



IBM Software Group

IMS in a Sysplex....Making it manageable

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ON DEMAND BUSINESS™

Agenda

- Objectives of this call
- Product Highlights
- Problem Scenarios



How do you manage IMS in a Sysplex environment?

- Would having one point of control of IMS in a Sysplex environment make the management of IMS easier?
- Today, how do you debug what is holding a resource?
- Would it be helpful if you were notified of events such as....overflow, structure failures, structure rebuilds, log streams, etc...and be able to define thresholds?
- Would having the ability to see the definitions and status of resources real-time be helpful?

IBM's new IMS Sysplex Manager can help provide the solutions you need



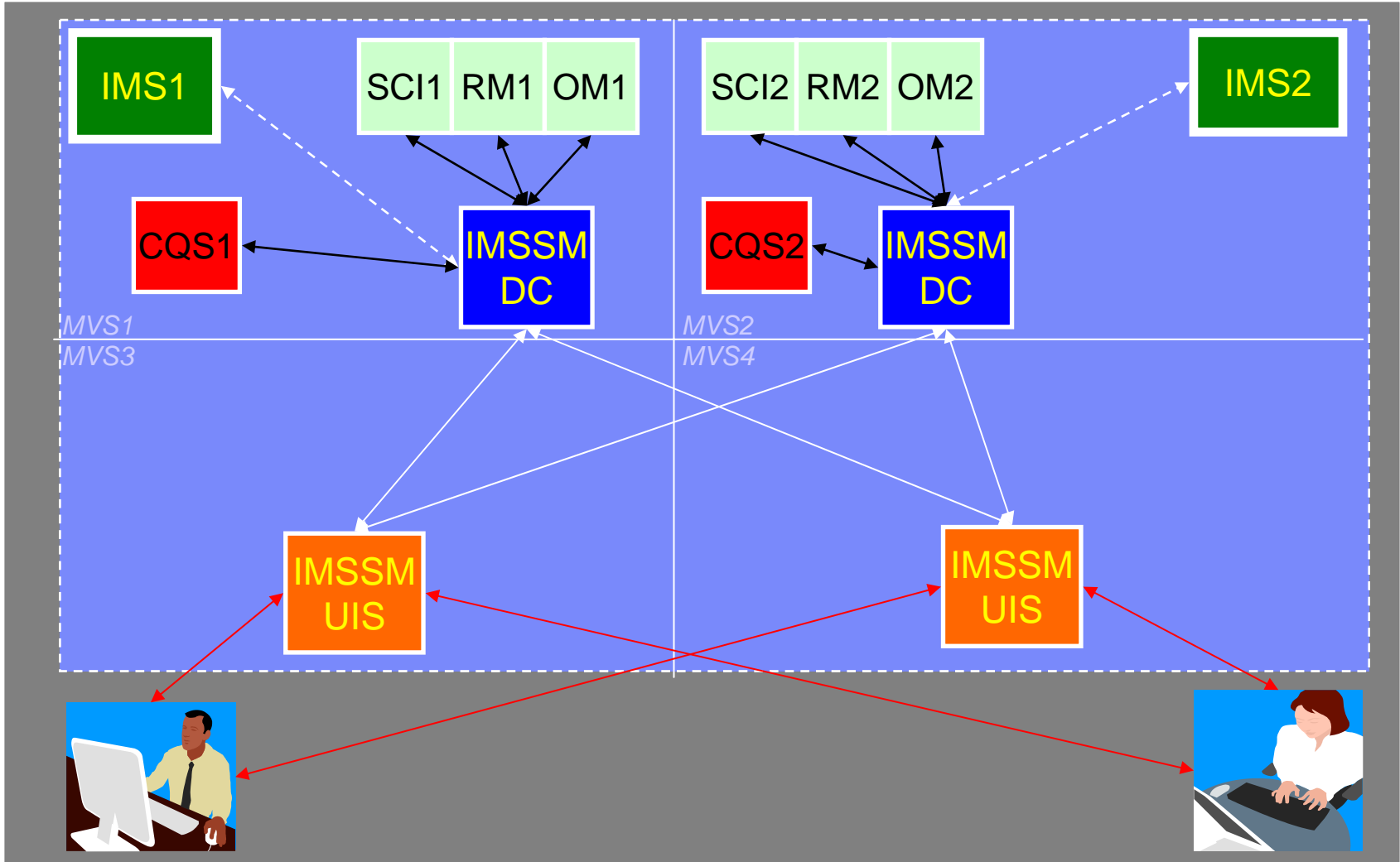
IMS Sysplex Manager Highlights

Real-time management of the IMS Sysplex Environment

- Single system image for management of IMS in a Sysplex
- Provides local and aggregate view of data
- Simplified User Interface (TSO/ISPF) to reduce operational complexity
- Structured displays of IMS related address spaces, CF structures and resources
- Recorded system exception and console alerts
- IMS type 1 ("/") local and global command support
- IMS type 2 integrated SPOC support
- IMS Data Sharing support
- IMS Shared Message Queues and CQS support
- IMSplex Operations Manager, Resource Manager and Structure Call Interface support
- Support IMS DB/TM, DBCTL, and DCCTL for IMS v8 and later



IMS Sysplex Manager Sample Configuration



Scenario 1 – Taking Inventory

Many address spaces – IMS Control Region, IMS DLI/SAS, IMS DBRC, IRLM, CQS, RM, OM, SCI, etc..

- How do you identify related IMS components across the Sysplex?
- What is the status of these components?
- What version of IMS components are involved?

IMS Sysplex Manger structured TSO/ISPF interface

- Guided display of all related IMS components across z/OS images
- Provides component id, task or job name, version, status
- Ability to drill-down to detailed component information



Component List

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                      IMSplex/SMplex Component List      Realtime snapshot
COMMAND ===>                SCROLL ===> HALF                          Row 1 to 10 of 11
                                     More: >

