSTEM FMID(CEHB860)	
	REASON (ACTION) DATE (23170)	
	COMMENT (
	+-----+	
	GEN COMMON MODULES	Release 8.6
	+-----+	
	SEQUENCE	Both before Apply and after Apply
	+-----+	
	PURPOSE	Backup any customized skeletons
		Prepare to use Call REST statements in batch jobs or TSOAE
	+-----+	
	USERS	Gen Host Encyclopedia Administrator
	AFFECTED	Gen Implementation Toolset Administrator
	+-----+	

Service	Details
	<pre> KNOWLEDGE Gen Host Encyclopedia Administrator REQUIRED Gen Implementation Toolset Administrator +-----+-----+ ACCESS Gen Host Encyclopedia Administrator authorization REQUIRED Gen Implementation Toolset Administrator authorization +-----+-----+ ***** * STEPS TO PERFORM * * * * BEFORE APPLY * ***** 1. This PTF updates two ISPF skeletons in the CEHBSKL0 dataset. If any customizations have been made to these skeletons, please make a backup copy of the skeletons to avoid losing any customizations. The list of updated skeletons is shown below: TI\$LDLI TICLDLI +-----+-----+ ***** * STEPS TO PERFORM * * * * AFTER APPLY * ***** 1. If any customizations were made to the list of ISPF skeletons shown above, those customizations will need to be merged into the updated skeletons. 2. The following items are required in order to consume RESTful APIs in a Gen-generated batch application: a. OMVS Segment z/OS UNIX System Services (USS) are used by batch applications that contain Call REST statements. Therefore, the userid executing the batch job must have an OMVS segment defined. b. POSIX When support for consuming RESTful APIs from batch applications was originally added in PTF LU08865, it was a requirement to indicate the application was POSIX-enabled. The recommendation was made to add the following JCL cards to each batch job step that uses a Call REST statement: //CEEOPTS DD * POSIX(ON) Starting with this PTF (LU10165), that requirement is now optional. In other words, the Call REST statement will now work from a batch application even if the JCL has not been modified to indicate that the application is POSIX-enabled. You may want to try both approaches (with and without the CEEOPTS cards) to see if one approach works better in your environment. c. TIRABRTP This PTF delivers a new DLL named TIRABRTP. Please make sure this DLL is included in a dataset in the batch job step's STEPLIB concatenation, along with the other necessary Gen runtimes, for any batch application that contains Call REST statements. d. TIRXINFO </pre>

Service	Details
	<p>The TIRXINFO user exit in the CEHBSAMP dataset specifies the EBCDIC codepage used in the z/OS execution environment by CICS and batch applications that contain Call REST statements. The default exit is set to use codepage 37. If a different codepage value is needed, modify the TIRXINFO user exit and rebuild the TIRXINFZ user exit DLL using only the last two steps of the MKCRUN job in the CEHBSAMP dataset. Then make sure this DLL is included in a dataset in the batch job step's STEPLIB concatenation, along with the other necessary Gen runtimes, for any batch application that contains Call REST statements.</p> <p>3. The following item is optional in order to consume RESTful APIs in a Gen-generated batch application:</p> <p>a. CALLREST Properties File</p> <p>Default values for certain Configuration parameters can optionally be overridden using the CALLREST Properties file. Example file content is provided in the TIRRESTF member in the CEHBSAMP dataset. Please note that Configuration parameters specified in your PAD logic will override the values specified in the CALLREST Properties file.</p> <p>).</p> <pre> ++HOLD (LU10165) SYSTEM FMID(CEHB860) REASON (DOC) DATE (23170) COMMENT (+-----+ GEN COMMON MODULES Release 8.6 +-----+ ***** * PUBLICATION * ***** This PTF includes a SYSTEM HOLDDATA, REASON(DOC) to provide information to customers who plan to use the Gen 8.6 Consuming RESTful APIs feature. Execution Environment Requirements Batch applications have the following requirements: z/OS 2.3 or newer release CICS applications have the following requirements: z/OS 2.2 or newer release CICS TS 5.4 or newer release For further details, please see the New Features topic in the Gen 8.6 Release Notes at http://techdocs.broadcom.com/us/en/ca-mainframe-software/devops/ca-gen/8-6/release-notes/new-features.html).</pre>

Service	Details	
LU10166	LU10166 M.C.S. ENTRIES = ++PTF (LU10166) REWORK(2023170)	
	CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE	
	ENHANCEMENT DESCRIPTION:	
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	PRODUCT(S) AFFECTED:	
	GEN HOST ENCYCLOPEDIA	Release 8.6
	GEN COMMON MODULES	Release 8.6
	GEN COMMON MODULES CICS	Release 8.6
	Related Problem:	
	CGMCMN 20312	
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	R00067-GEN086	
	DESC(CONSUMING REST APIS: TSOAE, DLIBATCH/IMS_BMP & CALLREST FILE).	
	++VER (Z038)	
	FMID (CEHC860)	
	PRE (LU04596 LU08866)	
	SUP (LT10166)	
	++IF FMID(CEG6860) REQ(LU10164).	
	++IF FMID(CEHB860) REQ(LU10165).	
	MCS LU10164	STARTS ON PAGE 0002
	MCS LU10165	STARTS ON PAGE 0004
	MCS LU10166	STARTS ON PAGE 0011

