



Summer University 2006

CICS Supplied Transactions

Little big Helpers in CICS

Isabel Arnold
IBM Technical Sales zSoftware
isabel.arnold@de.ibm.com

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Why do you need them

- Control the system and its resources
- Examine and alter the tables that contain the definitions of resources, such as transactions
- Change parameters used by some of the CICS programs, for example the maximum number of tasks allowed
- Test programs and look up message explanations
- Initiate other system actions, such as starting and stopping database connections

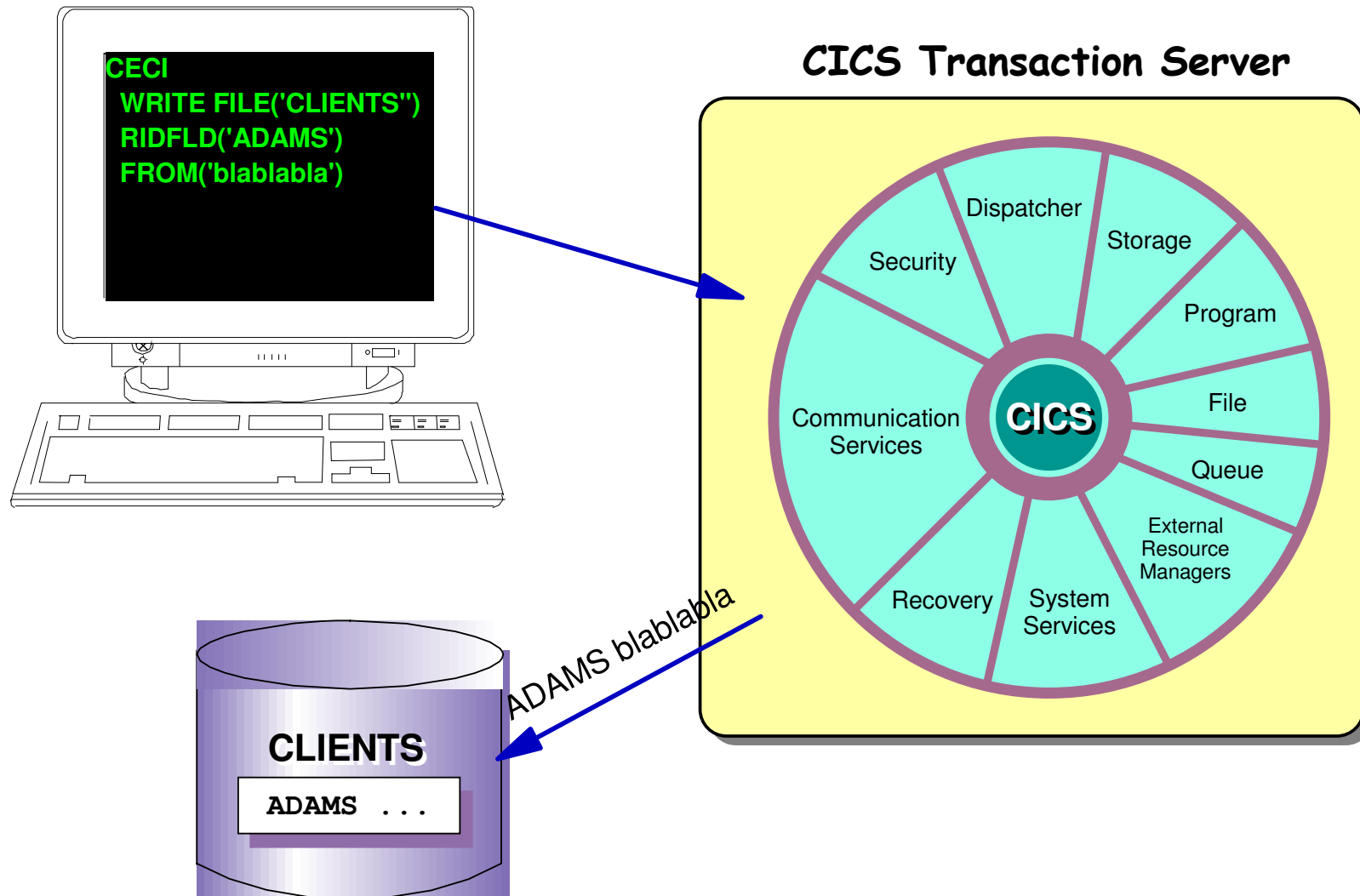
Transactions (1/2)

