Service	Description	Type
LU08865	CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS	PTF
LU08866	CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS	PTF
LU08867	CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS	PTF
LU09440	BLOCK MODE NON-SCREEN MAY ABEND IF WRITING ERROR TO SCREEN	PTF

The CA RS 2304 service count for this release is   4

CA RS 2304 Service List for CEHB860

FMID	Service	Description	Type
CEHB860	LU08865	CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS	PTF
		The CA RS 2304 service count for this FMID is 1	

Gen
CA RS 2304 Service List for CEHC860

FMID	Service	Description	Type
CEHC860	LU08866	CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS	PTF
	LU09440	BLOCK MODE NON-SCREEN MAY ABEND IF WRITING ERROR TO SCREEN	PTF
The CA RS 2304 service count for this FMID is 2			

FMID	Service	Description	Type
CETA860	LU08867	CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS	PTF

The CA RS 2304 service count for this FMID is 1

FMID	Service	Description	Type
CETA860	LU08867	CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS	PTF

The CA RS 2304 service count for this FMID is 1

Service	Details
LU08865	LU08865 M.C.S. ENTRIES = ++PTF (LU08865) REWORK(2023065) CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS ENHANCEMENT DESCRIPTION: This enhancement adds the following support to the Consuming RESTful APIs feature: 1) Batch application support Gen-generated Batch applications can now consume RESTful APIs. Supported functionality includes: HTTP Methods: GET, POST, PUT, and DELETE Security Schemes: Basic, Bearer, API Key, and OAuth2 Client Credentials Authentication DB2 Attach Types: DB2_DSN and EXEC/NONE 2) Compatibility support for Batch and CICS applications Call REST Action Blocks can now have their Dynamic Link (z/OS) property set to Compatibility (CMP). PRODUCT(S) AFFECTED: GEN COMMON MODULES Release 8.6 GEN COMMON MODULES CICS Release 8.6 GEN UNRESOLVED RUNTIME MODULES Release 8.6 Related Problem: CGMCMN 19333 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00064-GEN086 DESC(CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS). ++VER (Z038) FMID (CEHB860) PRE (LU01885 LU03409 LU04595 RO93834 RO98371 SO14133) SUP (LT08865) ++IF FMID(CEHC860) REQ(LU08866). ++IF FMID(CETA860) REQ(LU08867). ++HOLD (LU08865) SYSTEM FMID(CEHB860) REASON (ACTION) DATE (23065) 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 | +----------+---+ |USERS | Gen Host Encyclopedia Administrator | |AFFECTED | Gen Implementation Toolset Administrator | +----------+---+ |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 *

