CICS Comet

Installation Notes

Release 5.4.0

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This manual applies to CICS Comet release 5.4.0

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CICS Comet v5.4.0 Installation Notes

1. CICS Comet supports CICS releases of TS 3.1 to CICS TS 5.4, older releases such as CICS TS 1.x, and 2.x are no longer supported by Comet. A future release of Comet, will most likely drop support for CICS TS 3.1 and possibly CICS TS 3.2, leaving Comet v4.2.0 or v5.4.0 as a transition from older CICS TS releases.

2. If you are upgrading from TS 2.2, or 2.3 Releases of CICS to the currently supported CICS releases, we suggest first installing CICS Comet version 4.2.0, and then upgrade from 4.2.0 to 5.4.0

3. If you are upgrading from TS 1.1, 1.2, or 1.3 Releases of CICS to the currently supported CICS releases, we suggest first installing CICS Comet version 3.6.5, and then upgrade from 3.6.5 to 4.2.0, and then 5.4.0

4. A SYSIN DD has been added to the sample CC$$INIT PROC in COMET.CCV540.SAMPLIB
   This is required and must point to a valid Comet Password for this CPU or LPAR.
   This is Supplied by Unicom Customer Services. Please note that the Program name in the PROC has been changed from past Comet releases starting in Version 3.6.5. Instead of CC$$INIT it is now version Unique such as: CC$$V540.

```
//CC$$INIT PROC INDEX=COMET,PSWD=INITPSWD
//CC$$INIT EXEC PGM=CC$$INIT,REGION=4096K
//STEPLIB  DD  DISP=SHR,DSN=&INDEX.CCV540.LOAD
//SYSPRINT DD  SYSOUT=X
//SYSUDUMP DD  SYSOUT=X
//SYSIN    DD  DISP=SHR,DSN=&INDEX.CCV540.SAMPLIB(&PSWD)
```

   PROC CC$$V540 is another example of this same PROC, but with matching PROC and Program names.

```
//CC$$V540 PROC INDEX=COMET,PSWD=V540PSWD
//CC$$V540 EXEC PGM=CC$$V540,REGION=4096K
//STEPLIB  DD  DISP=SHR,DSN=&INDEX.CCV540.LOAD
//SYSPRINT DD  SYSOUT=X
//SYSUDUMP DD  SYSOUT=X
//SYSIN    DD  DISP=SHR,DSN=&INDEX.CCV540.SAMPLIB(&PSWD)
```

5. Remove all CICS/Comet passwords from CCSIPARM, or the APPLID members in COMET.CCV540.SAMPLIB.
   Comet Passwords are now validated only in CC$$INIT or CC$$V540 PROC, see Item # 1.

6. CICS Comet version 5.4.0 no longer supports CICS TS 2.2, which was the last release to support the Cobol II execution library, so the CCSIPARM COBOL2= is no longer supported, and should be either removed from CCSIPARM, or ignore the startup error message.

7. LE=[AUTO|YES|NO] is no longer needed or honored by CICS/Comet startup.
   Comet will determine at CC$$STRT execution Time, what Cobol Run Time Libraries you are using for this CICS region, and take action accordingly. We recommend setting it to AUTO, just for documentation purposes.

8. CICS/Comet User exits points: CCEASTUB and CCEBSTUB no longer exist.
   They have been replaced by 4 new exits: CCEACMCI, CCEBCMCI, CCEACPEI, and CCEBCPEI.

   CCExCMCI are before and after exits for Comet Control Formatting, such as the TCA/TWA

   CCExCPEI are NON-LE programs (assembler, PL/I and VS/ Cobol) Comet Initialization exits close to the CCExSTUB exit points.

   CCExCCEE exit points are used for LE enabled programs, such as Cobol II and Cobol/370.

   Make sure you migrate or Copy any Custom CICS/Comet User exits from your existing Comet Load Library to Comet's 5.4.0 Load Library and specify EXITS=YES in CCSIPARM. We normally don't recommend reassembling your Comet user exits however if the exits access CICS control blocks out side of Comet, you may want to check them for CICS TS 4.2 compatibility. **DFHTM** macros are supported by CICS Comet.

