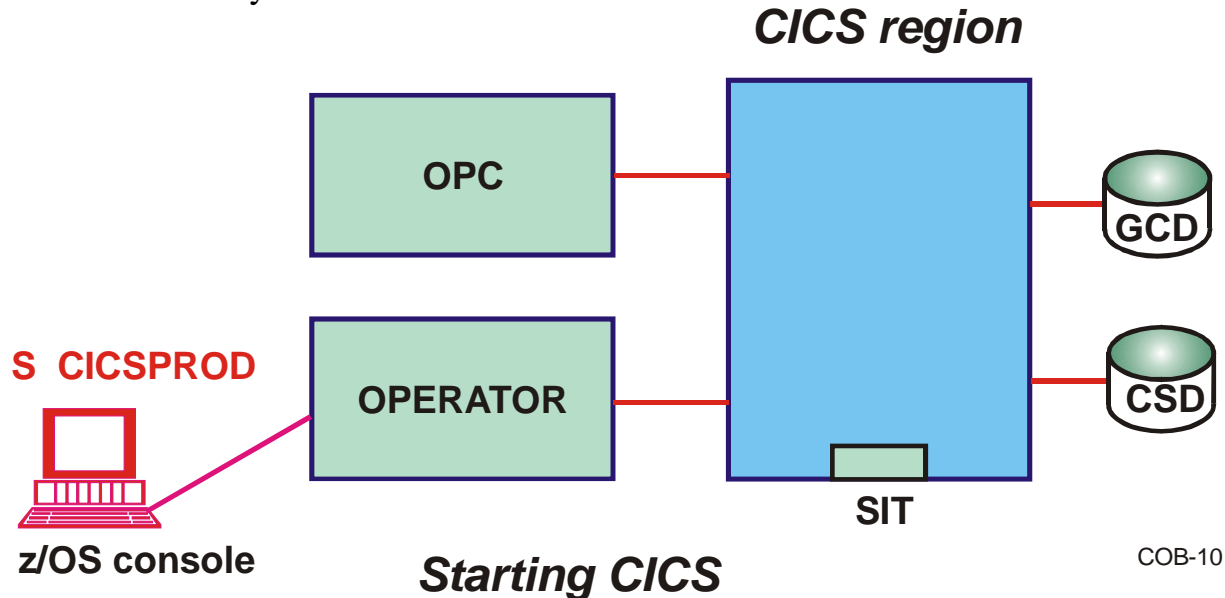


## **CICS startup and shutdown**

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## Starting CICS

CICS is normally started as an STC, though it can also be started as a JOB. You can start CICS from an MVS console or Netview terminal with an appropriate START command, though most installations will use a scheduler (e.g. OPC/ESA) to control production CICS availability.

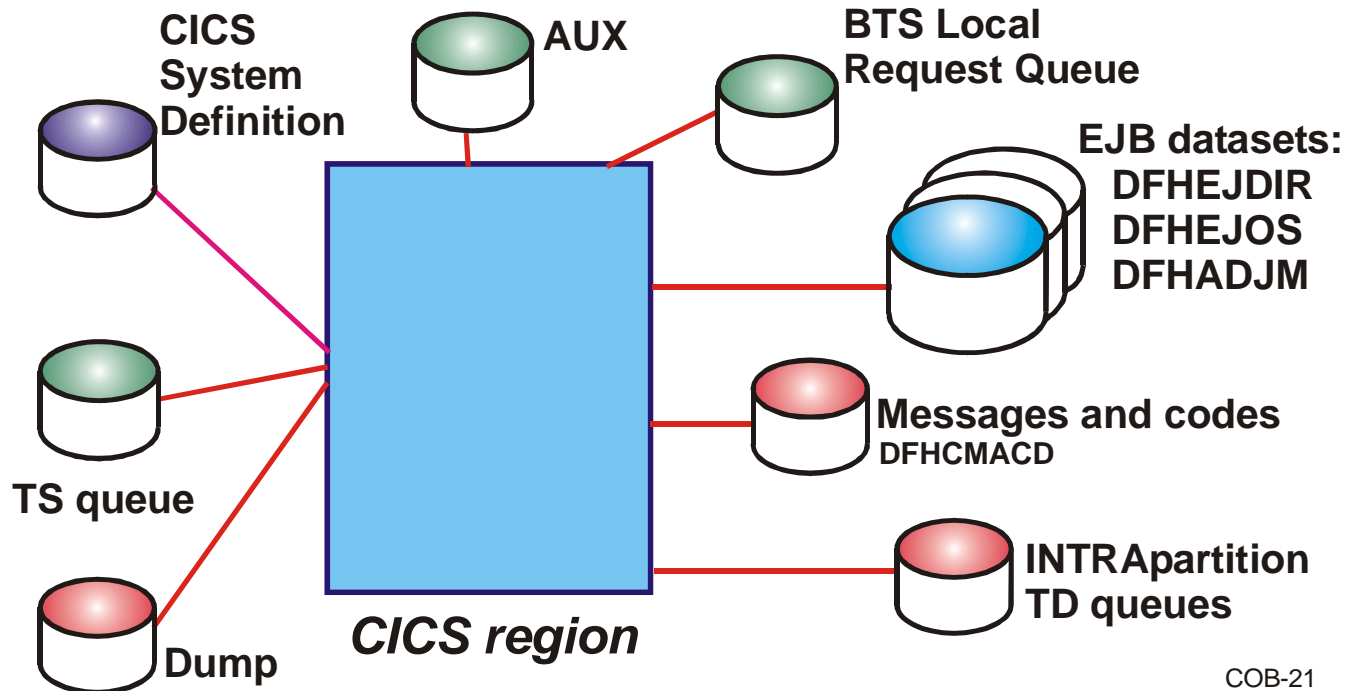


The CICS startup JCL will identify the important datasets needed for running CICS and will also contain parameter information which will help to tailor CICS to your installation's requirements.

