

**COLLECTING
AND ANALYSING
CICS
STATISTICS**



Type in your choices. When finished, press ENTER.

Item	Choice	Possible choices
Monitoring Status	====> on	ON, OFF
Exception Class	====> OFF	ON, OFF
Performance Class	====> OFF	ON, OFF
Resource Class	====> OFF	ON, OFF
Identity Class	====> OFF	ON, OFF
DPL Resource Limit	====> 0	0, 1-64 DPLs
File Resource Limit	====> 8	0, 1-64 Files
Tsqueue Resource Limit	====> 8	0, 1-64 Tsqueues
Compression Status	====> YES	No, Yes
Converse Status	====> NO	No, Yes
Syncpoint Status	====> NO	No, Yes



EXP GR(DFH\$STAT)

ENTER COMMANDS

NAME	TYPE	GROUP	LAST CHANGE
+ DFH0STDB	PROGRAM	DFH\$STAT	02/04/16 17:49:10
DFH0STEJ	PROGRAM	DFH\$STAT	02/04/16 17:49:10
DFH0STEP	PROGRAM	DFH\$STAT	02/04/16 17:49:10
DFH0STGN	PROGRAM	DFH\$STAT	02/04/16 17:49:10
DFH0STLK	PROGRAM	DFH\$STAT	02/04/16 17:49:10
DFH0STPR	PROGRAM	DFH\$STAT	02/04/16 17:49:10
DFH0STSA	PROGRAM	DFH\$STAT	02/04/16 17:49:10
DFH0STSY	PROGRAM	DFH\$STAT	02/04/16 17:49:10
DFH0STTP	PROGRAM	DFH\$STAT	02/04/16 17:49:10
DFH0STTS	PROGRAM	DFH\$STAT	02/04/16 17:49:10
DFH0STWB	PROGRAM	DFH\$STAT	02/04/16 17:49:10
STAT	TRANSACTION	DFH\$STAT	02/04/16 17:49:10

SYSID=S700 APPLID=CICSTS53

RESULTS: 9 TO 20 OF 20

TIME: 01.19.28 DATE: 09/22/21



I STAT

STATUS: RESULTS - OVERTYPE TO MODIFY

Sta On Int(010000) End(000000) Nex(020000) NORMAL

SYSID=S700 APPLID=CICSTS53

RESPONSE: NORMAL

TIME: 01.22.08 DATE: 09/22/21



Sample Program - CICS Statistics Print

09/22/2021 01:23:43

Type in destination fields if required. Press Enter to print

Jobname . . . : CICSTS53

Applid . . . : CICSTS53

Sysid. . . . : S700

Node * Type in a valid Node. * is default

Userid * Type in a valid Userid. * is default

Class. A Type in a valid Class. A is default

Abbreviated. . B Type U or N for abbreviated report. B is default

Current Statistics Settings

Statistics Recording. : ON Collection Interval . . . : 01:00:00

Last Reset Time . . . : 00:00:00 Elapsed Time Since Reset. : 01:23:43

Next Collection . . . : 02:00:00 End-of-Day Time : 00:00:00



SDSF JOB DATA SET DISPLAY - JOB CICSTS53 (STC03986)

LINE 1-13 (13)

COMMAND INPUT ==>

SCROLL ==> CSR

NP	DDNAME	StepName	ProcStep	DsID	Owner	C	Dest	Rec-Cnt	Page
	JESMSGLG	JES2		2	START1	K		2	
	JESJCL	JES2		3	START1	K		248	
	JESYSMSG	JES2		4	START1	K		2	
	SYSPRINT	CICSTS53		101	START1	K		33	
	SYSPRINT	CICSTS53		102	START1	K		33	
	DFHCXRF	CICSTS53		103	START1	K		0	
	LOGUSR	CICSTS53		104	START1	K		0	
	MSGUSR	CICSTS53		105	START1	K		2,007	
	CEEMSG	CICSTS53		106	START1	K		0	
	CEEOUT	CICSTS53		107	START1	K		0	
	COUT	CICSTS53		119	START1	K		0	
	CRPO	CICSTS53		120	START1	K		0	
	S0000001	CICSTS53		121	START1	A	LOCAL	1,788	



SDSF OUTPUT DISPLAY CICSTS53 STC03986 DSID 121 LINE 0 COLUMNS 02- 81

COMMAND INPUT ==>

SCROLL ==> CSR

***** TOP OF DATA *****

Appid CICSTS53 Sysid S700 Jobname CICSTS53 Date 09/22/2021 Time 01:27:22

System Status

MVS Product Name.	: MVS/SP7.2.3	CICS Trans
CICS Startup.	: INITIAL	MVS Worklo
CICS Status	: ACTIVE	WLM Server
CEC Machine Type and Model. . .	: 1090-306	WLM Manage
		WLM Worklo
VTAM Open Status.	: OPEN	WLM Servic
IRC Status.	: OPEN	WLM Report
IRC XCF Group Name.	: DFHIR000	WLM Resour
		WLM Goal T
Storage Protection.	: ACTIVE	WLM Goal V
Transaction Isolation	: INACTIVE	WLM Goal I
Reentrant Programs.	: PROTECT	WLM CPU Cr
Exec storage command checking :	: ACTIVE	WLM Storag
Force Quasi-Reentrant	: No	RLS Status
		RRMS/MVS S



```

//ADMINCPY JOB 'JOB CARD',CLASS=A,MSGCLASS=X,NOTIFY=&SYSUID
//*
//*****
//* STEP 1: UNLOAD DATA FROM THE SMF DATA SETS
//*****
//SMFDUMP EXEC PGM=IFASMFDP IFASMFDL
//* CHECK SMF DATASET
//INDD1 DD DSN=SYS1.MANX,DISP=SHR,AMP=('BUFSP=65536')
//OUTDD1 DD DSN=ADMINCP.SMF.DATAD,DISP=(NEW,CATLG),
// SPACE=(CYL,(5,2)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
        INDD(INDD1,OPTIONS(DUMP))
        OUTDD(OUTDD1,TYPE(110(2)))
/*