Service	Details
| | ```
*                        *
*    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:
TI$LAE              TICBATAB
TI$LAED             TICBATNO
TI$LBTCH            TICLAE
TI$LDB2C            TICLAED
TI$LDSN             TICLBTCH
TI$LEXEC            TICLDSN
TICLEXEC
+---------+-------------------------------------------------------+
**************************
* 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
A batch application must be executed as a POSIX-enabled
application in order to use a Call REST statement.  There are
several ways to indicate that the application is POSIX-enabled,
but one of the simplest methods is to add the following JCL
cards to each batch job step that uses Call REST statements:
//CEEOPTS   DD *
POSIX(ON)
c. TIRABRTB
This PTF delivers a new DLL named TIRABRTB.  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
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.
``` |

Service	Details
	). ++HOLD (LU08865) SYSTEM FMID(CEHB860) REASON (DOC) DATE (23065) 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).

Service	Details
LU08866	LU08866 M.C.S. ENTRIES = ++PTF (LU08866) REWORK(2023065) CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS ENHANCEMENT DESCRIPTION: This enhancement adds the following support to the Consuming RESTful APIs feature: 1) Batch application support Gen-generated Batch applications can now consume RESTful APIs. Supported functionality includes: HTTP Methods: GET, POST, PUT, and DELETE Security Schemes: Basic, Bearer, API Key, and OAuth2 Client Credentials Authentication DB2 Attach Types: DB2_DSN and EXEC/NONE 2) Compatibility support for Batch and CICS applications Call REST Action Blocks can now have their Dynamic Link (z/OS) property set to Compatibility (CMP). PRODUCT(S) AFFECTED: GEN COMMON MODULES Release 8.6 GEN COMMON MODULES CICS Release 8.6 GEN UNRESOLVED RUNTIME MODULES Release 8.6 Related Problem: CGMCMN 19333 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00064-GEN086 DESC(CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS). ++VER (Z038) FMID (CEHC860) PRE (LU01886 LU03410 LU04596 SO08422 SO14134) SUP (LT05280 LT05281 LT08866 LU05281) ++IF FMID(CEHB860) REQ(LU08865). ++IF FMID(CETA860) REQ(LU08867).

Service	Details
LU08867	LU08867 M.C.S. ENTRIES = ++PTF (LU08867) REWORK(2023065) CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS ENHANCEMENT DESCRIPTION: This enhancement adds the following support to the Consuming RESTful APIs feature: 1) Batch application support Gen-generated Batch applications can now consume RESTful APIs. Supported functionality includes: HTTP Methods: GET, POST, PUT, and DELETE Security Schemes: Basic, Bearer, API Key, and OAuth2 Client Credentials Authentication DB2 Attach Types: DB2_DSN and EXEC/NONE 2) Compatibility support for Batch and CICS applications Call REST Action Blocks can now have their Dynamic Link (z/OS) property set to Compatibility (CMP). PRODUCT(S) AFFECTED: GEN COMMON MODULES Release 8.6 GEN COMMON MODULES CICS Release 8.6 GEN UNRESOLVED RUNTIME MODULES Release 8.6 Related Problem: CGMCMN 19333 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00064-GEN086 DESC(CONSUMING RESTFUL APIS FROM BATCH/COMPATIBILITY APPLICATIONS). ++VER (Z038) FMID (CETA860) PRE (LU04600) SUP (LT08867) ++IF FMID(CEHB860) REQ(LU08865). ++IF FMID(CEHC860) REQ(LU08866).

LU08867 LU08867   M.C.S. ENTRIES = ++PTF (LU08867) REWORK(2023065)

Service	Details
LU09440	LU09440 M.C.S. ENTRIES = ++PTF (LU09440) REWORK(2023082) BLOCK MODE NON-SCREEN MAY ABEND IF WRITING ERROR TO SCREEN PROBLEM DESCRIPTION: An AEYY abend may occur on CICS when attempting to display error messages for a blockmode non-screen Gen application. After applying the PTF, the error messages for blockmode non-screen Gen applications will be written to the CICS log. This problem was reported in Case 33312177. SYMPTOMS: The Gen application will receive an AEYY abend in CICS. IMPACT: The Gen application will abend without displaying error messages. CIRCUMVENTION: Use the TIRTERMA user exit to handle the original error. PRODUCT(S) AFFECTED: CA Gen - Common Modules CICS RELEASE: 8.6 Related Problem: CGRTCI 19825 (C) 2023 Broadcom Inc and/or its subsidiaries; All rights reserved R00065-GEN086 DESC(BLOCK MODE NON-SCREEN MAY ABEND IF WRITING ERROR TO SCREEN). ++VER (Z038) FMID (CEHC860) PRE (LU01886 LU03410 LU04596 LU08866 SO08422 SO14134) SUP (LT09440) MCS LU08865 STARTS ON PAGE 0002 MCS LU08866 STARTS ON PAGE 0008 MCS LU08867 STARTS ON PAGE 0010 MCS LU09440 STARTS ON PAGE 0011

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 2304 Product/Component Count for this release is 10		

Gen 8.6
All CA RS Levels Service List

CA RS Level	Service	FMID
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
CAR2107	LU01753	CEG6860
CAR2105	LU00570	CEG7860
CAR2104	LU00269	CEHB860
	LU00268	CEG6860
CAR2103	SO16038	CEG8860

Gen 8.6
All CA RS Levels Service List

CA RS Level	Service	FMID
	LU00154	CEHB860
	LU00153	CEG6860
CAR2102	SO16152	CEHC860
CAR2101	SO15734	CEG6860
	SO15712	CEHB860
CAR2012	SO15689	CEG6860
	SO15466	CEHC860
	SO15465	CEHB860
	SO15445	CEG9860
	SO15047	CEG8860
	SO15046	CEG6860
	SO15044	CEKZ860
	SO15043	CEKP860
	SO14009	CEHB860
	SO14008	CEG7860
	SO14007	CEG6860
CAR2010	SO14766	CEHB860
	SO14183	CEG7860
	SO14136	CETA860
	SO14135	CEHD860
	SO14134	CEHC860
	SO14133	CEHB860
	SO14132	CEG6860
CAR2009	SO14635	CEG6860
CAR2005	SO12663	CEG6860
	SO12046	CEHC860
	SO12045	CEHB860
CAR2002	SO11000	CEG6860
CAR1907	SO08426	CETA860
	SO08425	CEKZ860
	SO08424	CEKP860
	SO08423	CEHD860
	SO08422	CEHC860
	SO08421	CEHB860
	SO08420	CEG8860
	SO08419	CEG7860
	SO08418	CEG6860
CAR1901	SO06243	CEG6860
	SO06186	CEG6860
CAR1811	SO05671	CEG9860
	SO05670	CEG9860
	SO04601	CEHB860
CAR1810	RO98371	CEHB860
	RO98370	CEG7860
	RO98369	CEG6860
CAR1808	SO04427	CEKP860
	SO03875	CEHB860

Gen 8.6
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR1805	RO99134	CEG6860
CAR1710	RO97902	CEG6860
	RO97591	CEG7860
CAR1703	RO94544	CEHC860
CAR1702	RO93862	CETA860
	RO93836	CEHD860
	RO93835	CEHC860
	RO93834	CEHB860
	RO93833	CEG9860
	RO93832	CEG8860
	RO93831	CEG6860
	RO93762	CEHC860
CAR1611	RO92447	CEHD860
	RO92427	CEHC860