Gen 8.6
CA RS 2307 Product/Component Listing

Product Family	Product	Release
DevOps	CA GEN BASE MODULES (COMMON MODULES)	08.06.00
	CA GEN BASE UNRESOLVED RUNTIME MODULES	08.06.00
	CA GEN CICS OPTION MQSERIES MIDDLEWARE	08.06.00
	CA GEN CICS TCP/IP DIRECT CONNECT	08.06.00
	CA GEN COMMON CICS MODULES	08.06.00
	CA GEN COMMON IMS MODULES	08.06.00
	CA GEN HOST ENCYCLOPEDIA	08.06.00
	CA GEN IMPLEMENTATION TOOLSET	08.06.00
	CA GEN IMS OPTION MQSERIES MIDDLEWARE	08.06.00
	CA GEN IMS TCP/IP DIRECT CONNECT	08.06.00
The CA RS 2307 Product/Component Count for this release is 10		

Gen 8.6
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR2307	LU10166	CEHC860
	LU10165	CEHB860
	LU10164	CEG6860
CAR2305	LU09691	CEHB860
	LU09690	CEG6860
CAR2304	LU09440	CEHC860
	LU08867	CETA860
	LU08866	CEHC860
	LU08865	CEHB860
CAR2301	LU08295	CEG8860
CAR2210	LU07216	CEG6860
	LU07165	CEG6860
	LU06986	CEG8860
	LU06645	CEHC860
	LU06644	CEHB860
CAR2209	LU06760	CEG8860
CAR2207	LU05281	CEHC860
CAR2206	LU05743	CEHB860
	LU05722	CEG6860
CAR2205	LU05551	CEG6860
CAR2204	LU04909	CEG6860
CAR2203	LU04600	CETA860
	LU04599	CEKZ860
	LU04598	CEKP860
	LU04597	CEHD860
	LU04596	CEHC860
	LU04595	CEHB860
	LU04594	CEG9860
	LU04593	CEG8860
	LU04592	CEG7860
	LU04591	CEG6860
	LU03312	CEG8860
CAR2202	LU03410	CEHC860
	LU03409	CEHB860
	LU03408	CEG6860
CAR2112	LU03643	CEHB860
CAR2111	LU03276	CEG6860
CAR2110	LU01908	CETA860
	LU01889	CEKZ860
	LU01888	CEKP860
	LU01887	CEHD860
	LU01886	CEHC860
	LU01885	CEHB860
	LU01884	CEG7860
	LU01883	CEG6860
CAR2108	LU01762	CEG9860
	LU01761	CEHD860

Gen 8.6
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR2107	LU01753	CEG6860
CAR2105	LU00570	CEG7860
CAR2104	LU00269	CEHB860
	LU00268	CEG6860
CAR2103	S016038	CEG8860
	LU00154	CEHB860
	LU00153	CEG6860
CAR2102	S016152	CEHC860
CAR2101	S015734	CEG6860
	S015712	CEHB860
CAR2012	S015689	CEG6860
	S015466	CEHC860
	S015465	CEHB860
	S015445	CEG9860
	S015047	CEG8860
	S015046	CEG6860
	S015044	CEKZ860
	S015043	CEKP860
	S014009	CEHB860
	S014008	CEG7860
	S014007	CEG6860
CAR2010	S014766	CEHB860
	S014183	CEG7860
	S014136	CETA860
	S014135	CEHD860
	S014134	CEHC860
	S014133	CEHB860
	S014132	CEG6860
CAR2009	S014635	CEG6860
CAR2005	S012663	CEG6860
	S012046	CEHC860
	S012045	CEHB860
CAR2002	S011000	CEG6860
CAR1907	S008426	CETA860
	S008425	CEKZ860
	S008424	CEKP860
	S008423	CEHD860
	S008422	CEHC860
	S008421	CEHB860
	S008420	CEG8860
	S008419	CEG7860
	S008418	CEG6860
CAR1901	S006243	CEG6860
	S006186	CEG6860
CAR1811	S005671	CEG9860
	S005670	CEG9860
	S004601	CEHB860

Gen 8.6
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR1810	R098371	CEHB860
	R098370	CEG7860
	R098369	CEG6860
CAR1808	S004427	CEKP860
	S003875	CEHB860
CAR1805	R099134	CEG6860
CAR1710	R097902	CEG6860
	R097591	CEG7860
CAR1703	R094544	CEHC860
CAR1702	R093862	CETA860
	R093836	CEHD860
	R093835	CEHC860
	R093834	CEHB860
	R093833	CEG9860
	R093832	CEG8860
	R093831	CEG6860
	R093762	CEHC860
CAR1611	R092447	CEHD860
	R092427	CEHC860