CICS startup activities include:

- obtaining storage for CICS execution above and below the line (DSAs)
- supplying CICS startup parameters from the SIT (Systems Initialization Table)
- loading the CICS domains and initializing them
- loading the CICS nucleus with the CICS modules
- installing CICS resource definitions from the CSD and from SIT parameters
- opening datasets needed for initialization

## CICS datasets



## CICS datasets

CICS uses many datasets to assist its operation. These include:

DFHCSD	CICS system definition file
DFHGCD	CICS global catalog; saves domain status information between CICS shutdown and startup, including resource definitions installed at time of shutdown, log status, warm-start-possible indicator
DFHAUXT & DFHBUXT	auxiliary trace datasets
DFHDMPA & DFHDMPB	dump datasets for user transaction dumps
DFHTEMP	auxiliary temporary storage (VSAM KSDS)
DFHINTRA	intrapartition transient data (VSAM ESDS)
DFHCMACD	messages and codes
DFHLRQ	BTS Local Request Queue
DFHEJDIR	EJB directory
DFHEJOS	EJB object store
DFHADJM	DJAR mapping file

Menu Functions Sort Confirm View Utilities Compilers Help

DSLISL - Data Sets Matching IC2S.CICS2T\* Row 1 of 55  
 Command ==> Scroll ==> CSR

Command - Enter "/" to select action	Message	Volume
IC2S.CICS2T.DFHCSO		*VSAM*
IC2S.CICS2T.DFHCSO.DATA		D2SJ01
IC2S.CICS2T.DFHCSO.INDEX		D2SJ01
IC2S.CICS2TA1.ARCH.J01A		??????
IC2S.CICS2TA1.DFHAXT		D2SJ00
IC2S.CICS2TA1.DFHBXT		D2SJ14
IC2S.CICS2TA1.DFHMPA		D2SJ10
IC2S.CICS2TA1.DFHMPB		DKSJ06
IC2S.CICS2TA1.DFHGCD		*VSAM*
IC2S.CICS2TA1.DFHGCD.DATA		DKSJ01
IC2S.CICS2TA1.DFHGCD.INDEX		DKSJ01
IC2S.CICS2TA1.DFHINTRA		*VSAM*
IC2S.CICS2TA1.DFHINTRA.DATA		D2SJ10
IC2S.CICS2TA1.DFHLCD		*VSAM*
IC2S.CICS2TA1.DFHLCD.DATA		D2SJ05
IC2S.CICS2TA1.DFHLCD.INDEX		D2SJ05
IC2S.CICS2TA1.DFHTEMP		*VSAM*
IC2S.CICS2TA1.DFHTEMP.DATA		D2SJ02
IC2S.CICS2TA1.FILEA		*VSAM*
IC2S.CICS2TA1.FILEA.COPY		*VSAM*
IC2S.CICS2TA1.FILEA.COPY.DATA		DKSJ07
IC2S.CICS2TA1.FILEA.COPY.INDEX		DKSJ07
IC2S.CICS2TA1.FILEA.DATA		DKSJ08
IC2S.CICS2TA1.FILEA.INDEX		DKSJ08
IC2S.CICS2TA1.RPCV.J01		D2SG04
IC2S.CICS2TT1.DFHAXT		D2SJ10
IC2S.CICS2TT1.DFHBXT		DKSJ08
IC2S.CICS2TT1.DFHMPA		D2SJ10
IC2S.CICS2TT1.DFHMPB		D2SJ05
IC2S.CICS2TT1.DFHGCD		*VSAM*
IC2S.CICS2TT1.DFHGCD.DATA		D2SJ01
IC2S.CICS2TT1.DFHGCD.INDEX		D2SJ01
IC2S.CICS2TT1.DFHINTRA		*VSAM*
IC2S.CICS2TT1.DFHINTRA.DATA		D2SJ06
IC2S.CICS2TT1.DFHLCD		*VSAM*
IC2S.CICS2TT1.DFHLCD.DATA		D2SJ05
IC2S.CICS2TT1.DFHLCD.INDEX		D2SJ05
IC2S.CICS2TT1.DFHTEMP		*VSAM*
IC2S.CICS2TT1.DFHTEMP.DATA		D2SJ05

## Startup types

### Initial start

No previous reference to the global catalog or system log. This is unusual unless a new release of CICS is being installed.

### Cold start

Re-initialize the CICS system. It may also be needed if other startups cannot be performed due to some problem e.g. unreadable log file. Sometimes used with Test CICS systems.

Cold start does not use system log information created by a previous run of CICS. Resource information is obtained from:

- tables in SIT parameters (used less and less)
- GRPLIST=.... SIT parameter taken from CSD file

### Warm start

Following a normal shutdown, CICS re-establishes its status as it was at the previous termination. Also **partial warm start**: same as a complete warm start except that some CICS facilities are cold started (via SIT parameters).

### Emergency restart

An emergency restart occurs after an IMMEDIATE shutdown or an uncontrolled shutdown. CICS invokes dynamic transaction backout which removes the effects of incomplete tasks.

If VSAM files were not closed properly, they will be **verified** during the restart; you may see IEC161I messages in the JCL log. Batch jobs would also see such messages if they try to open such a file. For this reason, a common practice is to start and stop CICS again following an immediate shutdown.

