



IBM Software Group

CPSM WLM Level Tracing

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Agenda

- Trace Activation
- Where to Activate
- Level Tracing
- Turning on Level Tracing
 - ▶ EYUPARMS
 - ▶ COD0
 - ▶ WUI
- DTR Processing
- Unexpected Routing Decision
- DTR Trace Entries
- Simple Terminal Start Tracing
- Complex DPL tracing
- Tip – Limit Tracing Output
- Questions and Answers

Trace Activation

- INTTR=ON
- TRTABSZ=2048
- SYSTR=OFF
- USERTR=ON

Where to Activate

- Always in CMAS
- Possibly in MAS

Where to Activate – Headers

- CMAS trace header

```
TASK:00043 METHOD:DBG2   PRIOR:XLOP  DEBUG:TONYTRAC  POINTID:    7  TRANID:COD2           SEQ:           1
          MAJOB:TRC    ENVRN:LMAS  TYPE:EXCEPTION  TOD:14:35:33.44833  CLOCK:13:35:33.44833  DATE:10/26/07
          UOW(CPSM):   SYSTM:MV30  NAME:CVMO0T1    CICS-TASK: 556  TASK-START:13:35:33.44832
```

- MAS trace header

```
TASK:00556 METHOD:DBG2   PRIOR:XLOP  DEBUG:TONYTRAC  POINTID:    7  TRANID:COD2           SEQ:           1
          MAJOB:TRC    ENVRN:LMAS  TYPE:EXCEPTION  TOD:14:35:33.44833  CLOCK:13:35:33.44833  DATE:10/26/07
          UOW(CPSM):   SYSTM:MV30  NAME:CVMO0T1    CICS-TASK: 556  TASK-START:13:35:33.44832
```

Level Tracing

- Written when requested externally
- Used by component for unique situations
- Set for component or method
- E.G. – Dynamic Transaction Routing Tracing
 - ▶ WLM levels 23 through 27 in a routing region
- MAS level tracing shipped to CMAS
 - ▶ Turn off level tracing when done

Turning on Level Tracing - EYUPARMS

CICSPLEX(PLEXCER)	PLEX to connect to
MASPLTWAIT(YES)	Hold CICS start until CPSM inits
NAME(CVMC0T1)	MAS name
MASALTLRTCNT(5)	Use 5 alternate LRTs
MASALTLRTPRI(255)	ALRT priority
MASALTLRTTIM(10)	ALRT busy time
TRAP(NLRA,16)	ALRT timing trace
WLMTRACE(23:27)	Trace DTR processing

Turning on Level Tracing – COD0

```
COD1 CICSPlex SM Debugger                                APPLID=CVMC0T1
CMD=> TRACE FLAGS                                       Scroll=> PAGE

Welcome to CICSPlex SM Debugger. Commands available are:
  ALLOC          Allocate storage, cache list, queue, or eptr.
  ATTACH         Attach a method to run in CMAS/MAS.
  CALL          Call a CICS transaction or program.
  DUMP          Call DBUG transaction to display memory.
  EXEC          Executes a method directly from the debugger.
  EXIT          EXIT the debugger
  LIST          List methods, CPSM tasks and resources.
  PRINT         Print a CPSM data area to the JES Spooler
  PURGE        Delete a resource ALLOCated.
  POST         POST ECB or ECB list.
  SET          Change CPSM EYUPARM value.
  START        Starts a method running in CMAS.
  TRACE        Set CPSM component trace flags.
  TRACK        Set CPSM trace flags based on calling structure.
  TRAP         Set tracing flags for a single method.

Enter HELP (command) for more help on commands.
```


Turning on Level Tracing – COD0

```

COD1 CICSPlex SM Debugger
CMD=>
Overtyp the trace, ENTER to update, CANCEL/END=Exit.
CompId 1...+...1...+...2...+...3..
KNL... 0000000000000000000000000000000000
TRC... 0000000000000000000000000000000000
MSG... 0000000000000000000000000000000000
SRV... 0000000000000000000000000000000000
CHE... 0000000000000000000000000000000000
DAT... 0000000000000000000000000000000000
QUE... 0000000000000000000000000000000000
COM... 0000000000000000000000000000000000
TOP... 0000000000000000000000000000000000
RTA... 0000000000000000000000000000000000
MON... 0000000000000000000000000000000000
WLM... 00000000000000000000000001111100000
MAS... 0000000000000000000000000000000000
BAS... 0000000000000000000000000000000000
    
```

APPLID=CVMC0T1
Scroll=> PAGE

WLM Flags 23-27



Turning on Level Tracing – WUI



The screenshot displays a web-based user interface menu. It is divided into two main sections: 'General views' and 'View menus'. The 'General views' section lists various monitoring and management options such as CICS regions, system group definitions, active tasks, and connections. The 'View menus' section provides detailed descriptions for each menu item. The item 'CICSplex SM operations views' is circled in red, indicating it is the focus of the document. The menu name 'EYUSTARTMENU' is visible in the bottom right corner of the interface.

General views

- [CICS regions](#)
- [System group definitions](#)
- [Active tasks](#)
- [ISC/MRO connections](#)
- [Terminals](#)
- [Local files](#)
- [Remote files](#)
- [Local or dynamic transactions](#)
- [Remote transactions](#)
- [RTA outstanding events](#)

View menus

- [CICS operations views](#)
Work with the managed CICS resources.
- [Monitoring views](#)
View the results of CICS resources monitored by CICSplex SM.
- [Real Time Analysis \(RTA\) views](#)
View the CICS resource status alerts.
- [Active workload views](#)
Work with the CICS workloads being managed by CICSplex SM.
- [CICSplex SM operations views](#)
View some of the CICSplex SM configuration.
- [Administration views](#)
Work with CICSplex SM and CICS resource definitions.
- [History views](#)
Work with CICS historical data.

Menu name: EYUSTARTMENU

Turning on Level Tracing – WUI

The screenshot shows a configuration page with the following fields:

- CMAS context:** CVMC0C1
- Context:** PLEXCER
- Scope:** PLEXCER

A **Set** button is located to the right of the Scope field.

MAS views

- [System group definitions](#)
- [CICS system definitions](#)
- [MASs known to CICSplex](#) (circled in red)
- [MAS status by CMAS](#)

CMAS views

- [CMASs known to local CMAS](#)
- [CICSplexes managed by CMAS](#)
- [CMASs managing CICSplex](#)
- [CMAS to CMAS links](#)
- [CMAS to MAS links](#)

Menu name: EYUSTARTCONFIG

Turning on Level Tracing – WUI

Record	CICS system name	MAS type	CMAS name	MAS status	Monitoring status	Real time analysis status	Workload manager status	CICS system description
1	ASYS1	N_a		Inactive	N_a	N_a	N_a	update 4
2	ASYS2	N_a		Inactive	N_a	N_a	N_a	update 4
3	ASYS3	N_a		Inactive	N_a	N_a	N_a	update 5
4	ASYS4	N_a		Inactive	N_a	N_a	N_a	update 5
5	CMASBAD	N_a		Inactive	N_a	N_a	N_a	
6	CMASNO	N_a		Inactive	N_a	N_a	N_a	
7	CVMA0A1	N_a		Inactive	N_a	N_a	N_a	
8	CVMA0T1	N_a		Inactive	N_a	N_a	N_a	
9	CVMC0A1	Local	CVMC0C1	Active	Yes	Yes	No	
10	CVMC0A2	N_a		Inactive	N_a	N_a	N_a	
11	CVMC0A3	N_a		Inactive	N_a	N_a	N_a	
12	CVMC0A4	N_a		Inactive	N_a	N_a	N_a	abc
13	CVMC0T1	Local	CVMC0C1	Active	Yes	Yes	Yes	
14	CVMC0T4	N_a		Inactive	N_a	N_a	N_a	
15	CVMC022	N_a		Inactive	N_a	N_a	N_a	
16	CVMC023	N_a		Inactive	N_a	N_a	N_a	
17	CVMC031	N_a		Inactive	N_a	N_a	N_a	
18	CVMC1A2	N_a		Inactive	N_a	N_a	N_a	

Turning on Level Tracing – WUI

Workload manager status No ▼

Time

Time zone Z

Time zone offset 0

Daylight savings in effect Yes ▼

Security

Simulated security command check No ▼


Simulated security resource check No ▼

Simulated security exemption check No ▼

[Real Time Analysis details](#)

[Monitoring details](#)

[Trace details \(Alter trace flag settings only when asked to by IBM System Support center personnel\)](#)

[CICS system definition](#) 