Function	CICS-supplied Transaction
Sign On	CESN
Sign Off	CESF
CICS resources control	CEMT
Terminal status	CEOT
Message switching	CMSG
Resource Definition Online (RDO)	CEDA CEDB CEDC
Manage EJB resources	CREA
Kill hung tasks	CEKL

Transactions (1/2)

Function	CICS-supplied Transaction
Processing and Debugging Programs	CMAC CECI CEBR CEDF CEDX
Database Control Inquiry	CDBI
Database Control Interface	CDBM
Database Control Menu	CDBC
CICS DB2 Interface	DSNC or CEMT

Executing CICS Commands (CECI)



CECI LOAD PROGRAM

LOAD PROGRAM(TIMEZONE)

STATUS: COMMAND EXECUTION COMPLETE

NAME=

EXEC CICS LOAd

Program('TIMEZONE')

< Set(X'1F800000') >

< Length() ! Flength(+0000005152) >

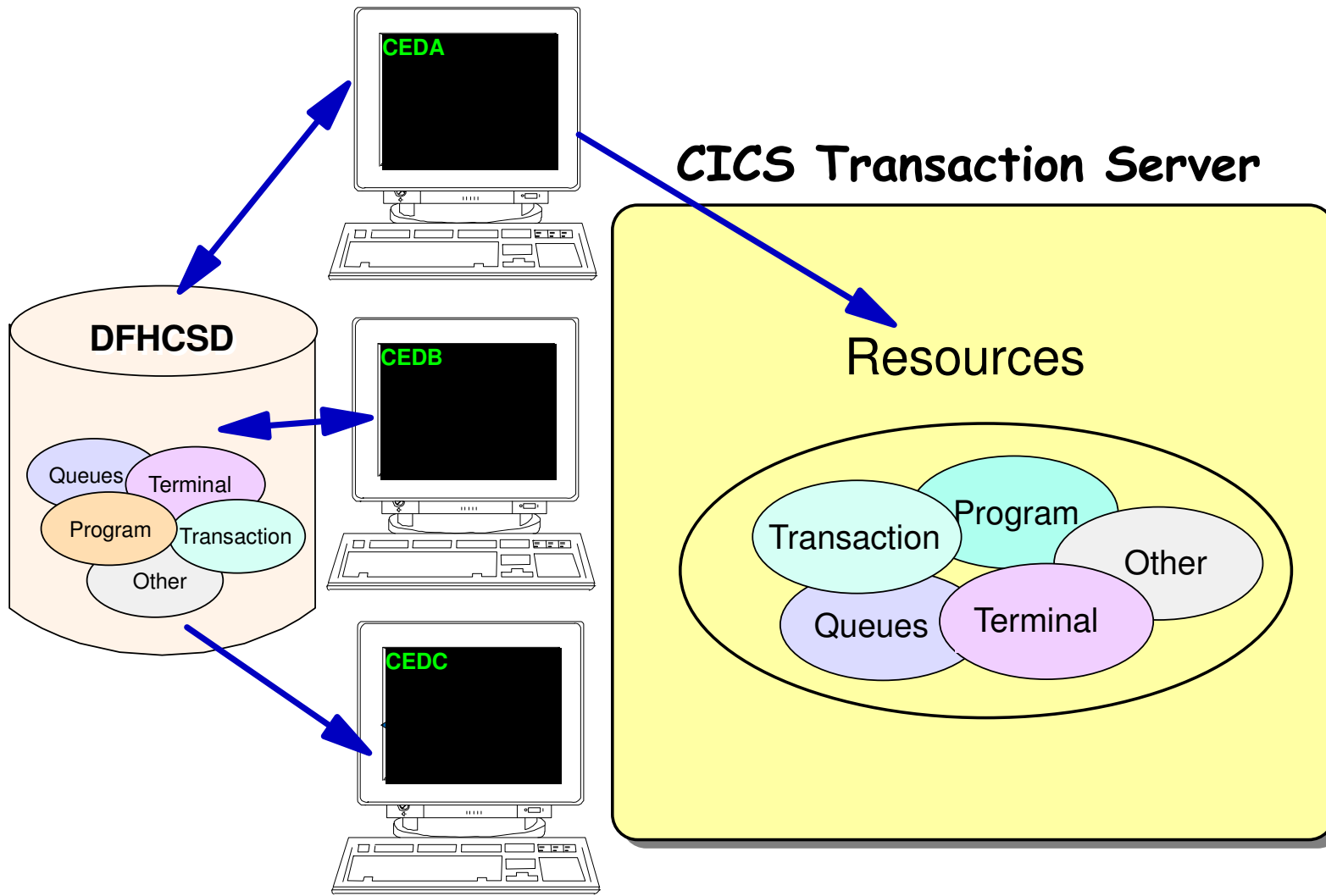
< Entry(X'9F800000') >

< Hold >

RESPONSE: NORMAL

EIBRESP=+0000000000 EIBRESP2=+0000000000

Managing Resource Definitions



CEDA Menu

ENTER ONE OF THE FOLLOWING

ADd
ALter
APpend
CHeck
COpy
DEFine
DELeTe
DISplay
EXpand
Install
Lock
Move
REMOve
REName
UNlock
USerdefine
View

SYSID=TS31 APPLID=CICS640

PF 1 HELP

3 END

5 VAR

9 MSG

CEDA Define Menu

DEF

ENTER ONE OF THE FOLLOWING

CONnection	PROGram
CORbaserver	Requestmodel
DB2Conn	Sessions
DB2Entry	TCpipservice
DB2Tran	TDqueue
DJar	TERminal
DOctemplate	TRANClass
Enqmodel	TRANSACTION
File	TSmodel
Journalmodel	TYpeterm
Lsrpool	Urimap
Mapset	Webservice
PARTitionset	
PARTNer	
PIpeline	
PROcesstype	
PROFile	