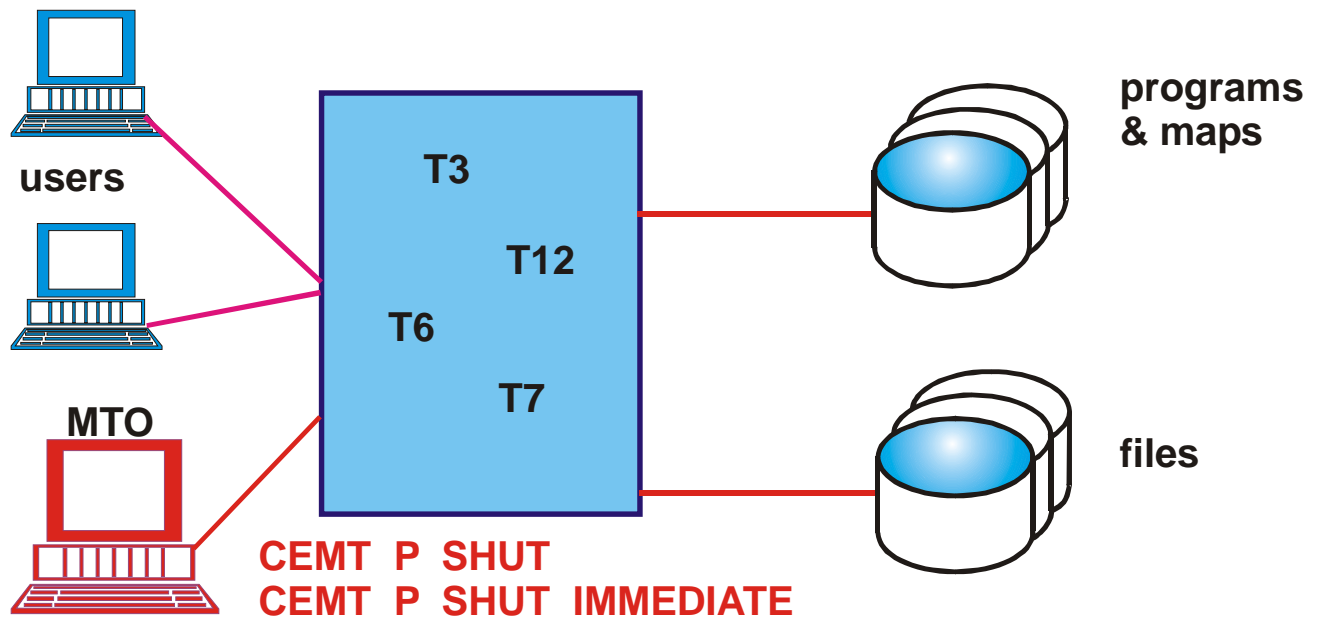
### START=STANDBY

Used for an alternate CICS region in an XRF=YES system.

## Shutdown

CICS shutdowns fall into the categories:

- controlled shutdown
- uncontrolled shutdown



### ***Controlled CICS shutdown***

COB-30

A controlled shutdown is achieved by entering the command:

**CEMT PERFORM SHUTDOWN**  
normal shutdown

**CEMT PERFORM SHUTDOWN IMMEDIATE**  
terminate in-flight tasks; subsequent startup is an emergency restart

**CEMT PERFORM SHUTDOWN DUMP**  
produce a dump of DSA at shutdown

Before shutdown, check  
the CICS activity with  
**CEMT I TAS**

An uncontrolled shutdown is caused by an unexpected failure in CICS itself, MVS, or the hardware. You will also cause an uncontrolled shutdown if you terminate CICS with the MVS Cancel command.



**Quiesce stage 2:**

- user-written programs in second part of shutdown PLT are executed##
- CICS files closed ##
- Journal Control is shutdown
- TD buffers are flushed
- global catalog is updated with warm keypoint and warm-start-possible flag##
- TD terminated
- Local and global catalogs are closed
- Message TERMINATION OF CICS IS COMPLETE is sent
- CICS performs some internal processing and returns control to MVS

```

0290 F CICSP1,'CEMT P SHUT'
0090 +DFHAC2015 CICSP1 Console INTJC has not been defined to CICS. Input
is ignored.
0090 +DFHTM1715 CICSP1 CICS is being quiesced by userid CICSUSER in
transaction CEMT at netname TCP00002.
0090 +DFHDM0102I CICSP1 CICS is quiescing.
0090 +DFHTM1782I CICSP1 All non-system tasks have been successfully
terminated.
0090 +DFHZC2305I CICSP1 Termination of VTAM sessions beginning
0090 +DFHCESD CICSP1 SHUTDOWN ASSIST TRANSACTION CESD STARTING. SHUTDOWN
IS NORMAL.
0090 +DFHZC2316 CICSP1 VTAM ACB is closed
0090 +DFHRM0204 CICSP1 There are no indoubt, commit-failed or backout-fail
ed UOWs.
0090 +DFHRM0130 CICSP1 Recovery manager has successfully quiesced.
0090 +DFHDU0303I CICSP1 Transaction Dump Data set DFHDMPA closed.
0290 IEA989I SLIP TRAP ID=X13E MATCHED. JOBNAME=CICSP1 , ASID=003A.
0090 +DFHKE1799 CICSP1 TERMINATION OF CICS IS COMPLETE.

```

## Appendix 1: CICS Startup JCL

```

1 //CICSTS02 JOB MSGLEVEL=1
2 //STARTING EXEC CICSTS02
3 XXDFHSTART PROC START='INITIAL',
  XX INDEX1='CICSTS22.CICS',
  XX INDEX2='OAK22',
  XX REG='1024M',
  XX OUTC='',
  XX SIP=T
  XX*SIP=M - jonathan's copy without
  XX*SIP=T - jonathan's original with web etc
  XX*
  XX*   INDEX1 - HIGH-LEVEL QUALIFIER(S) OF CICS RUN TIME DATASETS
  XX*   INDEX2 - HIGH-LEVEL QUALIFIER(S) OF CICS LOAD LIBRARIES
  XX*   REGNAM - REGION NAME FOR SINGLE OR MRO REGION
  XX*   REGION - STORAGE REQUIRED
  XX*   START - TYPE OF CICS START-UP REQUIRED
  XX*   DUMPTR - DUMP/TRACE ANALYSIS REQUIRED, YES OR NO
  XX*   RUNCICS - CICS STARTUP REQUIRED, YES OR NO
  XX*   OUTC - PRINT OUTPUT CLASS
  XX*   SIP - SUFFIX OF DFH$SIP MEMBER IN THE SYSIN DATASET
  XX*
  XX* SET THE RETURN CODE TO CONTROL IF CICS SHOULD BE
  XX* STARTED OR NOT
  XX*
4 XX V NET,ACT,ID=OAKJTS02
  XX*****
  XX***** EXECUTE CICS *****
  XX*****
5 XXCICS EXEC PGM=DFHSIP,REGION=&REG,TIME=1440,
  XX PARM='START=&START, SYSIN'
  XX*
  XX*           THE CAVM DATASETS - XRF
  XX*
  XX* THE "FILEA" APPLICATIONS SAMPLE VSAM FILE
  XX* (THE FILEA DD STATEMENT BELOW WILL
  XX* OVERRIDE THE CSD DEFINITION IN GROUP DFHMROFD)
  IEFC653I SUBSTITUTION JCL -
PGM=DFHSIP,REGION=1024M,TIME=1440,PARM='START=INITIAL, SYSIN'
6 XXFILEA DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..FILEA
  XX*
  IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=OAKWOOD.OAK22.FILEA
7 XXSYSIN DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..SYSIN(DFH$SIP&SIP)
  IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=OAKWOOD.OAK22.SYSIN(DFH$SIPT)
8 XXDFHCMACD DD DSN=CICSTS22.DFHCMACD,DISP=SHR