Turning on Level Tracing – WUI

Cache services trace flags	<input type="checkbox"/>	
Communications trace flags	<input type="checkbox"/>	
Data repository services trace flags	<input type="checkbox"/>	
Kernel linkage trace flags	<input type="checkbox"/>	
MAS services trace flags	<input type="checkbox"/>	
Message services trace flags	<input type="checkbox"/>	
Queue services trace flags	<input type="checkbox"/>	
Real time analysis (RTA) trace flags	<input type="checkbox"/>	
Common services trace flags	<input type="checkbox"/>	
Topology trace flags	<input type="checkbox"/>	
Trace services trace flags	<input type="checkbox"/>	
Workload management trace flags	<input checked="" type="checkbox"/>	23-27

[General information](#)
[Real Time Analysis details](#)
[Monitoring details](#)
[CICS system definition](#)

Resource name: MAS. View name: EYUSTARTMAS.TRACE

CLICK

DTR Processing – Control Blocks

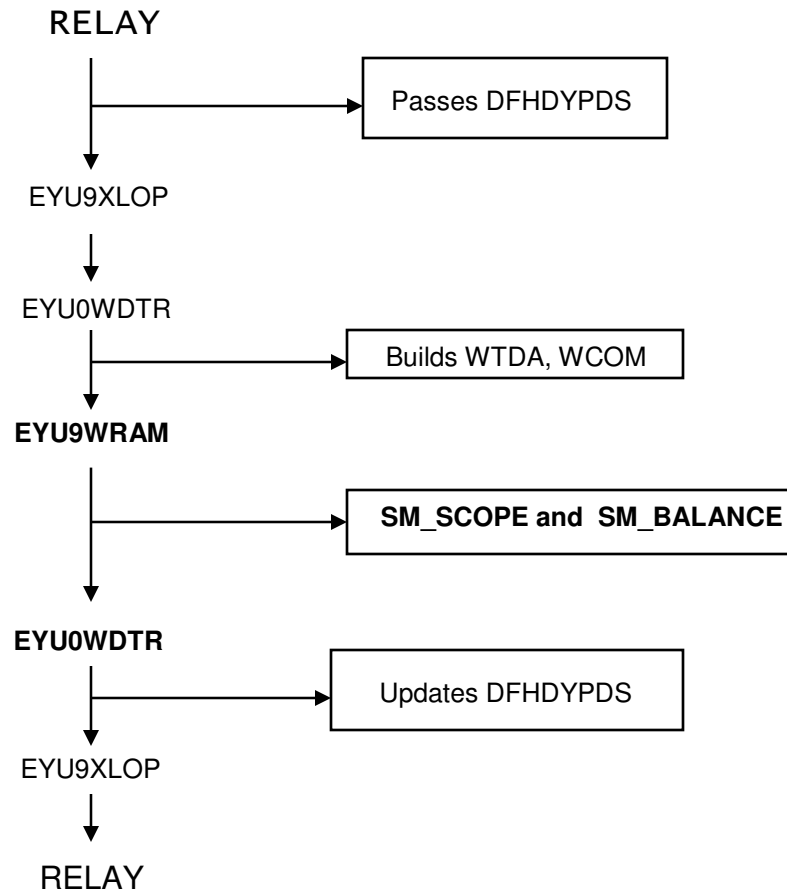
- DFHDYPDS
 - ▶ DTRPGM/DSRTPGM communication area
- EYURWTDA
 - ▶ Information from/to DFHDYPDS
 - Internal control block
- EYURWCOM
 - ▶ EYU9WRAM communication area
- EYURWSVE
 - ▶ Scope vector element
 - Target region array

DTR Processing – Control Blocks

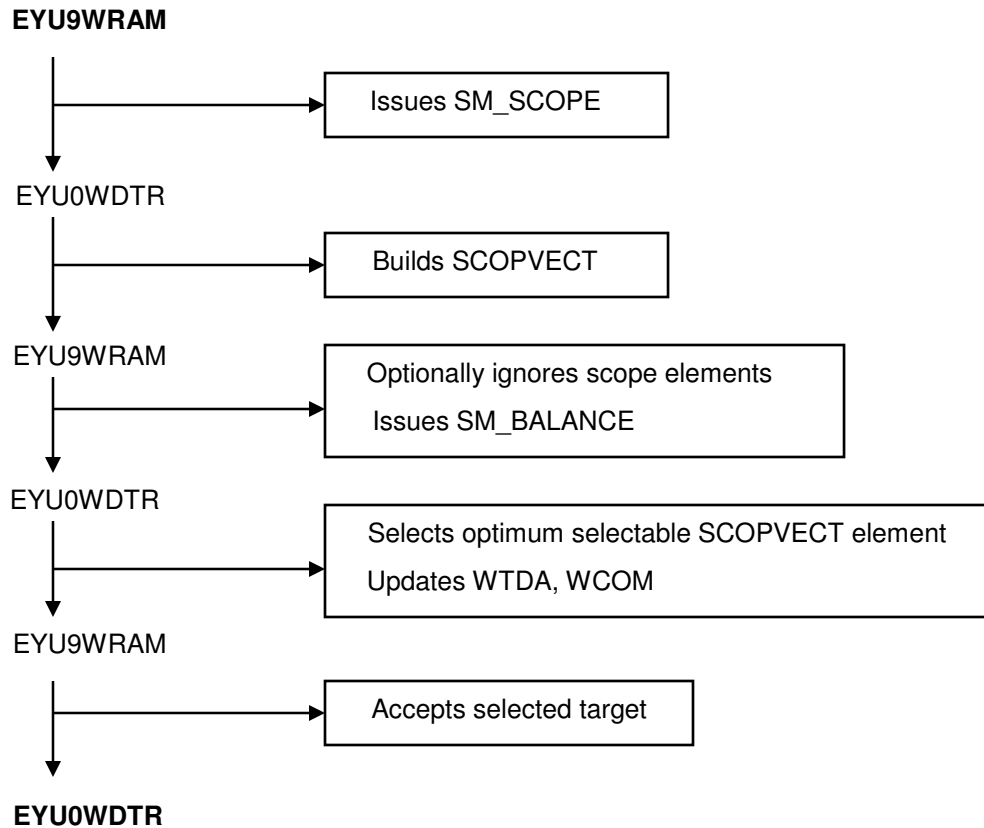
- Sample JCL to assemble control blocks

```
//ASMDSCT JOB
//*-----
//* ASSEMBLE A CICS DSECT
//*-----
//ASM      EXEC PGM=ASMA90,
//          PARM='LIST,NODECK,NOOBJ,ALIGN,TERM,XREF(FULL)',
//          TIME=30,
//          REGION=2048K
//SYSUT1   DD UNIT=SYSDA,SPACE=(CYL,(10,10))
//SYSTEM   DD SYSOUT=*
//SYSPRINT DD SYSOUT=*
//SYSPUNCH DD DUMMY
//SYSLIB   DD DISP=SHR,DSN=CICS.V6R5M0.SDFHMAC
//          DD DISP=SHR,DSN=CPSM.V3R2M0.SEYUMAC
//          DD DISP=SHR,DSN=SYS1.MACLIB
//SYSIN    DD *
COPY DFHDYPDS
COPY EYURWCOM
COPY EYURWSVE
END
/*
```


DTR Processing – General Flow



DTR Processing – SM_Scope and SM_Balance



Unexpected Routing Decision

- Which workload is active ?
 - ▶ WLMWORK , WLMAWTOR
- Dynamic routing enabled ?
 - ▶ WLMAWAOR
- Is workload being separated ?
 - ▶ WLMATRAN , WLMATGRP , WLMAWDEF
- Trace it
 - ▶ WLM levels 23 - 27

DTR Trace Entries

Trace pt	Debug	Data
27001	WDTRDTRC	Entry from CICS – Formatted DFHDYPDS
27002	WDTRDTRC	Return to CICS – Formatted DFHDYPDS
23001	SM_SCOPE	WRAM SM_SCOPE request
23002	SM_SCOPE	Return to WRAM for SM_SCOPE
23001	SM_BALAN	WRAM SM_BALANCE request
23002	SM_BALAN	Return to WRAM for SM_BALANCE
24000	WDTRTDA	Formatted EYURWTDA
25000	WDTRWCOM	Formatted EYURWCOM
26000	WDTRSCOP	Formatted Scope Vector - EYURWSVE