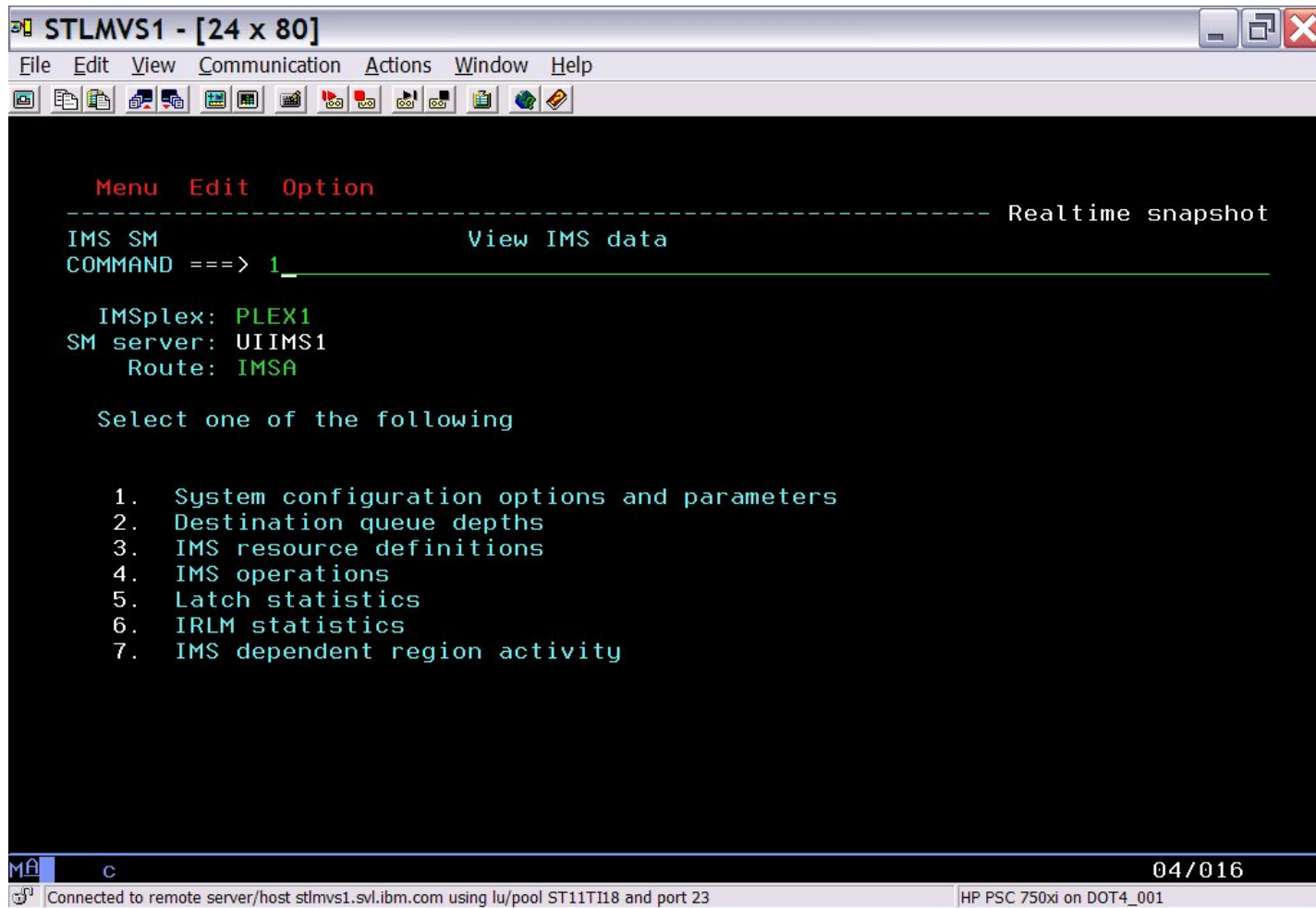
IMSplex: PLEX1
SM server: UIIMS1

Enter 's' or 'S' in the command line to obtain statistics related to
the selected component.
To exit without making a selection, enter END(PF3)

Cmd ID      Type  Version  OS-name  Jobname  DBRCname  DLIname  IRLMname  Status
-----
s_  IMSA   IMS   8.1.0   ECDBT09  IMSA      DBRRASBG  DLIRASBG  IRLME2N  READY
___  IMS1   IMS   8.1.0   ECDBT09  IMS1      DBRRASAG  DLIRASAG  IRLME2N  READY
___  CQS1   CQS   1.3.0   ECDBT09  CQSRG1
___  OM10M  OM    1.1.0   ECDBT09  OM1
___  RM1RM  RM    1.1.0   ECDBT09  RM1
___  SCI1SC  SCI   1.1.0   ECDBT09  SCI1
___  IMS2   IMS   8.1.0   ECDBT10  IMS2      DBRRASAG  DLIRASAG  IRLME2N  READY
___  CQS2   CQS   1.3.0   ECDBT10  CQSRG2
___  OM20M  OM    1.1.0   ECDBT10  OM2
___  RM2RM  RM    1.1.0   ECDBT10  RM2
-----
MA  c                                     15/003
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23  HP PSC 750xi on DOT4_001

```

IMS Menu Options



The screenshot shows a terminal window titled "STLMVS1 - [24 x 80]". The window has a menu bar with "File", "Edit", "View", "Communication", "Actions", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main content area is black with white text. At the top, it says "Menu Edit Option" followed by a dashed line and "Realtime snapshot". Below that, it says "IMS SM View IMS data" and "COMMAND ==> 1_". Then, it lists the following information: "IMSpIex: PLEX1", "SM server: UIIMS1", and "Route: IMSA". Below this, it says "Select one of the following" and lists seven options: 1. System configuration options and parameters, 2. Destination queue depths, 3. IMS resource definitions, 4. IMS operations, 5. Latch statistics, 6. IRLM statistics, and 7. IMS dependent region activity. At the bottom of the terminal window, there is a status bar with "c" on the left, "04/016" on the right, and a connection string: "Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11T118 and port 23".