```

SIT parameters are from:

1. SIT table in STEPLIB concatenation
2. DCT=SP SIT parameter from PARM for PGM=DFHSIP
3. SYSIN parameters
4. system console

```

XX*****
XX*      THE CICS STEPLIB CONCATENATION
XX*      If Language Environment is required, the SCEERUN
XX*      dataset is needed in STEPLIB or LNKLST
XX*****
XXSTEPLIB DD DSN=&INDEX1..SDFHAUTH,DISP=SHR
          IEFC653I SUBSTITUTION JCL - DSN=CICSTS22.CICS.SDFHAUTH,DISP=SHR
10 XX      DD DSN=CEE.SCEERUN,DISP=SHR
11 XX      DD DSN=JCE.SJCELOAD,DISP=SHR
    XX*      DD DSN=DSN710.SDSNLOD2,DISP=SHR
12 XX      DD DSN=CSQ530.SCSQSNLE,DISP=SHR
13 XX      DD DSN=CSQ530.SCSQAUTH,DISP=SHR
    XX*****
    XX*      THE CICS LIBRARY (DFHRPL) CONCATENATION
    XX*      If Language Environment is required, the SCEECICS
    XX*      and SCEERUN datasets are needed in DFHRPL.
    XX*      Refer to the Systems Definition Guide for
    XX*      information on how to run with the native
    XX*      runtime environments such as VS COBOL II.
    XX*      UPdated by jonathan to include new debug tool V130
    XX*****
14 XXDFHRPL DD DSN=OAKJ.CWI.LOADLIB,DISP=SHR
15 XX      DD DSN=OAKJ.APPW.LOADLIB,DISP=SHR
16 XX      DD DSN=OAKJ.APPW.PDSELIB,DISP=SHR
17 XX      DD DSN=OAK.CICSRPL.LOAD,DISP=SHR
18 XX      DD DSN=OAKJ.OAK22.LOADLIB,DISP=SHR
19 XX      DD DSN=OAKJ.OAK13.LOADLIB,DISP=SHR
20 XX      DD DSN=OAKJ.OAKWOOD.LOADLIB,DISP=SHR
21 XX      DD DSN=EQAL30.SEQAMOD,DISP=SHR
    XX*      DD DSN=OAKJ.BTS.LOADLIB,DISP=SHR
22 XX      DD DSN=&INDEX1..SDFHLOAD,DISP=SHR
          IEFC653I SUBSTITUTION JCL - DSN=CICSTS22.CICS.SDFHLOAD,DISP=SHR
23 XX      DD DSN=CEE.SCEECICS,DISP=SHR
24 XX      DD DSN=CEE.SCEERUN,DISP=SHR
25 XX      DD DSN=CSQ530.SCSQANLE,DISP=SHR
26 XX      DD DSN=CSQ530.SCSQCICS,DISP=SHR
27 XX      DD DSN=CSQ530.SCSQAUTH,DISP=SHR
28 XX      DD DSN=CSQ530.SCSQLOAD,DISP=SHR
    XX*      DD DSN=TCPIP.SEZALINK,DISP=SHR
    XX*      DD DSN=TCPIP.SEZATCP,DISP=SHR
29 XXSYSTCPD DD DISP=SHR,DSN=TCPIP.TCPIP.DATA
    XX*      the html lib
    XX*      the students library for cp class
30 XXOAKJ01 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ01
31 XXOAKJ02 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ02
32 XXOAKJ03 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ03
33 XXOAKJ04 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ04
34 XXOAKJ05 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ05
35 XXOAKJ06 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ06
36 XXOAKJ07 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ07
37 XXOAKJ08 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ08
38 XXOAKJ09 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ09
39 XXOAKJ10 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ10
40 XXOAKJ11 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ11
41 XXOAKJ12 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ12