Simple Terminal Start – Abbrev trace

TASK	MTD	PREV	TRAN	OBJ	LEVL	PT-ID	DEBUG	UOW	CMAS/USR	ENVR	LOCAL	TOD	GMT	CLOCK	DATE	SEQUENCE
02976	WDTR	XLOP	MWBX	WLM	LV-27	27001	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:12:21.33556	13:12:21.33556	7/27/07		1	
02976	WDTR	XLOP	MWBX	WLM	LV-23	23001	SM_SCOPE	CPSM	CVMC0T1	LMAS	14:12:21.33585	13:12:21.33585	7/27/07		2	
02976	WDTR	XLOP	MWBX	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:12:21.33600	13:12:21.33600	7/27/07		3	
02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:21.33615	13:12:21.33615	7/27/07		4	
02976	WDTR	XLOP	MWBX	WLM	LV-23	23002	SM_SCOPE	CPSM	CVMC0T1	LMAS	14:12:21.33655	13:12:21.33655	7/27/07		5	
02976	WDTR	XLOP	MWBX	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:12:21.33672	13:12:21.33672	7/27/07		6	
02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:21.33689	13:12:21.33689	7/27/07		7	
02976	WDTR	XLOP	MWBX	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:12:21.33705	13:12:21.33705	7/27/07		8	
02976	WDTR	XLOP	MWBX	WLM	LV-23	23001	SM_BALAN	CPSM	CVMC0T1	LMAS	14:12:21.33813	13:12:21.33813	7/27/07		9	
02976	WDTR	XLOP	MWBX	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:12:21.33829	13:12:21.33829	7/27/07		10	
02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:21.33887	13:12:21.33887	7/27/07		11	
02976	WDTR	XLOP	MWBX	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:12:21.33903	13:12:21.33903	7/27/07		12	
02976	WDTR	XLOP	MWBX	WLM	LV-23	23002	SM_BALAN	CPSM	CVMC0T1	LMAS	14:12:21.33960	13:12:21.33960	7/27/07		13	
02976	WDTR	XLOP	MWBX	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:12:21.33976	13:12:21.33976	7/27/07		14	
02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:21.34022	13:12:21.34022	7/27/07		15	
02976	WDTR	XLOP	MWBX	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:12:21.34038	13:12:21.34038	7/27/07		16	
02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:21.34225	13:12:21.34225	7/27/07		17	
02976	WDTR	XLOP	MWBX	WLM	LV-27	27002	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:12:21.34290	13:12:21.34290	7/27/07		18	
02976	WDTR	XLOP	MWBX	WLM	LV-27	27001	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:12:22.62179	13:12:22.62179	7/27/07		19	
02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:22.62205	13:12:22.62205	7/27/07		20	
02976	WDTR	XLOP	MWBX	WLM	LV-27	27002	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:12:22.62230	13:12:22.62230	7/27/07		21	

Simple Terminal Start – Abbrev trace explained

	TASK	MTD	PREV	TRAN	OBJ	LEVEL	PT-ID	DEBUG	UOW	CMAS/USR	ENVR	LOCAL	TOD	GMT	CLOCK	DATE	SEQUENCE
▪	Entry to CPSM from CICS	02976	WDTR	XLOP	MWBX	WLM	LV-27	27001	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:12:21.33556	13:12:21.33556	7/27/07	1	
▪	EYU9WRAM makes SM_SCOPE call	02976	WDTR	XLOP	MWBX	WLM	LV-23	23001	SM_SCOPE	CPSM	CVMC0T1	LMAS	14:12:21.33585	13:12:21.33585	7/27/07	2	
▪	WTDA on entry to SM_SCOPE call	02976	WDTR	XLOP	MWBX	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:12:21.33600	13:12:21.33600	7/27/07	3	
▪	WCOM on entry to SM_SCOPE call	02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:21.33615	13:12:21.33615	7/27/07	4	
▪	Return to EYU9WRAM from SM_SCOPE call	02976	WDTR	XLOP	MWBX	WLM	LV-23	23002	SM_SCOPE	CPSM	CVMC0T1	LMAS	14:12:21.33655	13:12:21.33655	7/27/07	5	
▪	WTDA on return from SM_SCOPE call	02976	WDTR	XLOP	MWBX	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:12:21.33672	13:12:21.33672	7/27/07	6	
▪	WCOM on return from SM_SCOPE call	02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:21.33689	13:12:21.33689	7/27/07	7	
▪	Scope vector on return from SM_SCOPE call	02976	WDTR	XLOP	MWBX	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:12:21.33705	13:12:21.33705	7/27/07	8	
▪	EYU9WRAM makes SM_BALANCE call	02976	WDTR	XLOP	MWBX	WLM	LV-23	23001	SM_BALAN	CPSM	CVMC0T1	LMAS	14:12:21.33813	13:12:21.33813	7/27/07	9	
▪	WTDA on entry to SM_BALANCE call	02976	WDTR	XLOP	MWBX	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:12:21.33829	13:12:21.33829	7/27/07	10	
▪	WCOM on entry to SM_BALANCE call	02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:21.33887	13:12:21.33887	7/27/07	11	
▪	Scope vector on entry to SM_BALANCE call	02976	WDTR	XLOP	MWBX	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:12:21.33903	13:12:21.33903	7/27/07	12	
▪	Return to EYU9WRAM from SM_BALANCE call	02976	WDTR	XLOP	MWBX	WLM	LV-23	23002	SM_BALAN	CPSM	CVMC0T1	LMAS	14:12:21.33960	13:12:21.33960	7/27/07	13	
▪	WTDA on return from SM_BALANCE call	02976	WDTR	XLOP	MWBX	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:12:21.33976	13:12:21.33976	7/27/07	14	
▪	WCOM on return from SM_BALANCE call	02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:21.34022	13:12:21.34022	7/27/07	15	
▪	Scope vector on return from SM_BALANCE call	02976	WDTR	XLOP	MWBX	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:12:21.34038	13:12:21.34038	7/27/07	16	
▪	WCOM returned from EYU9WRAM to WDTR	02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:21.34225	13:12:21.34225	7/27/07	17	
▪	Return to CICS from CPSM	02976	WDTR	XLOP	MWBX	WLM	LV-27	27002	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:12:21.34290	13:12:21.34290	7/27/07	18	
▪	Entry to CPSM from CICS	02976	WDTR	XLOP	MWBX	WLM	LV-27	27001	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:12:22.62179	13:12:22.62179	7/27/07	19	
▪	WCOM returned from EYU9WRAM to WDTR	02976	WDTR	XLOP	MWBX	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:12:22.62205	13:12:22.62205	7/27/07	20	
▪	Return to CICS from CPSM	02976	WDTR	XLOP	MWBX	WLM	LV-27	27002	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:12:22.62230	13:12:22.62230	7/27/07	21	



Simple Terminal Start – Full trace

- DFHDYPDS passed to EYU9XLOP – Route Select

```

TASK:02976 METHOD:WDTR PRIOR:XLOP DEBUG:WDRDTRC POINTID: 27001 TRANID:MWBX SEQ: 1
MAJOB:WLM ENVRN:LMAS TYPE:LEVEL 27 TOD:14:12:21.33556 CLOCK:13:12:21.33556 DATE: 7/27/07
UOW(CPSM): SYSTM:MV30 NAME:CVMC0T1 CICS-TASK: 976 TASK-START:13:12:21.33555

DtrComm LEN:000524 ALET:00000000 ADDR:14E6E154
0 - F0D9E300 40D5E800 00000000 C3F0E3F1 000AF000 D4E6C2E7 40404040 00000001 *ORT. NY.....COT1..0.MWBX ....*
20 - 14E6DF30 00000004 D5000001 C3E5D4C3 F0E3F140 C4C6C8C5 D6E3D740 D5E80000 *.W.....N...CVMC0T1 DFHEOTP NY..*
40 - 02078000 00000000 40404040 40000000 00000000 00000000 14E6E268 40404040 *.....WS.*
60 - 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 *
    LINES 80 - E0 Same as above
100 - 40404040 E3C2C5D9 E3404040 00000000 00000000 00000000 00000000 00000000 * TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 140 - 4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040 *
    
```