```




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/* STEP 2: SORT, FORMAT AND PRINT THE STATISTICS RECORDS
/*****
//STUP1 EXEC PGM=DFHSTUP,REGION=0M
/*****
//STEPLIB DD DSN=DFH520.CICS.SDFHLOAD,DISP=SHR
// DD DSN=DFH520.CICS.SDFHAUTH,DISP=SHR
//DFHSTATS DD DSN=ADMINCP.SMF.DATAD,DISP=SHR
//DFHSTWRK DD UNIT=SYSDA,SPACE=(CYL,(8,4))
//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(4))
//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(4))
//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(4))
//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(4))
//DFHPRINT DD SYSOUT=*
//SYSPRINT DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//SYSABEND DD SYSOUT=*
//SYSOUT DD SYSOUT=*
//SYSIN DD *

SELECT APPLID=(CICSTS52)
SELECT TYPE=(TRANSACTION,FILE)
//
TIME START=18.10.00,STOP=18.36.00
DATE START=09/22/2021,STOP=09/22/2021
*
SELECT TYPE=ALL

```



DFHSTUP CONTROL PARAMETERS READ:

SELECT APPLID=(CICSTS52)

SELECT TYPE=(TRANSACTION,FILE)

CICS 6.9.0 STATISTICS UTILITY PROGRAM

```
*****
*****
*****
****          ****
****          C I C S          ****
****          ****
****          STATISTICS UTILITY PROGRAM          ****
****          ****
*****
*****
*****
```

CICS 6.9.0 Statistics Utility Program

Requested Statistics Report

Collection Date-Time 09/22/2020-17:28



TRANSACTION MANAGER STATISTICS

Total number of transactions (user + system) :
Current MAXTASKS limit :
Time MAXTASKS last changed :
Current number of active user transactions :
Time last transaction attached :
Current number of MAXTASK queued user transactions :
Times the MAXTASKS limit reached :
Time the MAXTASKS limit last reached :
Currently at MAXTASKS limit :
Peak number of MAXTASK queued user transactions :
Peak number of active user transactions :
Total number of active user transactions :
Total number of MAXTASK delayed user transactions :
Total MAXTASK queuing time :
Total MAXTASK queuing time of currently queued user transactions :

CICS 6.9.0 Statistics Utility Program



TRANSACTION - RESOURCE INFORMATION

Trans ID	Program Name	Tclass Name	Prty	Remote Name	Remote Sysid	Dyn- amic	Attach Count	Retr Coun
AADD	DFH\$AALL		1			N	16	
ABRW	DFH\$ABRW		1			N	94	
AINQ	DFH\$AALL		1			N	12	
AMNU	DFH\$AMNU		1			N	11	
AORD	DFH\$AREN		1			N	0	
AORQ	DFH\$ACOM		1			N	0	
AREP	DFH\$AREP		1			N	0	
AUPD	DFH\$AALL		1			N	13	
A300	A10PP300		1			N	0	
A400	A10PP400		1			N	0	
A500	A10PP500		1			N	0	
A600	A10PP600		1			N	0	
A700	A10PB700		1			N	0	
A800	A10PP800		1			N	0	
A900	A10PP900		1			N	0	
A901	A10PP900		1			N	0	
A902	A10PP900		1			N	0	



Requested Statistics Report

Collection Date-Time 09/22/2020-17:28

FILES - Resource Information

File	Dataset Name	Dataset	
Name	Base Dataset Name (If Applicable)	Type	RLS
CSQ4FIL	USER.CICSTS52.CSQ.ACCTFIL	KSDS	NO
DFHCMACD	DFH520.DFHCMACD	KSDS	NO
DFHCSD	DFH520.CICS.DFHCSD	KSDS	NO
DFHDBFK			NO
DFHLRQ	DFH520.CICS.DFHLRQ	KSDS	NO
FILEA	DFH520.CICS.FILEA	KSDS	NO



FILES - Requests Information

File Name	Get Requests	Get Upd Requests	Browse Requests	Update Requests	Add Requests	Delete Requests	Brws Up Request
CSQ4FIL	0	0	0	0	0	0	0
DFHCMACD	0	0	0	0	0	0	0
DFHCSD	1	0	0	0	0	0	0
DFHDBFK	0	0	0	0	0	0	0
DFHLRQ	0	0	0	0	0	0	0
FILEA	19	6	423	6	8	0	0



FILES - Performance Information

File	Active	<-----Wait On Strings----->	<-----Buff		
Name	Strings	Current	Total	Highest	Data
CSQ4FIL	1	0	0	0	0
DFHCMACD	1	0	0	0	0
DFHCSD	100	0	0	0	0
DFHDBFK	1	0	0	0	0
DFHLRQ	10	0	0	0	0
FILEA	3	0	0	0	0

