

# upgrading to CA Gen 8 removing the “guesswork”

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# agenda

- Why Upgrade?
- From / To Release and Plan
- MSM or SAMPJCL
- Install Differences
- Compatibility
- References
- Q & A

# why upgrade?

- CA Gen 8.0 is the only supported release
- To run on a release that is compatible with certified 3rd Party products
  - DB2 v8.1, 9.1 and 10
  - z/OS v1.11, v1.12, and v1.13
  - CICS TS v3.2, v4.1, and v4.2
  - IMS v9, v11

# from / to release

- CA Gen Upgrade paths follows:
  - 6.0 thru r7.6 to 8.0
- If current release is older, must use intermediate release to CA Gen r7.6

- Upgrade In-Place or create new Encyclopedia
- Use of MSM or SAMPJCL and who will install
- Incorporate custom changes
- When will models be converted
- Encyclopedia testing
- Application testing
- Define resources

- In CA Gen 8.0, each user exit is now a stand-alone DLL
- Must rebuild and redeploy user exit changes
- Use MKUEXITS to build the stand-alone DLL

- MSM is a CA interactive process to acquire and install z/OS products and maintenance using SMP/E (Mainframe Software Manager)
- SAMPJCL is a manual process to unload and install z/OS products and maintenance using SMP/E
- For either install methods, it is highly recommended to immediately apply maintenance

- See Chapter 3 of the CA Gen z/OS Installation guide on how to install CA Gen 8.0 using MSM
- This chapter also includes how to install PTFs using MSM
- Must create a USS directory for the product software and PTFs
- This is the recommended path for software and maintenance installations



- This is a manual process to download the product software and maintenance
- The Aggregate Maintenance is contained in PAX files and individual PTFs and HOLDDATA are in binary format
- Download to PC and FTP to Host

- GENEDIT example:

YOUR.SDSNLOAD "DB2.DB2810.SDSNLOAD"

YOUR.SDFHLOAD "CICSSYS.CTS320.GA.CICS.SDFHLOAD"

YOUR.RESLIB DUMMY

YOUR.SCSQLOAD

MVSSYS.WASMQ.V7R0M1.PDO0939.SCSQLOAD"

- GEN3RECD / GEN3RECT

SET BOUNDARY ( GLOBAL ) .

RECEIVE SYSMODS

RFPREFIX(AAAC.D.TEST)

FORFMID (

CEHB800 /\* CA GEN BASE MODULES (COMMON MODULES) \*/

CEG6800 /\* CA GEN HOST ENCYCLOPEDIA \*/

CEG7800 /\* CA GEN IMPLEMENTATION TOOLSET \*/

CEG8800 /\* CA GEN CICS TCP/IP DIRECT CONNECT \*/

CEG9800 /\* CA GEN IMS TCP/IP DIRECT CONNECT \*/

CEHC800 /\* CA GEN COMMON CICS MODULES \*/

CEHD800 /\* CA GEN COMMON IMS MODULES \*/

CEKP800 /\* CA GEN CICS OPTION MQSERIES MIDDLEWARE \*/

CEKZ800 /\* CA GEN IMS OPTION MQSERIES MIDDLEWARE \*/

CETA800 /\* CA GEN BASE UNRESOLVED RUNTIME MODULES \*/

). .

## ■ GEN4APP

SET BOUNDARY (CAIT0) .

APPLY

SELECT (

CEHB800 /\* CA GEN BASE MODULES (COMMON MODULES) \*/

CEG6800 /\* CA GEN HOST ENCYCLOPEDIA \*/

CEG7800 /\* CA GEN IMPLEMENTATION TOOLSET \*/

CEG8800 /\* CA GEN CICS TCP/IP DIRECT CONNECT \*/

CEHC800 /\* CA GEN COMMON CICS MODULES \*/

CEKP800 /\* CA GEN CICS OPTION MQSERIES MIDDLEWARE \*/

CETA800 /\* CA GEN BASE UNRESOLVED RUNTIME MODULES \*/ ).

- Recommend to apply maintenance immediately after product installation is complete.
- Maintenance JCL in SAMPJCL

Use the following when applying maintenance

- GEN6RECP
- GEN7APYP
- GEN8ACCP (optional)

- Using PAX and Binary files for maintenance

```
//SMPPTFIN DD DISP=SHR,DSN=JOHLE05.TR37815
```

```
//          DD PATHDISP=KEEP,
```

```
// PATH='/u/users/nfs/CAGen/JOHLE05/SMPPTFIN'
```

```
//          DD DISP=SHR,DSN=HOLDDATA
```

- For HOLDDATA and individual PTFs, use FB=80

# install differences

- Library Names have changed and must be stay consistent for PTF applications (CEHB/CEG8/CEG9).
- Added PARMLIB to retain values that were in CLIST members TIUGLOB and TIRCFIGS
- Must change logon PROC to include TIUPARML allocation and new library names.
- Create SQL, JCL, and PARMLIB  
(FB=80, BLKSIZE=3120)

# install differences

- Eliminated TLIB library
- Package bind only for TIRPROFD –  
See CEJOB15R



- If Host Encyclopedia install, will have the following members:
  - JOBCARD
  - TILPARMS
  - TIRHE
  - TIRMFS (if IMS selected)
  - TIUHE
  - TIUHE2

- If z/OS IT install, will have the following members:
  - JOBCARD
  - TIRIT
  - TIRMFS (if IMS selected)
  - TIUIT
  - TIUIT2

- If upgrading from CA Gen r7.6, no regen or install is required. Modules can be mixed. Runtime is compatible.
- If upgrading from releases prior to CA Gen r7.5, then there may be various actions required.
  - User Exits Reinstallation
  - Using DLLs and the Compatibility Feature
  - Possible regen and/or reinstall applications

# Socket Server Listener

- Carried forward from CA Gen r7.6 is the TISL and TIML
- Paper available on [support.ca.com](http://support.ca.com) on TIML
- The single socket server listener handles requests from one socket at a time
- The multi-socket server listener can handle multiple socket requests at the same time
- Discontinued the use of the TICONMGR implementation of a listener

# upgrade assistance

- One or more conference calls with L1 and SE
- Open an issue
- Describe your environment
- Ask questions or give details on concerns

- CA Gen 8.0 z/OS Installation Guide
- CA Gen 8.0 z/OS Host Construction Guide
- CA Gen Technical Requirements r8
- CA Gen Release Notes

questions

thank you



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