Simple Terminal Start – Full trace

- Scope vector returned by SM_SCOPE processing

```
TASK:02976 METHOD:WDTR PRIOR:XLOP DEBUG:WDTRSCOP POINTID: 26000 TRANID:MWBX SEQ: 8
MAJOB:WLM ENVRN:LMAS TYPE:LEVEL 26 TOD:14:12:21.33705 CLOCK:13:12:21.33705 DATE: 7/27/07
UOW(CPSM): SYSTM:MV30 NAME:CVMC0T1 CICS-TASK: 976 TASK-START:13:12:21.33555
```

```
ScopVect LEN:000CFC ALET:00000000 ADDR:16407438
0 - 0CFC6EC5 E8E4E6D4 C5E8E4D9 E6E2E5C3 0C000900 00000000 00000000 00000000 *..>EYUWMEYURWSVC.....*
20 - 16407438 00000009 00000003 00000000 00000000 00000000 00000000 00000000 *.....*
40 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
80 - 00000000 01FF0018 0004B900 C3E5D4C3 F0C1F340 00000011 F00000C1 41219999 *.....CVMC0A3...0..A..rr*
A0 - 99999999 C3F0C1F3 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 01FF0018 *rrrrC0A3001100000NE650.....*
C0 - 00049000 C3E5D4C3 F0C1F240 00000013 F00000C1 4121C28F 5C28F5C2 C3F0C1F2 *...CVMC0A2...0..A..B.*.5BC0A2*
E0 - F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 01FF0018 00036000 C3E5D4C3 *001100000NE650.....CVMC*
100 - F0C1F140 00000011 F00000C1 437D2199 99999999 C3F0C1F1 F0F0F1F1 F0F0F0F1 *0A1...0..A.'rrrrC0A100110001*
120 - F0D5C5F6 F5F00000 00000000 01FF0018 0004E200 00000000 00000000 00000000 *0NE650.....S.....*
140 - F00000F9 4514C091 EB851EB8 00000000 F000F2F1 00000000 F1D50000 00000000 *0..9...j.e.....0.21...1N.....*
160 - 00000000 01FF0018 00051000 00000000 00000000 00000000 F00000F9 4514C091 *.....*
180 - EB851EB8 00000000 F000F2F1 00000000 F1D50000 00000000 00000000 01FF0018 *.e.....0.21...1N.....*
1A0 - 00053900 00000000 00000000 00000000 F00000F9 4514C091 EB851EB8 00000000 *.....*
1C0 - F000F2F1 00000000 F1D50000 00000000 00000000 01FF0018 00056200 00000000 *0.21...1N.....*
1E0 - 00000000 00000000 F00000F9 4514C091 EB851EB8 00000000 F000F2F1 00000000 *.....0..9...j.e.....0.21...*
200 - F1D50000 00000000 00000000 01FF0018 00059000 00000000 00000000 00000000 *1N.....*
```

Start of Scope Vector Elements



Simple Terminal Start – Full trace

- Scope vector elements broken out

```

TASK:02976 METHOD:WDTR PRIOR:XLOP DEBUG:WDRSCOP POINTID: 26000 TRANID:MWBX SEQ: 8
MAJOB:WLM ENVRN:LMAS TYPE:LEVEL 26 TOD:14:12:21.33705 CLOCK:13:12:21.33705 DATE: 7/27/07
UOW(CPSM): SYSTM:MV30 NAME:CVMC0T1 CICS-TASK: 976 TASK-START:13:12:21.33555

ScopVect LEN:000CFC ALET:00000000 ADDR:16407438
0 - 0CFC6EC5 E8E4E6D4 C5E8E4D9 E6E2E5C3 0C000900 00000000 00000000 00000000 *..>EYUWMEYURWSVC.....*
20 - 164074BC 00000009 00000003 00000000 00000000 00000000 00000000 00000000 *.....*
40 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
80 - 00000000 *.....*

0 - 01FF0018 0004B900 C3E5D4C3 F0C1F340 00000011 F00000C1 41219999 99999999 *.....CVMCOA3 ....0..A..rrrrr*
20 - C3F0C1F3 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 *COA3001100000NE650.....*

0 - 01FF0018 00049000 C3E5D4C3 F0C1F240 00000013 F00000C1 4121C28F 5C28F5C2 *.....CVMCOA2 ....0..A..B.*.5B*
20 - C3F0C1F2 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 *COA2001100000NE650.....*

0 - 01FF0018 00036000 C3E5D4C3 F0C1F140 00000011 F00000C1 437D2199 99999999 *.....CVMCOA1 ....0..A..rrrrr*
20 - C3F0C1F1 F0F0F1F1 F0F0F0F1 F0D5C5F6 F5F00000 00000000 *COA1001100010NE650.....*

0 - 01FF0018 0004E200 00000000 00000000 00000000 F00000F9 4514C091 EB851EB8 *.....S.....0..9...j.e..*
20 - 00000000 F000F2F1 00000000 F1D50000 00000000 00000000 *....0.21....1N.....*
    
```

Simple Terminal Start – Full trace

- DFHDYPDS returned to CICS – Route Select

```

TASK:02976  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDTRDTRC  POINTID: 27002  TRANID:MWBX  SEQ: 18
MAJOB:WLM  ENVRN:LMAS  TYPE:LEVEL 27  TOD:14:12:21.34290  CLOCK:13:12:21.34290  DATE: 7/27/07
UOW(CPSM):  SYSTM:MV30  NAME:CVMC0T1  CICS-TASK: 976  TASK-START:13:12:21.33555

DtrComm  LEN:000524  ALET:00000000  ADDR:14E6E154
 0 - F0D9E300 40E8D500 00000000 C3F0C1F3 000AF000 D4E6C2E7 40404040 00000001 *ORT. YN.....COA3..0.MWBX .....*
20 - 14E6DF30 00000004 D5000001 C3E5D4C3 F0C1F340 C4C6C8C5 D6E3D740 D5E80000 *.W.....N...CVMCOA3 DFHEOTP NY..*
40 - 02078000 00000000 C5F6F5F0 40000000 00000000 00000000 14E6E268 40404040 *.....E650 .....WS. *
60 - 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 * *
    LINES      80 -      E0 Same as above
100 - 40404040 E3C2C5D9 E3404040 00000000 00000000 FEEF1640 0148FEEF 00000000 *      TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES     140 -     4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040 *.....*
    
```



Simple Terminal Start – Full trace

- DFHDYPDS passed to EYU9XLOP – Route Complete

```

TASK:02976  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDRDTRC  POINTID: 27001  TRANID:MWBX  SEQ: 19
MAJOB:WLM  ENVRN:LMAS  TYPE:LEVEL 27  TOD:14:12:22.62179  CLOCK:13:12:22.62179  DATE: 7/27/07
UOW(CPSM): SYSTM:MV30  NAME:CVMC0T1  CICS-TASK: 976  TASK-START:13:12:22.62178

DtrComm  LEN:000524  ALET:00000000  ADDR:14E6E154
0 - F2D9E300 40E8D500 00000000 C3F0C1F3 000AF000 D4E6C2E7 40404040 00000001 *2RT. YN.....COA3..0.MWBX ....*
20 - 14E6DF30 00000027 D5000001 C3E5D4C3 F0C1F340 C4C6C8C5 D6E3D740 D5E80000 *.W.....N...CVMCOA3 DFHEOTP NY..*
40 - 02078000 00000000 40404040 40000000 00000000 00000000 14E6E268 40404040 *..... WS. *
60 - 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 * *
    LINES 80 - E0 Same as above
100 - 40404040 E3C2C5D9 E3404040 00000000 00000000 FEEF1640 0148FEEF 00000000 * TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 140 - 4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040 * *
    
```