SYSID=TS31 APPLID=CICS640

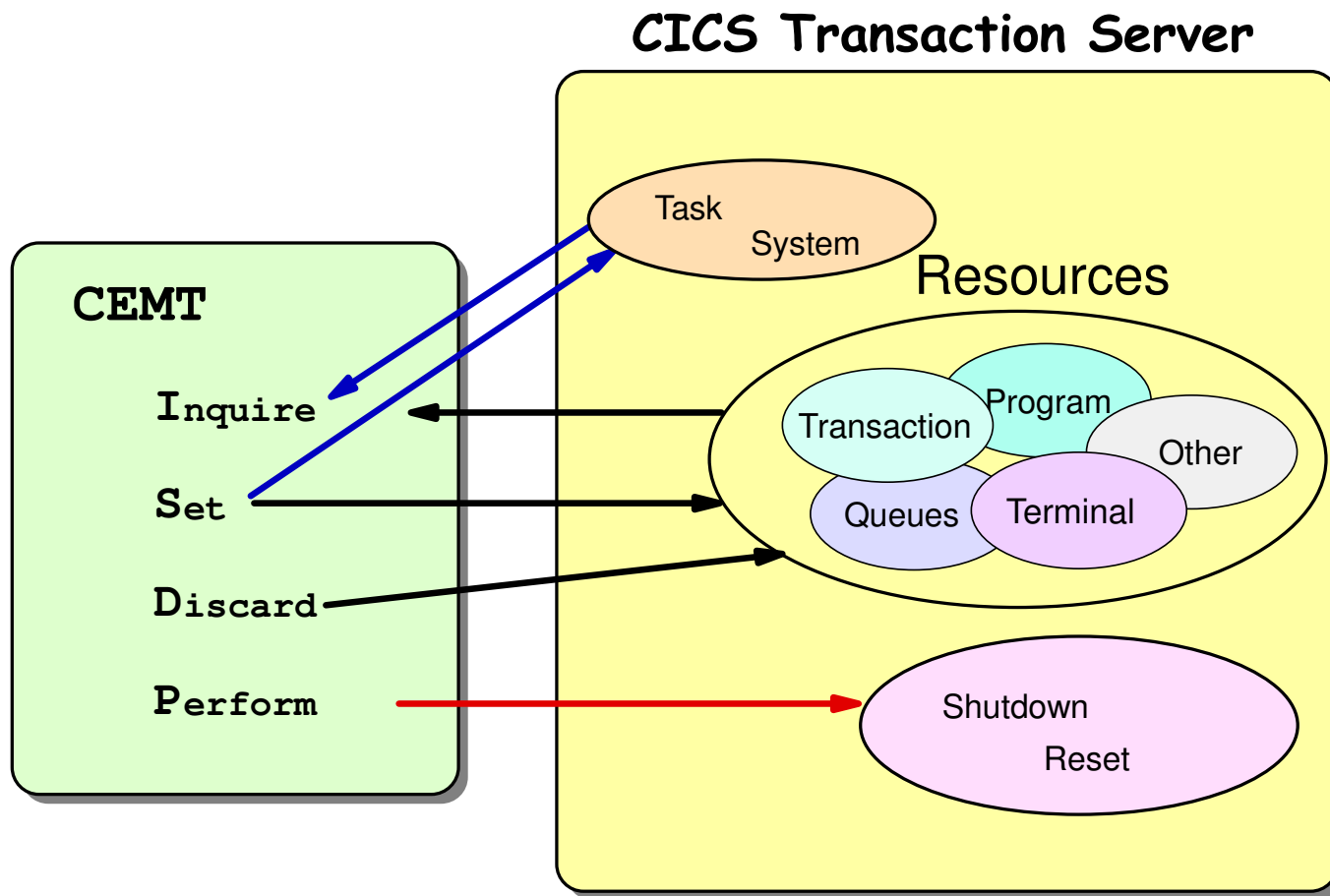
PF 1 HELP

3 END

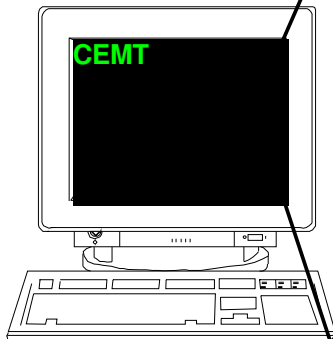
5 VAR

9 MSG

Monitoring and Controlling the System (CEMT)



CEMT Menu



STATUS: ENTER ONE OF THE FOLLOWING

Discard
Inquire
Perform
Set

SYSID=TS31 APPLID=CICS640

PF 1 HELP

3 END

5 VAR

9 MSG

CEMT Inquiry Menu

I

STATUS: ENTER ONE OF THE FOLLOWING OR HIT ENTER FOR DEFAULT

AUTInstmodel	DSName	JVM	TASk	WEBSservice
AUTOinstall	DUmpds	JVMPool	TCLass	WOrkrequest
AUXtrace	ENQ	Line	TCPIP	
BEan	ENQModel	MODename	TCPIPService	
BRfacility	EXci	MONitor	TDqueue	
CFdtpool	FEConnection	Netname	TERminal	
CLasscache	FENode	PARTner	TRAnSACTION	
CONNECTION	FEPOOL	PIpeline	TRDumpcode	