9. CICS/Comet no longer supports the &**SYSID** variable for CCSIPARM overrides like it supports the &APPLID variable for CCSIPARM overrides.
   MVS &Jobname, and Generic &APPLID has been added in its place.

10. Review CSA=[AUTO|NO|YES] keywords in CCSIPARM for the defaults for each Release of CICS. With AUTO specified, any Release of CICS above 4.1 defaults to CSA=NO. Unspecified keyword defaults to NO. Only in rare case where programs are acquiring the CSA address, not the CWA address, may this keyword need to be reset to YES.

11. **ISAM Compatibility Mode**. ISAM applications expected a FIOA (File I/O Area), where as VSAM applications expected a FWA (File Work Area). This was control be the RECFM for the CICS 2.1.2 FCT entry, UNBLOCKED was ISAM FIOA mode, where as BLOCKED was VSAM FWA mode. Comet needs this information in order to properly construct the right File area at execution time. The Comet FCT you assembled in past release, and Loaded at Comet PLT initialization time, via the CCSIPARM keyword FCT=xx, is still used in 5.4.0 This means you must migrate or Copy the Comet FCT load module from your old Comet load Library to the new Comet 5.4.0 Load Library, and set the matching suffix in CCSIPARM's FCT=xx Keyword.

12. CICS/Comet has added support for EXEC CICS CREATE PROGRAM(CC$$????) in both the HALLEY and HALY transactions. This makes new release upgrades easier, as the CC$$STRT and CC$$SNAP logic will add newly required Program entries, and delete old or unused Program entries. The samplib member **ADDTOCSD** should be used to add the minimum Program, Tranid, and File definitions to the DFHCSD dataset. In addition the samplib member **COMETIVP** can be used to add the Comet IVP Programs and Tranids to the DFHCSD dataset.

13. If you plan on using the New "Library" feature of CICS TS, make sure to put the Comet load libraries into a Library definition of COMETLIB, as Comet will only search **COMETLIB** and the **DFHRPL** for the Comet Supplied CC$$COM0. For Example:

```
OVERTYPE TO MODIFY
 SNAP  ALter LIbrary( COMETLIB )
  LIbrary        : COMETLIB
  Group          : LIBRARY
  DEScription  ==> CICS/COMET LOAD LIBRARIES
  Ranking      ==> 11                1-9 | 11-99
  CRitical     ==> No                No | Yes
  Status       ==> Enabled           Enabled | Disabled
 DATA SET NAMES
  DSNAME01     ==> COMET.CCV540.LOADPTFS
  DSNAME02     ==> COMET.CCV540.LOAD
```

14. The HALY service transaction provided by CICS/Comet has added a new menu option. The menu list the new and old commands supported by the Comet service transaction.

```
CC$$MENU
------------------------------------------------------------------------------
-> CC$$MENU Display R=6.7 Term 6701 APPLID CICSTS42 Date 11/11/11 Time 11:11:11
------------------------------------------------------------------------------
Command  ---Modifier---  (PF)
--Name-- -One-  One/Two  -Key ---- C o m m a n d     D e s c r i p t i o n ----
------------------------------------------------------------------------------
VERSion                  PF01 Display Component Versions and Asm. Dates
Program                  PF02 Display CICS USER Program (PPT) statistics
MAPset                   PF04 Display CICS USER Mapsets and Load points
MODule                   PF05 Display CICS USER Modules and Load points
APE                      PF06 Display Programs in LOAD POINT order
CPE                      PF07 Display Programs in alphabetic order
USAGE                    PF08 Display CICS Program USAGE statistics
TRan                     PF09 Display CICS Transaction (PCT) statistics
TRANPROG                 PF10 Display CICS Transactions with initial Prog
EXit                     PF11 Display list of active CICS User Exits
GLue                     PF12 Display list of active CICS GLUE Exits
UEpb                     PF13 Display list of User Exit Program Blocks
SUbpool                  PF14 Display CICS MVS Storage Subpool usage
LCAs                     PF15 Display TS 3.2 Library control areas
LIBrary                  PF16 Display TS 3.2 Libraries in System order
PRog     *      Ena           Display CICS "Enabled" Programs
PRog     *      Dis           Display CICS "Disabled" Programs
Locate   DFHPPT DFHEMTA       Locate A SPECIFIC PROGRAM'S PPT IN storage
Loc            program        Locate a Specific Program in storage
```