Simple Terminal Start – Full trace

- DFHDYPDS returned to CICS – Route Complete

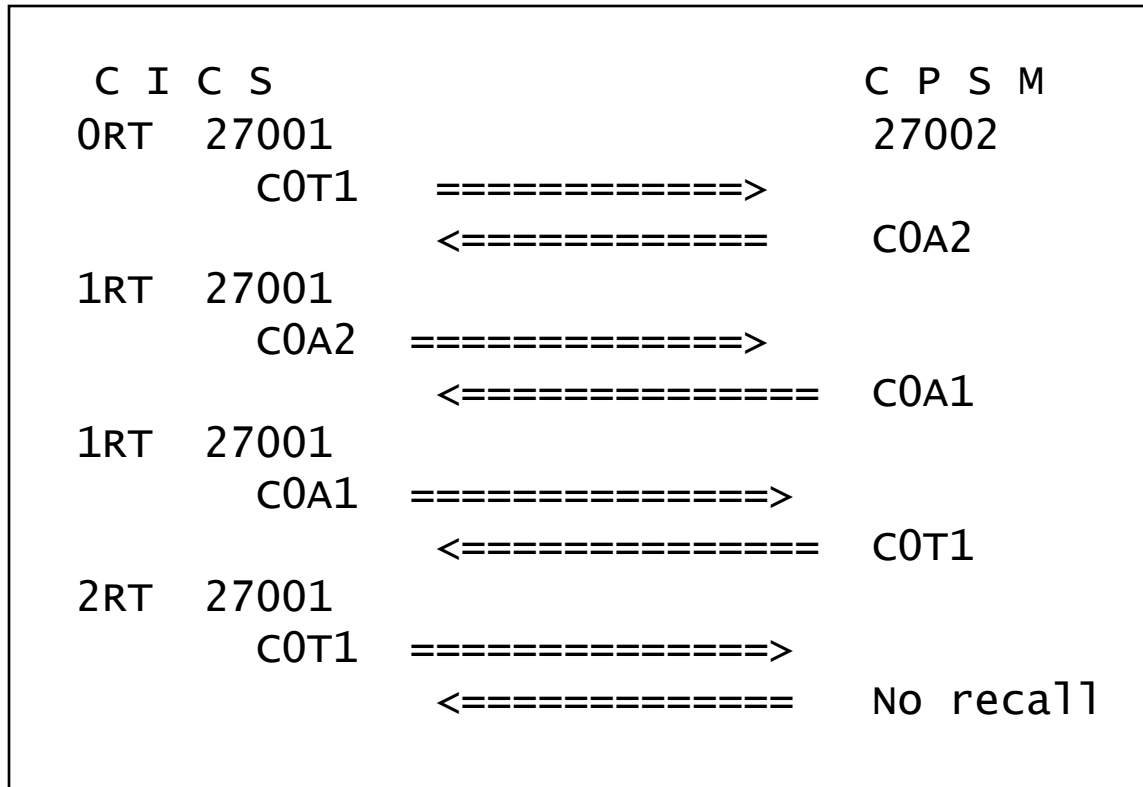
```

TASK:02976  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDRDTRC  POINTID: 27002  TRANID:MWBX  SEQ: 21
MAJOBJ:WLM  ENVRN:LMAS  TYPE:LEVEL 27  TOD:14:12:22.62230  CLOCK:13:12:22.62230  DATE: 7/27/07
UOW(CPSM):  SYSTM:MV30  NAME:CVMC0T1  CICS-TASK: 976  TASK-START:13:12:22.62178

DtrComm  LEN:000524  ALET:00000000  ADDR:14E6E154
0 - F2D9E300 40E8D500 00000000 C3F0C1F3 000AF000 D4E6C2E7 40404040 00000001 *2RT. YN.....COA3..0.MWBX ....*
20 - 14E6DF30 00000027 D5000001 C3E5D4C3 F0C1F340 C4C6C8C5 D6E3D740 D5E80000 *.W.....N...CVMCOA3 DFHEOTP NY..*
40 - 02078000 00000000 40404040 40000000 00000000 00000000 14E6E268 40404040 *..... WS. *
60 - 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 * *
    LINES      80 - E0 Same as above
100 - 40404040 E3C2C5D9 E3404040 00000000 00000000 00000000 00000000 00000000 * TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES      140 - 4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040 * *
    
```



Complex DPL – Scenario



Complex DPL – Full trace

- DFHDYPDS passed to EYU9XLOP – Route Select

```

TASK:01465  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDTRDTRC  POINTID: 27001  TRANID:CECI  SEQ: 1
MAJOB:WLM  ENVRN:LMAS  TYPE:LEVEL 27  TOD:14:05:33.33273  CLOCK:13:05:33.33273  DATE: 7/26/07
UOW(CPSM):  SYSTM:MV30  NAME:CVMC0T1  CICS-TASK: 465  TASK-START:13:05:33.33271

DtrComm  LEN:000524  ALET:00000000  ADDR:14E71024
0 - F0D9E300 40D5E800 00000000 C3F0E3F1 000AF400 C3E2D4C9 40404040 00000001 *ORT. NY.....COT1..4.CSMI .....*
20 - 00000000 00000000 D5000001 C3E5D4C3 F0E3F140 D4C2D9E3 D5404040 D5D500D5 *.....N...CVMC0T1 MBRTN NN.N*
40 - 02078000 00000000 40404040 E8000000 00000000 00000000 14E71138 00000000 *.....Y.....X.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 80 - E0 Same as above
100 - 00000000 E3C2C5D9 E3404040 00000000 00000000 00000000 00000000 00000000 *....TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 140 - 4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040
    
```



Complex DPL – Full trace

- Returned by SM_SCOPE processing

TASK:01465 METHOD:WDTR PRIOR:XLOP DEBUG:WDRSCOP POINTID: 26000 TRANID:CECI SEQ: 8
 MAJOBJ:WLM ENVRN:LMAS TYPE:LEVEL 26 TOD:14:05:33.33416 CLOCK:13:05:33.33416 DATE: 7/26/07
 UOW(CPSM): SYSTM:MV30 NAME:CVMC0T1 CICS-TASK: 465 TASK-START:13:05:33.33271

```
ScopVect  LEN:000CFC      ALET:00000000 ADDR:16407438
0 - 0CFC6EC5 E8E4E6D4 C5E8E4D9 E6E2E5C3 0C000900 00000000 00000000 00000000 *...>EYUWMEYURWSVC.....*
20 - 164074BC 00000009 00000002 00000000 00000000 00000000 00000000 00000000 *.....*
40 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
80 - 00000000 01FF0018 00049000 C3E5D4C3 F0C1F240 00000011 F00000C1 41219999 *.....CVMCOA2.....0..A..rr*
A0 - 99999999 C3F0C1F2 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 01FF0018 *rrrrCOA2001100000NE650.....*
C0 - 00036000 C3E5D4C3 F0C1F140 00000013 F00000C1 4121C28F 5C28F5C2 C3F0C1F1 *...CVMCOA1.....0..A..B.*.5BCOA1*
E0 - F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 01FF0018 0004B900 00000000 *001100000NE650.....*
100 - 00000000 00000000 F00000F9 4514C091 C28F5C28 00000000 F000F2F1 00000000 *.....0..9...jB.*.....0.21....*
120 - F1D50000 00000000 00000000 01FF0018 0004E200 00000000 00000000 00000000 *1N.....S.....*
140 - F00000F9 4514C091 C28F5C28 00000000 F000F2F1 00000000 F1D50000 00000000 *0..9...jB.*.....0.21....1N.....*
160 - 00000000 01FF0018 00051000 00000000 00000000 00000000 F00000F9 4514C091 *.....0..9...j.....*
180 - C28F5C28 00000000 F000F2F1 00000000 F1D50000 00000000 00000000 01FF0018 *B.*.....0.21....1N.....*
1A0 - 00053900 00000000 00000000 00000000 F00000F9 4514C091 C28F5C28 00000000 *.....0..9...jB.*.....*
1C0 - F000F2F1 00000000 F1D50000 00000000 00000000 01FF0018 00056200 00000000 *0.21....1N.....*
1E0 - 00000000 00000000 F00000F9 4514C091 C28F5C28 00000000 F000F2F1 00000000 *.....0..9...jB.*.....0.21....*
200 - F1D50000 00000000 00000000 01FF0018 00059000 00000000 00000000 00000000 *1N.....*
```

BEGIN SCOPE VECTOR ELEMENT

Complex DPL – Full trace

- Elements broken out

```

TASK:01465  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDTRSCOP  POINTID: 26000  TRANID:CECI  SEQ: 8
MAJOB:WLM  ENVRN:LMAS  TYPE:LEVEL 26  TOD:14:05:33.33416  CLOCK:13:05:33.33416  DATE: 7/26/07
UOW(CPSM):  SYSTM:MV30  NAME:CVMC0T1  CICS-TASK: 465  TASK-START:13:05:33.33271

ScopVect  LEN:000CFC  ALET:00000000  ADDR:16407438
0 - 0CFC6EC5 E8E4E6D4 C5E8E4D9 E6E2E5C3 0C000900 00000000 00000000 00000000 *..>EYUWMEYURWSVC.....*
20 - 164074BC 00000009 00000002 00000000 00000000 00000000 00000000 00000000 *.....*
40 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
80 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*

0 - 01FF0018 00049000 C3E5D4C3 F0C1F240 00000011 F00000C1 41219999 99999999 *.....CVMCOA2 ....0..A..rrrrr*
20 - C3F0C1F2 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 *COA2001100000NE650.....*

0 - 01FF0018 00036000 C3E5D4C3 F0C1F140 00000013 F00000C1 4121C28F 5C28F5C2 *.....-CVMCOA1 ....0..A..B.*.5B*
20 - C3F0C1F1 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 *COA1001100000NE650.....*

0 - 01FF0018 0004B900 00000000 00000000 00000000 F00000F9 4514C091 C28F5C28 *.....0..9...jB.*.*
20 - 00000000 F000F2F1 00000000 F1D50000 00000000 00000000 *....0.21....1N.....*
    
```