```

```

42 XXOAKJ13 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ13
43 XXOAKJ14 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ14
44 XXOAKJ15 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ15
45 XXOAKJ16 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ16
46 XXOAKJ17 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ17
47 XXOAKJ18 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ18
48 XXOAKJ19 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ19
49 XXOAKJ20 DD DISP=SHR,DSN=OAKJ.TMP.OAKJ20
  XX*      dsb cp class fb 80 template
50 XXFBHHTML DD DISP=SHR,DSN=OAKWOOD.CWI.TEMPLATE
  XX*      dsb cp class vb 32k
51 XXDFHHTML DD DISP=SHR,DSN=OAKWOOD.OAKLE.TEMPLATE
52 XX      DD DISP=SHR,DSN=OAKWOOD.CWI22.TEMPLATE
  XX*      Jonathan's HTML Template
53 XXBTSHTML DD DSN=OAKWOOD.BTS.TEMPLATE,DISP=SHR
  XX*      dsb library for wml class
54 XXDFHWML DD DISP=SHR,DSN=OAKWOOD.WML.TEMPLATE
  XX*      Jonathan's library for wml class
  XX*      THE AUXILIARY TEMPORARY STORAGE DATASET
55 XXDFHTEMP DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHTEMP
  XX*      THE INTRAPARTITION DATASET
  IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=OAKWOOD.OAK22.DFHTEMP
56 XXDFHINTRA DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHINTRA
  XX*      THE AUXILIARY TRACE DATASETS
  IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=OAKWOOD.OAK22.DFHINTRA
57 XXDFHAUXT DD DISP=SHR,DCB=BUFNO=5,
  XX DSN=OAKWOOD.&INDEX2..DFHAUXT
  IEFC653I SUBSTITUTION JCL -
DISP=SHR,DCB=BUFNO=5,DSN=OAKWOOD.OAK22.DFHAUXT
58 XXDFHBUXT DD DISP=SHR,DCB=BUFNO=5,
  XX DSN=OAKWOOD.&INDEX2..DFHBUXT
  XX*
  XX*      THE EJB files
  XX*
  IEFC653I SUBSTITUTION JCL -
DISP=SHR,DCB=BUFNO=5,DSN=OAKWOOD.OAK22.DFHBUXT
59 XXDFHEJOS DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHEJOS
  XX*
  IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=OAKWOOD.OAK22.DFHEJOS
60 XXDFHEJDIR DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHEJDIR
  XX*
  XX*      THE CICS LOCAL CATALOG DATASET
  IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=OAKWOOD.OAK22.DFHEJDIR
61 XXDFHLCD DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHLCD
  XX*      THE CICS GLOBAL CATALOG DATASET
  IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=OAKWOOD.OAK22.DFHLCD

```

```
62 XXDFHGCD DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHGCD
  XX* AMP=( 'BUFND=5, BUFNI=20, BUFSP=122880' )
  XX* THE CICS LOCAL REQUEST QUEUE DATASET
  IEFC653I SUBSTITUTION JCL - DISP=SHR, DSN=OAKWOOD.OAK22.DFHGCD
63 XXDFHHTML DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHHTML
  IEFC653I SUBSTITUTION JCL - DISP=SHR, DSN=OAKWOOD.OAK22.DFHHTML
64 XXDFHLRQ DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHLRQ
  XX* DATASETS FOR JVM SUPPORT
  IEFC653I SUBSTITUTION JCL - DISP=SHR, DSN=OAKWOOD.OAK22.DFHLRQ
65 XXDFHJVM DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..SDFHENV
  XX* EXTRAPARTITION DATASETS
  IEFC653I SUBSTITUTION JCL - DISP=SHR, DSN=OAKWOOD.OAK22.SDFHENV
66 XXDFHCXRF DD SYSOUT=&OUTC
  IEFC653I SUBSTITUTION JCL - SYSOUT=*
67 XXLOGUSR DD SYSOUT=&OUTC, DCB=(DSORG=PS, RECFM=V, BLKSIZE=136)
  IEFC653I SUBSTITUTION JCL - SYSOUT=*, DCB=(DSORG=PS, RECFM=V, BLKSIZE=136)
68 XXMSGUSR DD SYSOUT=&OUTC, DCB=(DSORG=PS, RECFM=V, BLKSIZE=136)
  IEFC653I SUBSTITUTION JCL - SYSOUT=*, DCB=(DSORG=PS, RECFM=V, BLKSIZE=136)
69 XXCEEMSG DD SYSOUT=&OUTC
  IEFC653I SUBSTITUTION JCL - SYSOUT=*
70 XXCEEOUT DD SYSOUT=&OUTC
  XX* THE DUMP DATASETS
  IEFC653I SUBSTITUTION JCL - SYSOUT=*
71 XXDFHDMPA DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHDMPA
  IEFC653I SUBSTITUTION JCL - DISP=SHR, DSN=OAKWOOD.OAK22.DFHDMPA
72 XXDFHDMPB DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHDMPB
  IEFC653I SUBSTITUTION JCL - DISP=SHR, DSN=OAKWOOD.OAK22.DFHDMPB
73 XXSYSABEND DD SYSOUT=&OUTC
  IEFC653I SUBSTITUTION JCL - SYSOUT=*
74 XXSYSPRINT DD SYSOUT=&OUTC
  IEFC653I SUBSTITUTION JCL - SYSOUT=*
75 XXPRINTER DD SYSOUT=&OUTC, DCB=BLKSIZE=121
  XX* THE CICS SYSTEM DEFINITION DATASET
  IEFC653I SUBSTITUTION JCL - SYSOUT=*, DCB=BLKSIZE=121
76 XXDFHCSD DD DISP=SHR,
  XX DSN=OAKWOOD.&INDEX2..DFHCSD
  IEFC653I SUBSTITUTION JCL - DISP=SHR, DSN=OAKWOOD.OAK22.DFHCSD
STMT NO. MESSAGE
  2 IEFC001I PROCEDURE CICSTS02 WAS EXPANDED USING SYSTEM LIBRARY
USER.PROCLIB
```