CORbaserver	FEPropset	PROcesstype	TSMODEL	
DB2Conn	FETarget	PROFile	TSPool	
DB2Entry	File	PROGram	TSQueue	
DB2Tran	Gtfttrace	REquestmodel	UOW	
DEletshipped	Host	RRms	UOWDsnfail	
DISpatcher	INTtrace	STATistics	UOWLInk	
DJar	IRc	STReamname	URimap	
DOctemplate	JModel	SYDumpcode	Vtam	
DSAs	JOurnalname	SYStem	WEB	

SYSID=TS31 APPLID=CICS640

PF 1 **HELP**

3 **END**

5 **VAR**

9 **MSG**

CEMT Transaction Inquiry

I TRANS (CEMT)

STATUS: RESULTS - OVERTYPE TO MODIFY

Tra(CEMT) Pri(255) Pro(DFHEMTP) Tcl(DFHTCL00) Ena Sta
Prf(DFHCICST) Cda Bel Iso Bac Wai

SYSID=TS31 APPLID=CICS640

RESPONSE: NORMAL

TIME: 11.34.49 DATE: 05.17.05

PF 1 HELP 3 END 5 VAR 7 SBH 8 SFH 9 MSG 10 SB 11 SF

CEMT Changing Resource Properties

I TRANS (CEMT)