AOR is DOWN

AOR is NOT SELECTABLE



Complex DPL – Full trace

- DFHDYPDS returned to CICS – Route Select

```

TASK:01465  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDTRDTRC  POINTID: 27002  TRANID:CECI  SEQ: 18
            MAJOB:WLM   ENVRN:LMAS  TYPE:LEVEL 27  TOD:14:05:33.33794  CLOCK:13:05:33.33794  DATE: 7/26/07
            UOW(CPSM):  SYSTM:MV30  NAME:CVMC0T1  CICS-TASK: 465  TASK-START:13:05:33.33271

DtrComm  LEN:000524  ALET:00000000  ADDR:14E71024
 0 - F0D9E300 40E8D500 00000000 C3F0C1F2 000AF400 C3E2D4C9 40404040 00000001 *0RT. YN....COA2..4.CSMI ....*
20 - 00000000 00000000 D5000001 C3E5D4C3 F0C1F240 D4C2D9E3 D5404040 D5D500D5 *.....N...CVMCOA2 MBRTN NN.N*
40 - 02078000 00000000 C5F6F5F0 E8000000 00000000 00000000 14E71138 00000000 *.....E65Y.....X.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 80 - E0 Same as above
100 - 00000000 E3C2C5D9 E3404040 00000000 00000000 FEEF1640 0148FEEF 00000000 *....TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 140 - 4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040
    
```



Complex DPL – Full trace

- DFHDYPDS passed to EYU9XLOP – Route Error

```

TASK:01465  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDTRDTRC  POINTID: 27001  TRANID:CECI  SEQ: 19
MAJOB:WLM  ENVRN:LMAS  TYPE:LEVEL 27  TOD:14:05:33.33916  CLOCK:13:05:33.33916  DATE: 7/26/07
UOW(CPSM):  SYSTEM:MV30  NAME:CVMC0T1  CICS-TASK: 465  TASK-START:13:05:33.33915

DtrComm  LEN:000524  ALET:00000000  ADDR:14E71024
0 - F1D9E300 F7D5E800 00000000 C3F0C1F2 000AF400 C3E2D4C9 40404040 00000002 *1RT.7NY.....C0A2..4.CSMI .....*
20 - 00000000 00000000 D5000001 C3E5D4C3 F0C1F240 D4C2D9E3 D5404040 D5D500D5 *.....N...CVMCOA2 MBRTN NN.N*
40 - 02078000 00000000 40404040 E8000000 00000000 00000000 14E71138 00000000 *.....Y.....X.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 80 - E0 Same as above
100 - 00000000 E3C2C5D9 E3404040 00000000 00000000 FEEF1640 0148FEEF 00000000 *....TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 140 - 4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040
    
```

Complex DPL – Full trace

- Scope vector returned from SM_SCOPE processing

```
TASK:01465 METHOD:WDTR PRIOR:XLOP DEBUG:WDTRSCOP POINTID: 26000 TRANID:CECI SEQ: 27
MAJOB:WLM ENVRN:LMAS TYPE:LEVEL 26 TOD:14:05:33.34145 CLOCK:13:05:33.34145 DATE: 7/26/07
UOW(CPSM): SYSTM:MV30 NAME:CVMC0T1 CICS-TASK: 465 TASK-START:13:05:33.33915
```

```
ScopVect LEN:000FC ALET:00000000 ADDR:16407438
0 - 0CFC6EC5 E8E4E6D4 C5E8E4D9 E6E2E5C3 0C000900 00000000 00000000 00000000 *...>EYUWMEYURWSVC.....*
20 - 164074BC 00000009 00000001 00000000 00000000 00000000 00000000 00000000 *.....*
40 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
80 - 00000000 01FF0018 00036000 C3E5D4C3 F0C1F140 00000013 F00000C1 4121C28F *.....-..CVMCOA1.....0..A..B.*
A0 - 5C28F5C2 C3F0C1F1 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 01FF0018 **..5BCOA1001100000NE650.....*
C0 - 0004B900 00000000 00000000 00000000 F00000F9 4514C091 C28F5C28 00000000 *.....0..9..jB.*.....*
E0 - F000F2F1 00000000 F1D50000 00000000 00000000 01FF0018 0004E200 00000000 *0.21...1N.....S.....*
100 - 00000000 00000000 F00000F9 4514C091 C28F5C28 00000000 F000F2F1 00000000 *.....0..9..jB.*.....0.21...*

220 - F00000F9 4514C091 C28F5C28 00000000 F000F2F1 00000000 F1D50000 00000000 *0..9...jB.*.....0.21...1N.....*
240 - 00000000 01FF0018 00049000 C3E5D4C3 F0C1F240 00000011 F50000C1 41219999 *.....CVMCOA2.....5..A..rr*
260 - 99999999 C3F0C1F2 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 00000000 *rrrrCOA2001100000NE650.....*
280 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
LINES 2A0 - CC0 Same as above
CE0 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
```

Relocated element

DPL PGMIDERR



Complex DPL – Full trace

Scope vector elements broken out

TASK:01465 METHOD:WDTR PRIOR:XLOP **DEBUG:WDTRSCOP** POINTID: 26000 TRANID:CECI SEQ: 27
 MAJOB:WLM ENVRN:LMAS **TYPE:LEVEL 26** TOD:14:05:33.34145 CLOCK:13:05:33.34145 DATE: 7/26/07
 UOW(CPSM): SYSTM:MV30 NAME:CVMC0T1 CICS-TASK: 465 TASK-START:13:05:33.33915

```
ScopVect  LEN:000CFC      ALET:00000000 ADDR:16407438
0 - 0CFC6EC5 E8E4E6D4 C5E8E4D9 E6E2E5C3 0C000900 00000000 00000000 00000000 *...>EYUWMEYURWSVC.....*
20 - 164074BC 00000009 00000001 00000000 00000000 00000000 00000000 00000000 *.....*
40 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
80 - 00000000 .....*

0 - 01FF0018 00036000 C3E5D4C3 F0C1F140 00000013 F00000C1 4121C28F 5C28F5C2 *.....- CVMCOA1 ....0..A..B.*.5B*
20 - C3F0C1F1 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 *C0A1001100000NE650.....*

0 - 01FF0018 0004B900 00000000 00000000 00000000 F00000F9 4514C091 C28F5C28 *.....0..9...jB.*.
20 - 00000000 F000F2F1 00000000 F1D50000 00000000 00000000 *....0.21....1N.....*

220 - ..... LAST ENTRY .....*

0 - 01FF0018 00049000 C3E5D4C3 F0C1F240 00000011 F50000C1 41219999 99999999 *.....CVMCOA2 ....5..A..rrrrr*
20 - C3F0C1F2 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 *C0A2001100000NE650.....*
```

PGMIDERR

AOR is DOWN

AOR is NOT SELECTABLE



Complex DPL – Full trace

- DFHDYPDS returned to CICS – Route Error

```

TASK:01465  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDTRDTRC  POINTID: 27002  TRANID:CECI  SEQ: 37
MAJOB:WLM  ENVRN:LMAS  TYPE:LEVEL 27  TOD:14:05:33.34536  CLOCK:13:05:33.34536  DATE: 7/26/07
UOW(CPSM):  SYSTEM:MV30  NAME:CVMC0T1  CICS-TASK: 465  TASK-START:13:05:33.33915

DtrComm  LEN:000524  ALET:00000000  ADDR:14E71024
0 - F1D9E300 F7E8D500 00000000 C3F0C1F1 000AF400 C3E2D4C9 40404040 00000002 *1RT.7YN.....COA1..4.CSMI .....*
20 - 00000000 00000000 D5000001 C3E5D4C3 F0C1F140 D4C2D9E3 D5404040 D5D500D5 *.....N...CVMCOA1 MBRTN NN.N*
40 - 02078000 00000000 C5F6F5F0 E8000000 00000000 00000000 14E71138 00000000 *.....E650Y.....X.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 80 - E0 Same as above
100 - 00000000 E3C2C5D9 E3404040 00000000 00000000 FEEF1640 0148FEEF 00000000 *...TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 140 - 4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040 *.....*
    
```