## Appendix 2: Startup messages

```

DFHPA1101 OAKJTS02 DFHSIT   IS BEING LOADED.
DFHPA1108 OAKJTS02 DFHSIT   HAS BEEN LOADED. (GENERATED AT: MM/DD= 08/28 HH:MM= 13:10).
DFHPA1100 OAKJTS02 OVERRIDE PARAMETERS FROM JCL EXEC STATEMENT: START=INITIAL,SYSIN
DFHPA1102 OAKJTS02 OVERRIDE PARAMETERS FROM SYSIN:
DFHPA1927 OAKJTS02 * *****
DFHPA1927 OAKJTS02 * Jonathan's test deck with RRX and JAVA
DFHPA1927 OAKJTS02 * *****
DFHPA1927 OAKJTS02 APPLID=(OAKJTS02,OAKJTS02) THE APPLID OF THE TOR
DFHPA1927 OAKJTS02 TCPIP=YES,
DFHPA1927 OAKJTS02 CICSSVC=216,           The default CICS SVC number
DFHPA1927 OAKJTS02 DFLTUSER=CICSTS02,
DFHPA1927 OAKJTS02 CSDSTRNO=16,
DFHPA1927 OAKJTS02 AKPFREQ=200,
DFHPA1927 OAKJTS02 DB2CONN=YES,
DFHPA1927 OAKJTS02 TS=(,100,50),
DFHPA1927 OAKJTS02 MQCONN=yes,
DFHPA1927 OAKJTS02 INITPARM=(CSQCPARM='SN=QCBA,TN=001,IQ=CICS01.INITQ'),
DFHPA1927 OAKJTS02 * KEYRING=Jonathan.Clarke
DFHPA1927 OAKJTS02 IIOPLISTENER=NO,
DFHPA1927 OAKJTS02 AUTODST=YES,
DFHPA1927 OAKJTS02 DSRTPGM=DFHDSRP,
DFHPA1927 OAKJTS02 GRPLIST=(CICSTS22,DFHLIST)
DFHPA1927 OAKJTS02 GMTEXT='Oakwood Computing Ltd CICS/TS 2.2'
DFHPA1927 OAKJTS02 * The IRC & ISC parameters required for MRO
DFHPA1927 OAKJTS02 IRCSTRT=YES           Start interregion communication
DFHPA1927 OAKJTS02 ISC=YES             Include the intersystem communication progrm
DFHPA1927 OAKJTS02 MAXOPENTCBS=20,
DFHPA1927 OAKJTS02 FEPI=NO,,
DFHPA1927 OAKJTS02 SUBTSKS=1,
DFHPA1927 OAKJTS02 FORCEQR=NO,
DFHPA1927 OAKJTS02 SSLTCBS=15,
DFHPA1927 OAKJTS02 SSLDELAY=86400,
DFHPA1927 OAKJTS02 ENCRYPTION=normal,
DFHPA1927 OAKJTS02 AUXTR=ON,           The default CICS SVC number
DFHPA1927 OAKJTS02 DUMP=NO,          NO DUMPS
DFHPA1927 OAKJTS02 EDSALIM=100M,
DFHPA1927 OAKJTS02 FCT=NO           No file control table (using RDO for files)
DFHPA1927 OAKJTS02 * ssL=NO
DFHPA1927 OAKJTS02 MXT=32           Set maximum tasks to 32
DFHPA1927 OAKJTS02 SRT=1$         The CICS sample system recovery table
DFHPA1927 OAKJTS02 SYSIDNT=MICA    System identifier of the TOR
DFHPA1927 OAKJTS02 TCT=NO         Dummy TCT for autoinstalled VTAM terminals
DFHPA1927 OAKJTS02 PGAIPGM=ACTIVE,
DFHPA1927 OAKJTS02 PGRET=P/,
DFHPA1927 OAKJTS02 PGPURGE=T/,
DFHPA1927 OAKJTS02 PGCOPY=C/,
DFHPA1927 OAKJTS02 PGCHAIN=X/,
DFHPA1927 OAKJTS02 STATRCD=ON,
DFHPA1927 OAKJTS02 MN=ON,
DFHPA1927 OAKJTS02 MNPER=ON,
DFHPA1927 OAKJTS02 MNSYNC=YES,
DFHPA1927 OAKJTS02 TRTABSZ=200,
DFHPA1927 OAKJTS02 RRMS=YES,
DFHPA1927 OAKJTS02 STGPROT=YES,
DFHPA1927 OAKJTS02 RENTPGM=PROTECT,
DFHPA1927 OAKJTS02 TRANISO=NO,
DFHPA1927 OAKJTS02 STNTR=off,