15. Entering: **HALLEY VERSION** from a 3270 screen can be used to determine each domain's Maintenance level, including CC$$STRT's level. Please note that in 5.4.0, the version is 4 and the release is 2. The last digit of 0 is the maintenance level. Only domains that have been altered to support a new Version of CICS or have PTFs applied, will show an updated Modification level. For Example CC$$STRT might be at 4.2.1 and CC$$EFCP could be 5.4.0. This is intentional so that we can detect what maintenance level each module is at from one screen print. However due to the massive CSA/TCA and 64-bit addressing changes by IBM in CICS in TS 4.2 every module of Comet was affected, and needed to be reassembled.

```
HALLEY VERSION
================================================================================
Cics Comet V5R1M0 COPYRIGHT(C): 1991-->1999,2000-->2011 (DR.CICS) 08/23/11 14.46
================================================================================
CICS COMET CURRENT DATE.......: 2011/12/14
CICS COMET EXPIRATION DATE....: PERM
CICS COMET Licensed CPUid.....: 037B36,2098/J04
CICS COMET LICENSED PARMS.....: 07301954 Unicom Systems Intl, Inc.      ,
================================================================================
CC$$EBFP: V5R1M0 08/21/11 1F2DF000 62B0  CC$$EBMS: V5R1M0 08/21/11 1F2E5300 33F0
CC$$EDCP: V5R1M0 08/21/11 1F2E8700 3000  CC$$EDIP: V5R1M0 08/21/11 1F2EB700 3280
CC$$EDLI: V5R1M0 08/21/11 1F2EEA00 3270  CC$$EFCP: V5R1M0 08/21/11 1F2F1D00 5EF8
CC$$EICP: V5R1M0 08/21/11 1F2F7C00 3288  CC$$EJCP: V5R1M0 08/21/11 1F2FAF00 3000
CC$$EKCP: V5R1M0 08/21/11 1FB9D000 36C0  CC$$EPCP: V5R1M0 08/21/11 1FBA0700 5B20
CC$$ESCP: V5R1M0 08/21/11 1FBA6300 3000  CC$$ESPP: V5R1M0 08/21/11 1FBA9300 3000
CC$$ETCP: V5R1M0 08/21/11 1FBAC300 3280  CC$$ETDP: V5R1M0 08/21/11 1FBAF600 39E0
CC$$ETRP: V5R1M0 08/21/11 1FBB3000 3000  CC$$ETSP: V5R1M0 08/21/11 1FBB6000 3598
CC67LDLD: V5R1M0 08/21/11 1FBBBF50 31A0  CC$$EXEC: V5R1M0 08/21/11 00244904 5930
CC$$CMCI: V5R1M0 08/21/11 00240000 5400  CC$$CPEI: V5R1M0 08/21/11 00233A30 0000
CC$$MAIN: V5R1M0 08/21/11 0022F228 54E0  CC$$KERN: V5R1M0 08/21/11 0022F228 5930
CC67EEIP: V5R1M0 08/21/11 002800B0 8430  CC67EPLI: V5R1M0 08/21/11 000BB7C8 3238
CC67EIPA: V5R1M0 08/21/11 1FBB96B0 1830  CC$$CCEE: V5R1M0 08/21/11 000B8560 3000
================================================================================
JobName=LJLDFH67 APPLID=LJLDFH67 SYSID=LL67 CICS_VERSION=67.12 RUNTIME_ENV=LE-34
```