Complex DPL – Full trace

- DFHDYPDS passed to EYU9XLOP – Route Error

```

TASK:01465  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDTRDTRC  POINTID: 27001  TRANID:CECI  SEQ: 38
MAJOB:WLM  ENVRN:LMAS  TYPE:LEVEL 27  TOD:14:05:33.34627  CLOCK:13:05:33.34627  DATE: 7/26/07
UOW(CPSM):  SYSTM:MV30  NAME:CVMC0T1  CICS-TASK: 465  TASK-START:13:05:33.34626

DtrComm  LEN:000524  ALET:00000000  ADDR:14E71024
0 - F1D9E300 F7D5E800 00000000 C3F0C1F1 000AF400 C3E2D4C9 40404040 00000003 *1RT.7NY.....C0A1..4.CSMI .....*
20 - 00000000 00000000 D5000001 C3E5D4C3 F0C1F140 D4C2D9E3 D5404040 D5D500D5 *.....N...CVMCOA1 MBRTN NN.N*
40 - 02078000 00000000 40404040 E8000000 00000000 00000000 14E71138 00000000 *.....Y.....X.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 80 - E0 Same as above
100 - 00000000 E3C2C5D9 E3404040 00000000 00000000 FEEF1640 0148FEEF 00000000 *....TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 140 - 4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040 *.....*
    
```



Complex DPL – Full trace

- Scope vector returned by SM_SCOPE processing

TASK:01465 METHOD:WDTR PRIOR:XLOP DEBUG:WDRSCOP POINTID: 26000 TRANID:CECI SEQ: 46
 MAJOB:WLM ENVRN:LMAS TYPE:LEVEL 26 TOD:14:05:33.34870 CLOCK:13:05:33.34870 DATE: 7/26/07
 UOW(CPSM): SYSTM:MV30 NAME:CVMC0T1 CICS-TASK: 465 TASK-START:13:05:33.34626

```
ScopVect  LEN:000CFC      ALET:00000000 ADDR:16407438
0 - 0CFC6EC5 E8E4E6D4 C5E8E4D9 E6E2E5C3 0C000900 00000000 00000000 00000000 *..>EYUWMEYURWSVC.....*
20 - 164074bc 00000009 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
40 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
80 - 00000000 01FF0018 0004B900 00000000 00000000 00000000 F0000F09 4514C091 *.....0..9..j*
A0 - C28F5C28 00000000 F000F2F1 00000000 F1D50000 00000000 00000000 01FF0018 *B*...0.21...1N.....*
C0 - 0004E200 00000000 00000000 00000000 F0000F09 4514C091 C28F5C28 00000000 *..S.....0..9..jB*.....*
E0 - F000F2F1 00000000 F1D50000 00000000 00000000 01FF0018 00051000 00000000 *0.21...1N.....*
100 - 00000000 00000000 F0000F09 4514C091 C28F5C28 00000000 F000F2F1 00000000 *.....0..9..jB*...0.21...*
1E0 - .....
200 - F1D50000 00000000 00000000 01FF0018 00049000 C3E5D4C3 F0C1F240 00000011 *1N.....CVMC0A2 ...*
220 - F50000C1 41219999 99999999 C3F0C1F2 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 *5..A..rrrrrrc0A2001100000NE650..*
240 - 00000000 01FF0018 00036000 C3E5D4C3 F0C1F140 00000013 F50000C1 4121C28F *.....-CVMC0A1 ...5..A..B.*
260 - 5C28F5C2 C3F0C1F1 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 00000000 *..5BC0A1001100000NE650.....*
280 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
LINES 2A0 - C0 Same as above
CE0 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
```

ELEMENTS with ERRORS



Complex DPL – Full trace

- Scope vector elements broken out

TASK:01465 METHOD:WDTR PRIOR:XLOP **DEBUG:WDTRSCOP** POINTID: 26000 TRANID:CECI SEQ: 46
 MAJOB:WLM ENVRN:LMAS **TYPE:LEVEL 26** TOD:14:05:33.34870 CLOCK:13:05:33.34870 DATE: 7/26/07
 UOW(CPSM): SYSTEM:MV30 NAME:CVMC0T1 CICS-TASK: 465 TASK-START:13:05:33.34626

```
ScopVect  LEN:000CFC      ALET:00000000 ADDR:16407438
0 - 0CFC6EC5 E8E4E6D4 C5E8E4D9 E6E2E5C3 0C000900 00000000 00000000 00000000 *...>EYUWMEYURWSVC.....*
20 - 164074BC 00000009 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
40 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
80 - 00000000 *.....*

0 - 01FF0018 0004B900 00000000 00000000 00000000 F00000F9 4514C091 C28F5C28 *.....0..9...jB.*.*
20 - 00000000 F000F2F1 00000000 F1D50000 00000000 00000000 *....0.21...1N.....*

220 - ..... LAST ENTRY ..... *.....*

0 - 01FF0018 00049000 C3E5D4C3 F0C1F240 00000011 F50000C1 41219999 99999999 *.....CVMC0A2 ....5..A..rrrrr*
20 - C3F0C1F2 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 *C0A2001100000NE650.....*

0 - 01FF0018 00036000 C3E5D4C3 F0C1F140 00000013 F50000C1 4121C28F 5C28F5C2 *.....-CVMC0A1 ....5..A..B.*.5B*
20 - C3F0C1F1 F0F0F1F1 F0F0F0F0 F0D5C5F6 F5F00000 00000000 *C0A1001100000NE650.....*
```


Complex DPL – Full trace

- DFHDYPDS returned to CICS – Route Error

```

TASK:01465  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDTRDTRC  POINTID: 27002  TRANID:CECI  SEQ: 48
MAJOB:WLM  ENVRN:LMAS  TYPE:LEVEL 27  TOD:14:05:33.34979  CLOCK:13:05:33.34979  DATE: 7/26/07
UOW(CPSM):  SYSTEM:MV30  NAME:CVMC0T1  CICS-TASK: 465  TASK-START:13:05:33.34626

DtrComm  LEN:000524  ALET:00000000  ADDR:14E71024
0 - F1D9E300 F7E8E800 00000000 C3F0E3F1 000AF400 C3E2D4C9 40404040 00000003 *1RT.7YY.....C0T1..4.CSMI .....*
20 - 00000000 00000000 D5000001 C3E5D4C3 F0E3F140 D4C2D9E3 D5404040 D5D500D5 *.....N...CVMC0T1 MBRTN NN.N*
40 - 02078000 00000000 C5F6F5F0 E8000000 00000000 00000000 14E71138 00000000 *.....E650Y.....X.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES    80 -    E0 Same as above
100 - 00000000 E3C2C5D9 E3404040 00000000 00000000 FEEF1640 0148FEEF 00000000 *....TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES    140 -   4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040
    
```



Complex DPL – Full trace

- DFHDYPDS passed to EYU9XLOP – Route Complete

TASK:01465 METHOD:WDTR PRIOR:XLOP **DEBUG:WDRDTRC** POINTID: 27001 TRANID:CECI SEQ: 49
 MAJOB:WLM ENVRN:LMAS **TYPE:LEVEL 27** TOD:14:05:33.35158 CLOCK:13:05:33.35158 DATE: 7/26/07
 UOW(CPSM): SYSTM:MV30 NAME:CVMC0T1 CICS-TASK: 465 TASK-START:13:05:33.35157

```
DtrComm  LEN:000524  ALET:00000000  ADDR:14E71024
0 - F2D9E300 40D5E800 00000000 C3F0E3F1 000AF400 C3E2D4C9 40404040 00000003 *2RT. NY.....COT1..4.CSMI ....*
20 - 00000000 00000000 D5000001 C3E5D4C3 F0E3F140 D4C2D9E3 D5404040 D5D500D5 *.....N...CVMC0T1 MBRTN NN.N*
40 - 02078000 00000000 40404040 E8000000 00000000 00000000 14E71138 00000000 *.....Y.....X.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 80 - E0 Same as above
100 - 00000000 E3C2C5D9 E3404040 00000000 00000000 FEEF1640 0148FEEF 00000000 *....TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES 140 - 4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040 *.....*
```



Complex DPL – Full trace

- DFHDYPDS returned to CICS – Route Complete

```

TASK:01465  METHOD:WDTR  PRIOR:XLOP  DEBUG:WDRDTRC  POINTID: 27002  TRANID:CECI  SEQ: 51
            MAJOB:WLM   ENVRN:LMAS  TYPE:LEVEL 27  TOD:14:05:33.35206  CLOCK:13:05:33.35206  DATE: 7/26/07
            UOW(CPSM):  SYSTM:MV30  NAME:CVMC0T1  CICS-TASK: 465  TASK-START:13:05:33.35157

DtrComm  LEN:000524  ALET:00000000  ADDR:14E71024
0 - F2D9E300 40D5E800 00000000 C3F0E3F1 000AF400 C3E2D4C9 40404040 00000003 *2RT. NY.....C0T1..4.CSMI .....*
20 - 00000000 00000000 D5000001 C3E5D4C3 F0E3F140 D4C2D9E3 D5404040 D5D500D5 *.....N...CVMC0T1 MBRTN NN.N*
40 - 02078000 00000000 40404040 E8000000 00000000 00000000 14E71138 00000000 *.....Y.....X.....*
60 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES      80 -      E0 Same as above
100 - 00000000 E3C2C5D9 E3404040 00000000 00000000 00000000 00000000 00000000 *....TBERT .....*
120 - 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
    LINES     140 -     4E0 Same as above
500 - 00000000 00000000 00000000 00000000 00000000 40404040 40404040 40404040 *.....*
520 - 40404040                                     *.....*
    
```