```

```
DFHPPA1927 OAKJTS02 TCT=NO                               Dummy TCT for autoinstalled VTAM terminals
DFHPPA1927 OAKJTS02 XCMD=NO,
DFHPPA1927 OAKJTS02 XDCT=NO,
DFHPPA1927 OAKJTS02 XEJB=NO,
DFHPPA1927 OAKJTS02 XFCT=NO,
DFHPPA1927 OAKJTS02 XJCT=NO,
DFHPPA1927 OAKJTS02 XPCT=NO,
DFHPPA1927 OAKJTS02 XPPT=NO,
DFHPPA1927 OAKJTS02 XPSB=NO,
DFHPPA1927 OAKJTS02 XTRAN=NO,
DFHPPA1927 OAKJTS02 XTST=NO,
DFHPPA1927 OAKJTS02 XUSER=NO,
DFHPPA1927 OAKJTS02 XRF=NO,
DFHPPA1927 OAKJTS02 SEC=YES,
DFHPPA1927 OAKJTS02 SPOOL=YES,
DFHPPA1927 OAKJTS02 .END
DFHPPA1103 OAKJTS02 END OF FILE ON SYSIN.
DFHTR0103 TRACE TABLE SIZE IS 200K
DFHSM0122I OAKJTS02 Limit of DSA storage below 16MB is 5,120K.
DFHSM0123I OAKJTS02 Limit of DSA storage above 16MB is 100M.
DFHSM0115I OAKJTS02 Storage protection is active.
DFHSM0126I OAKJTS02 Transaction isolation is not active.
ICH408I USER(CICSTS02) GROUP(#OAK      ) NAME(CICS STARTED TASK  )
      EQA130.SEQAMOD CL(DATASET ) VOL(Z4RES2)
      WARNING: RESOURCE NOT PROTECTED
      ACCESS INTENT(READ  ) ACCESS ALLOWED(READ  )
DFHDM0101I OAKJTS02 CICS is initializing.
DFHSO0100I OAKJTS02 Sockets domain initialization has started.
DFHRX0100I OAKJTS02 RX domain initialization has started.
DFHLG0101I OAKJTS02 Log manager domain initialization has started.
DFHEJ0101 OAKJTS02
Enterprise Java domain initialization has started. Java is a
trademark of Sun Microsystems, Inc.
DFHDH0100I OAKJTS02 Document domain initialization has started.
DFHRX0104I OAKJTS02 The Resource Recovery Services (RRS) exit manager ATR.EXITMGR.IBM is now
available.
DFHWB0109I OAKJTS02 Web domain initialization has started.
DFHXS1100I OAKJTS02 Security initialization has started.
DFHRX0101I OAKJTS02 RX domain initialization has ended.
DFHSI1500 OAKJTS02 CICS startup is in progress for CICS Transaction Server Version 2.2.0
DFHXS1103I OAKJTS02 Default security for userid CICSTS02 has been established.
DFHSI1501I OAKJTS02 Loading CICS nucleus.
DFHDU0304I OAKJTS02 Transaction Dump Data set DFHDMPA opened.
DFHTR0113 OAKJTS02 Auxiliary trace is being started on data set DFHAUXT.
DFHXS1101I OAKJTS02 Security initialization has ended.
DFHWB0110I OAKJTS02 Web domain initialization has ended.
DFHSO0124 OAKJTS02
The MAXSOCKETS system initialization parameter has a value of 65,535
which exceeds the MAXFILEPROC value of 400. The MAXSOCKETS value has
been set to the lower value.
DFHMN0105I OAKJTS02 Using default Monitoring Control Table.
DFHMN0109I OAKJTS02 CICS Monitoring is active.
DFHDH0101I OAKJTS02 Document domain initialization has ended.
DFHSI1502I OAKJTS02 CICS startup is Initial.
DFHTS0100I OAKJTS02 Temporary Storage initialization has started.
DFHLG0102I OAKJTS02 Log manager domain initialization has ended.
DFHSI1503I OAKJTS02 Terminal data sets are being opened.
DFHCP0101I OAKJTS02 CPI initialization has started.
DFHPR0104I OAKJTS02 Partner resource manager initialization has started.
DFHAI0101I OAKJTS02 AITM initialization has started.
DFHTS0101I OAKJTS02 Temporary Storage initialization has ended.
```

```
DFHFC0100I OAKJTS02 File Control initialization has started.
DFHTD0100I OAKJTS02 Transient Data initialization has started.
DFHTD0101I OAKJTS02 Transient Data initialization has ended.
DFHFC0101I OAKJTS02 File Control initialization has ended.
DFHCP0102I OAKJTS02 CPI initialization has ended.
DFHPR0105I OAKJTS02 Partner resource manager initialization has ended.
DFHAI0102I OAKJTS02 AITM initialization has ended.
DFHSI1511I OAKJTS02 Installing group list CICSTS22.
DFHAM4905 E OAKJTS02 Install failed for DACSSL. Option SSL(YES) is not available on this
system.
DFHST0103 OAKJTS02 An SMF error has occurred with return code X'10'.
DFHTD0250 OAKJTS02 Dynamic allocation of queue TM01 failed. Return code X'00000004',X'1708'
in module DFHTDOC.
DFHAM4897 W OAKJTS02 The definition of TDQUEUE TM01 specified OPENTIME=INITIAL but the open
failed.
IEF237I JES2 ALLOCATED TO IEINTRDR
DFHAM4909 E OAKJTS02 Install of DOCTEMPLATE SNAVCN6 failed. DDNAME(CICSTS02) not found.
DFHAM4909 E OAKJTS02 Install of DOCTEMPLATE TOCFRAME failed. DDNAME(CICSTS02) not found.
DFHAM4909 E OAKJTS02 Install of DOCTEMPLATE TOCFRAM2 failed. DDNAME(CICSTS02) not found.
DFHAM4910 E OAKJTS02 Install of DOCTEMPLATE XMLSTU02 failed. MEMBER(XMLSTU02) not found in
OAKJ.TMP.OAKJ02.
DFHAM4910 E OAKJTS02 Install of DOCTEMPLATE XMLTMP02 failed. MEMBER(XMLTMP02) not found in
OAKJ.TMP.OAKJ02.
DFHSI1511I OAKJTS02 Installing group list DFHLIST.
IEF237I JES2 ALLOCATED TO CAFF
IEF237I JES2 ALLOCATED TO COUT
IEF237I JES2 ALLOCATED TO PLIMSG
IEF237I JES2 ALLOCATED TO CRPO
DFHLG0103I OAKJTS02 System log (DFHLOG) initialization has started.
DFHLG0104I OAKJTS02
System log (DFHLOG) initialization has ended. Log stream
CICSTS02.OAKJTS02.DFHLOG is connected to structure *****.
DFHLG0103I OAKJTS02 System log (DFHSHUNT) initialization has started.
DFHLG0104I OAKJTS02
System log (DFHSHUNT) initialization has ended. Log stream
CICSTS02.OAKJTS02.DFHSHUNT is connected to structure
*****.
DFHRX0106I OAKJTS02 Restart processing with Resource Recovery Services (RRS) is beginning.
DFHRX0107I OAKJTS02 Restart processing with Resource Recovery Services (RRS) has ended.
DFHSI1519I OAKJTS02 The interregion communication session was successfully started.
DFHAP1203I OAKJTS02 Language Environment is being initialized.
DFHSO0101I OAKJTS02 Sockets domain initialization has ended.
DFHWB1007 OAKJTS02 Initializing CICS Web environment.
IGD103I SMS ALLOCATED TO DDNAME SYS00001
IEC104I 0000000A,CICSTS02,CICSTS02,SYS00001-000,BPX1OPN ,006F,5B4C0002
IEC141I 013-C0,IGG0199G,CICSTS02,CICSTS02,SYS00001
IGD104I HFS FILE WAS RETAINED, DDNAME IS (SYS00001)
FILENAME IS (/etc/resolv.conf)
IEF237I OA80 ALLOCATED TO SYS00003
IEF285I TCPIP.STANDARD.TCPXLBIN KEPT
IEF285I VOL SER NOS= Z4RES1.
IGD103I SMS ALLOCATED TO DDNAME SYS00004
IGD104I HFS FILE WAS RETAINED, DDNAME IS (SYS00004)
FILENAME IS (/etc/hosts)
DFHWB1008 OAKJTS02 CICS Web environment initialization is complete.
DFHSI8440I OAKJTS02 Initiating connection to DB2.
DFHDB2023I 06/19/2003 18:55:40 OAKJTS02 The CICS-DB2 attachment has connected to DB2
subsystem DSN1
DFHSI8441I OAKJTS02 Connection to DB2 DSN1 successfully completed.
DFHSI8440I OAKJTS02 Initiating connection to MQ.
DFHSI8443 OAKJTS02 Connection to MQ not completed. Adapter is awaiting initialization of MQ.
```