STATUS: RESULTS - OVERTYPE TO MODIFY

Tra(CEMT) Pri(255) Pro(DFHEMTP) Tcl(CEMTMAX) Ena Sta
Prf(DFHCICST) Cda Bel Iso Bac Wai

RESPONSE: NORMAL
PF 1 HELP 3 END 5 VAR 7 SBH 8 SFH 9 MSG 10 SB 11 SF

SYSID=TS31 APPLID=CICS640
TIME: 11.34.49 DATE: 05.17.05

CEMT Program New Copy

S PROG(WBCUSB99)

STATUS: RESULTS - OVERTYPE TO MODIFY

Prog(WBCUSB99) Leng(000007608) Pro Ena Pri Ced NORMAL
Res(000) Use(0000000002) Bel Uex Ful Qua Cic

SYSID=TS31 APPLID=CICS640

RESPONSE: NORMAL

TIME: 11.40.32 DATE: 05.17.05

PF 1 HELP 3 END 5 VAR 7 SBH 8 SFH 9 MSG 10 SB 11 SF

CEMT Discarding a Resource

```
I FI(WB*)
STATUS: RESULTS - OVERTYPE TO MODIFY
Fil(WBVSCUST) Vsa Ope Ena Rea Upd Add Bro Del      Sha
           Dsn( WEBI.VSAM.CUSTFILE                )
D Fil(WBREAD  ) Vsa Clo Dis Rea                    Sha
           Dsn( WEBI.VSAM.READONLY.FILE           )

                                           SYSID=TS31 APPLID=CICS640
RESPONSE: NORMAL                          TIME: 11.42.13 DATE: 05.17.05
PF 1 HELP      3 END      5 VAR      7 SBH 8 SFH 9 MSG 10 SB 11 SF
```


CEMT Inquiring on common characteristics

```

I FI CLO
STATUS: RESULTS - OVERTYPE TO MODIFY
Fil(FILEA  ) Vsa Clo Une Rea Upd Add Bro Del      Sha
      Dsn( FILEA.SAMPLE FILE                      )
Fil(WBREAD ) Vsa Clo Dis Rea                      Sha
      Dsn( WEBI.VSAM.READONLY.FILE                )

                                     SYSID=TS31 APPLID=CICS640
RESPONSE: NORMAL                      TIME: 11.43.21 DATE: 05.17.05
PF 1 HELP      3 END      5 VAR      7 SBH 8 SFH 9 MSG 10 SB 11 SF

```

```

I TRA(CAT*) PRI(255)
STATUS: RESULTS - OVERTYPE TO MODIFY
Tra(CATA) Pri( 255 ) Pro( DFHZATA ) Tcl( DFHTCL00 ) Ena Sta
...
Tra(CATC) Pri( 255 ) Pro( DFHZATC ) Tcl( DFHTCL00 ) Ena Sta
...
Tra(CATD) Pri( 255 ) Pro( DFHZATD ) Tcl( DFHTCL00 ) Ena Sta
...

                                     SYSID=TS31 APPLID=CICS640
RESPONSE: NORMAL                      TIME: 11.43.54 DATE: 05.17.05
PF 1 HELP      3 END      5 VAR      7 SBH 8 SFH 9 MSG 10 SB 11 SF

```

CEMT Perform

```
P
STATUS:  RESULTS - OVERTYPE TO MODIFY
Classcache
COrbaserver
DEletshipped
DJar
DUmp
Endaffinity
Pipeline
Reset
SEcurity
SHUTdown
SNap
STatistics

                                SYSID=TS31 APPLID=CICS640
RESPONSE: NORMAL                TIME:  11.50.10  DATE: 05.17.05
PF 1 HELP   3 END   5 VAR   7 SBH 8 SFH 9 MSG 10 SB 11 SF
```

CEMT Perform Pipeline Scan

PERFORM PIPELINE (PIPEARN) SCAN

STATUS: RESULTS

Pip(PIPEARN) Sca

RESPONSE: NORMAL

SYSID=CICS APPLID=CICS1

TIME: 20.00.23 DATE: 08.22.06

PF 1 HELP

3 END

5 VAR

7 SBH 8 SFH 9 MSG 10 SB 11 SF