Tip – Limit Tracing Output

- From CICS
 - ▶ COD0 transaction
 - Issue command
 - **TRACE ON RESET**
 - **TRACE OFF STOP**
- From WUI
 - ▶ EYUSTARTCICSRGN_DETAILED
 - ▶ EYUSTARTCMAS_DETAILED
 - Modify “Auxiliary trace status” attribute
 - **Auxstop/Auxstart**
 - **Auxstop**

Summary

- Showed how/where to enable tracing
- Showed how to set level tracing for WLM
- Discussed DTR processing
- Explained DTR trace entries
- Went through simple Terminal Start trace example
- Went through complex DPL trace example
- Showed how to limit tracing output

Additional WebSphere Product Resources

- Discover the latest trends in WebSphere Technology and implementation, participate in technically-focused briefings, webcasts and podcasts at: www.ibm.com/developerworks/websphere/community/
- Learn about other upcoming webcasts, conferences and events: www.ibm.com/software/websphere/events_1.html
- Join the Global WebSphere User Group Community: www.websphere.org
- Access key product show-me demos and tutorials by visiting IBM Education Assistant: ibm.com/software/info/education/assistant
- Learn about the Electronic Service Request (ESR) tool for submitting problems electronically: www.ibm.com/software/support/viewlet/probsub/ESR_Overview_viewlet_swf.html
- Sign up to receive weekly technical My support emails: www.ibm.com/software/support/einfo.html

Questions and Answers



Complex DPL – Abbrev trace

TASK	MTD	PREV	TRAN	OBJ	LEVL	PT-ID	DEBUG	UOW	CMAS/USR	ENVR	LOCAL	TOD	GMT	CLOCK	DATE	SEQUENCE
01465	WDTR	XLOP	CECI	WLM	LV-27	27001	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:05:33.33273	13:05:33.33273	7/26/07		1	
01465	WDTR	XLOP	CECI	WLM	LV-23	23001	SM_SCOPE	CPSM	CVMC0T1	LMAS	14:05:33.33302	13:05:33.33302	7/26/07		2	
01465	WDTR	XLOP	CECI	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:05:33.33316	13:05:33.33316	7/26/07		3	
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.33332	13:05:33.33332	7/26/07		4	
01465	WDTR	XLOP	CECI	WLM	LV-23	23002	SM_SCOPE	CPSM	CVMC0T1	LMAS	14:05:33.33363	13:05:33.33363	7/26/07		5	
01465	WDTR	XLOP	CECI	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:05:33.33385	13:05:33.33385	7/26/07		6	
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.33400	13:05:33.33400	7/26/07		7	
01465	WDTR	XLOP	CECI	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:05:33.33416	13:05:33.33416	7/26/07		8	
01465	WDTR	XLOP	CECI	WLM	LV-23	23001	SM_BALAN	CPSM	CVMC0T1	LMAS	14:05:33.33438	13:05:33.33438	7/26/07		9	
01465	WDTR	XLOP	CECI	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:05:33.33454	13:05:33.33454	7/26/07		10	
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.33529	13:05:33.33529	7/26/07		11	
01465	WDTR	XLOP	CECI	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:05:33.33546	13:05:33.33546	7/26/07		12	
01465	WDTR	XLOP	CECI	WLM	LV-23	23002	SM_BALAN	CPSM	CVMC0T1	LMAS	14:05:33.33600	13:05:33.33600	7/26/07		13	
01465	WDTR	XLOP	CECI	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:05:33.33617	13:05:33.33617	7/26/07		14	
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.33668	13:05:33.33668	7/26/07		15	
01465	WDTR	XLOP	CECI	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:05:33.33689	13:05:33.33689	7/26/07		16	
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.33722	13:05:33.33722	7/26/07		17	
01465	WDTR	XLOP	CECI	WLM	LV-27	27002	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:05:33.33794	13:05:33.33794	7/26/07		18	
01465	WDTR	XLOP	CECI	WLM	LV-27	27001	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:05:33.33916	13:05:33.33916	7/26/07		19	
01465	WDTR	XLOP	CECI	WLM	LV-23	23001	SM_SCOPE	CPSM	CVMC0T1	LMAS	14:05:33.33935	13:05:33.33935	7/26/07		20	

Complex DPL – Abbrev trace

01465	WDTR	XLOP	CECI	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:05:33.33952	13:05:33.33952	7/26/07	21
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.33971	13:05:33.33971	7/26/07	22
01465	WDTR	XLOP	CECI	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:05:33.33986	13:05:33.33986	7/26/07	23
01465	WDTR	XLOP	CECI	WLM	LV-23	23002	SM_SCOPE	CPSM	CVMC0T1	LMAS	14:05:33.34067	13:05:33.34067	7/26/07	24
01465	WDTR	XLOP	CECI	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:05:33.34085	13:05:33.34085	7/26/07	25
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.34129	13:05:33.34129	7/26/07	26
01465	WDTR	XLOP	CECI	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:05:33.34145	13:05:33.34145	7/26/07	27
01465	WDTR	XLOP	CECI	WLM	LV-23	23001	SM_BALAN	CPSM	CVMC0T1	LMAS	14:05:33.34207	13:05:33.34207	7/26/07	28
01465	WDTR	XLOP	CECI	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:05:33.34247	13:05:33.34247	7/26/07	29
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.34267	13:05:33.34267	7/26/07	30
01465	WDTR	XLOP	CECI	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:05:33.34284	13:05:33.34284	7/26/07	31
01465	WDTR	XLOP	CECI	WLM	LV-23	23002	SM_BALAN	CPSM	CVMC0T1	LMAS	14:05:33.34339	13:05:33.34339	7/26/07	32
01465	WDTR	XLOP	CECI	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:05:33.34358	13:05:33.34358	7/26/07	33
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.34414	13:05:33.34414	7/26/07	34
01465	WDTR	XLOP	CECI	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:05:33.34432	13:05:33.34432	7/26/07	35
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.34489	13:05:33.34489	7/26/07	36
01465	WDTR	XLOP	CECI	WLM	LV-27	27002	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:05:33.34536	13:05:33.34536	7/26/07	37
01465	WDTR	XLOP	CECI	WLM	LV-27	27001	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:05:33.34627	13:05:33.34627	7/26/07	38
01465	WDTR	XLOP	CECI	WLM	LV-23	23001	SM_SCOPE	CPSM	CVMC0T1	LMAS	14:05:33.34648	13:05:33.34648	7/26/07	39
01465	WDTR	XLOP	CECI	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:05:33.34663	13:05:33.34663	7/26/07	40
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.34682	13:05:33.34682	7/26/07	41
01465	WDTR	XLOP	CECI	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:05:33.34697	13:05:33.34697	7/26/07	42

Complex DPL – Abbrev trace

01465	WDTR	XLOP	CECI	WLM	LV-23	23002	SM_SCOPE	CPSM	CVMC0T1	LMAS	14:05:33.34781	13:05:33.34781	7/26/07	43
01465	WDTR	XLOP	CECI	WLM	LV-24	24000	WDTRTDA	CPSM	CVMC0T1	LMAS	14:05:33.34797	13:05:33.34797	7/26/07	44
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.34854	13:05:33.34854	7/26/07	45
01465	WDTR	XLOP	CECI	WLM	LV-26	26000	WDTRSCOP	CPSM	CVMC0T1	LMAS	14:05:33.34870	13:05:33.34870	7/26/07	46
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.34929	13:05:33.34929	7/26/07	47
01465	WDTR	XLOP	CECI	WLM	LV-27	27002	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:05:33.34979	13:05:33.34979	7/26/07	48
01465	WDTR	XLOP	CECI	WLM	LV-27	27001	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:05:33.35158	13:05:33.35158	7/26/07	49
01465	WDTR	XLOP	CECI	WLM	LV-25	25000	WDTRWCOM	CPSM	CVMC0T1	LMAS	14:05:33.35177	13:05:33.35177	7/26/07	50
01465	WDTR	XLOP	CECI	WLM	LV-27	27002	WDTRDTRC	CPSM	CVMC0T1	LMAS	14:05:33.35206	13:05:33.35206	7/26/07	51