DFHSI1517 OAKJTS02 Control is being given to CICS.  
DFHEJ0102 OAKJTS02 Enterprise Java domain initialization has ended.  
DFHMN0101 OAKJTS02 SMF error - SMF return code X'10'.  
DFHFC0952 OAKJTS02  
Dynamic allocation of Non-RLS file EZACACHE failed. Return code  
X'0004',X'1708' in module DFHFCFS.  
DFHFC0955 OAKJTS02 Associated data set is OAKJ.TCP.CACHE. Module DFHFCFS.  
DFHFC0952 OAKJTS02  
Dynamic allocation of Non-RLS file EZACONFG failed. Return code  
X'0004',X'1708' in module DFHFCFS.  
DFHFC0955 OAKJTS02 Associated data set is OAKJ.TCP.CONFIG. Module DFHFCFS.  
DFHFC0952 OAKJTS02  
Dynamic allocation of Non-RLS file HTMLFILE failed. Return code  
X'0004',X'1708' in module DFHFCFS.  
DFHFC0955 OAKJTS02 Associated data set is CICSTS13.CICS.HTM1. Module DFHFCFS.  
DFHFC0952 OAKJTS02  
Dynamic allocation of Non-RLS file SYADPAY failed. Return code  
X'0004',X'1708' in module DFHFCFS.  
DFHFC0955 OAKJTS02 Associated data set is OAKJ.APPW.SYADPAY. Module DFHFCFS.  
DFHFC0952 OAKJTS02  
Dynamic allocation of Non-RLS file WEBREQF failed. Return code  
X'0004',X'1708' in module DFHFCFS.  
DFHFC0955 OAKJTS02 Associated data set is OAKJ.CICA.WEBREQF. Module DFHFCFS.  
IGD103I SMS ALLOCATED TO DDNAME DACPAY1

## Appendix 3: Resource messages

DFHPG0210 06/19/2003 18:54:55 OAKJTS02 CICSTS02 CSSY PPT entry for DFHTAJP has been system autoinstalled.

DFHFC0202 06/19/2003 18:55:00 OAKJTS02 CICSTS02 CSSY FCT entry for JCPAY1 has been added.

DFHXM0201 06/19/2003 18:55:00 OAKJTS02 CICSTS02 CSSY TRANCLASS definition entry for RESTRICT has been added.

DFHXM0101 06/19/2003 18:55:00 OAKJTS02 CICSTS02 CSSY TRANSACTION definition entry for ADDR has been added.

DFHNQ0101 06/19/2003 18:55:00 OAKJTS02 ENQMODEL DACENQ has been installed.

DFHDB2101 06/19/2003 18:55:00 OAKJTS02 CICSTS02 CSSY DB2CONN DSN1 has been added.

DFHDB2104 06/19/2003 18:55:00 OAKJTS02 CICSTS02 CSSY DB2ENTRY DACENTRY has been added.

DFHDB2107 06/19/2003 18:55:00 OAKJTS02 CICSTS02 CSSY DB2TRAN DFHDAC1 has been added.

DFHDB2107 06/19/2003 18:55:00 OAKJTS02 CICSTS02 CSSY DB2TRAN DACTRAN has been added.

DFHTS0104 06/19/2003 18:55:00 OAKJTS02 CICSTS02 CSSY TSMODEL entry for TESTMODE has been added.

DFHDH0105 06/19/2003 18:55:01 OAKJTS02 Document template definition CICSFDF1 has been added as PDS-MEMBER(CICSFDF1) with template name CICSFDF1.

DFHTD0402 06/19/2003 18:55:06 OAKJTS02 CICSTS02 CSSY TDQUEUE entry for JC01 has been added.

DFHFC0205 06/19/2003 18:55:12 OAKJTS02 CICSTS02 CSSY SHRCTL block for LSR pool 1 has been updated.

DFHAM4893 I 06/19/2003 18:55:18 OAKJTS02 Install for group OAKCICS has completed successfully.

DFHAI0202 06/19/2003 18:55:21 OAKJTS02 Terminal Model DFH3270 has been installed.

DFHLG0401 06/19/2003 18:55:22 OAKJTS02 Journal model resource DFHLOG has been installed.

DFHTS0104 06/19/2003 18:55:22 OAKJTS02 CICSTS02 CSSY TSMODEL entry for DFHWEB has been added.

DFHLG0302 06/19/2003 18:55:25 OAKJTS02 Journal name DFHLOG has been installed. Journal type: MVS  
CICSTS02.OAKJTS02.DFHLOG.

DFHLG0744 06/19/2003 18:55:26 OAKJTS02 All records in log stream CICSTS02.OAKJTS02.DFHLOG have been deleted.

DFHPG0209 06/19/2003 18:55:36 OAKJTS02 CICSTS02 CSSY PPT entry for IBMBPSLA has been autoinstalled using model DFHPGAPG.

DFHSO0107 06/19/2003 18:55:39 OAKJTS02 TCPIPSERVICE DACTCPIP has been opened on port 07000 at IP address 193.123.123.234.

DFHDB2023I 06/19/2003 18:55:40 OAKJTS02 The CICS-DB2 attachment has connected to DB2 subsystem DSN1