```
STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
----- Realtime snapshot
IMS SM View IMS data
COMMAND ==> 1_
IMSpIex: PLEX1
SM server: UIIMS1
Route: IMSA
Select one of the following
1. System configuration options and parameters
2. Destination queue depths
3. IMS resource definitions
4. IMS operations
5. Latch statistics
6. IRLM statistics
7. IMS dependent region activity
c 04/016
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11T118 and port 23
HP PSC 750xi on DOT4_001
```


Scenario 2 – Managing IMS System Parameters

Many system run-time parameters

- Sources: DFSPBxxx, overrides via Control Region PARM=
- Which ones are being used?
- Are the parameters the same across the Sysplex?

System parameter display

- Real-time scrollable display of “resolved” values
- Parameter values across all IMS systems for easy comparison



IMS System Parameters

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM          System configuration options and parameters   Realtime snapshot
COMMAND ===>  Row 1 to 12 of 366
                SCROLL ===> HALF

    IMSplex: PLEX1          Date:          10/31/05
    SM server: UIIMS1      Time:          09:28:30
    Route: *

    Keyword
    IMSid Parameter  Description                               Value
    -----
    IMSA  ALOT       User auto logoff time, minutes           1440
    IMS1  ALOT       User auto logoff time, minutes           1440
    IMS2  ALOT       User auto logoff time, minutes           1440
    IMSA  AOIP       AOI pool upper limit, bytes             2147483647
    IMS1  AOIP       AOI pool upper limit, bytes             2147483647
    IMS2  AOIP       AOI pool upper limit, bytes             2147483647
    IMSA  AOIS       Cmd auth exit security option, A/C/N/R/S N
    IMS1  AOIS       Cmd auth exit security option, A/C/N/R/S N
    IMS2  AOIS       Cmd auth exit security option, A/C/N/R/S N
    IMSA  APPC       Activate APPC/IMS LU 6.2 support, Y/N   N
    IMS1  APPC       Activate APPC/IMS LU 6.2 support, Y/N   N
    IMS2  APPC       Activate APPC/IMS LU 6.2 support, Y/N   N
  
```

MA c 04/015

Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23 HP PSC 750xi on DOT4 Monday, October 31, 2005

Scenario 3 – Verifying IMS Resource Definitions

Resource definitions

- Transactions, Programs, Data Bases, Nodes, LTERMS, etc.
- Are the definitions the same across the Sysplex?
- What is the resource status across the Sysplex?
- How do you alter the status across the Sysplex?

Resource definition display

- Real-time scrollable display of resources
- Resource attributes and status across all IMS systems for easy comparison
- Integrated IMS Type 1 command interface to alter resource status



IMS Resource Definitions

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM          IMS Resource Information - Transactions      Realtime snapshot
COMMAND ===>    _____ SCROLL ===> HALF
Row 1 to 8 of 1,170

  IMSplex: PLEX1          Date:          10/31/05
  SM server: UIIMS1      Time:          12:09:27
  Route: *
  Transact.: *
                                     more: <>

Enter c under the Cmd to exec the IMS commands or
Enter any non blank character(except c) for details

  Cmd IMSid Tran  -----STATUS-----  -----SETTINGS-----
  Name Stop Pstop Purge Lock Qlock Qerr Ustop Sched Seq Trunc WFI
                Opt   Opt   Opt
  c_  IMSA  ADDINV   Y   Y   Y   N   N   N   1   N   N   N
  _   IMS1  ADDINV   N   N   N   N   N   N   1   N   N   N
  _   IMS2  ADDINV   N   N   N   N   N   N   1   N   N   N
  _   IMSA  ADDPART  N   N   N   N   N   N   1   N   N   N
  _   IMS1  ADDPART  N   N   N   N   N   N   1   N   N   N
  _   IMS2  ADDPART  N   N   N   N   N   N   1   N   N   N
  _   IMSA  APOL11  N   N   N   N   N   N   1   N   N   N
  _   IMS1  APOL11  N   N   N   N   N   N   1   N   N   N

MA  c
17/003
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23
HP PSC 750xi on DOT4_001
    
```



Scenario 4 – CSL Resource Management Structure

Common Service Layer RM Structure Content

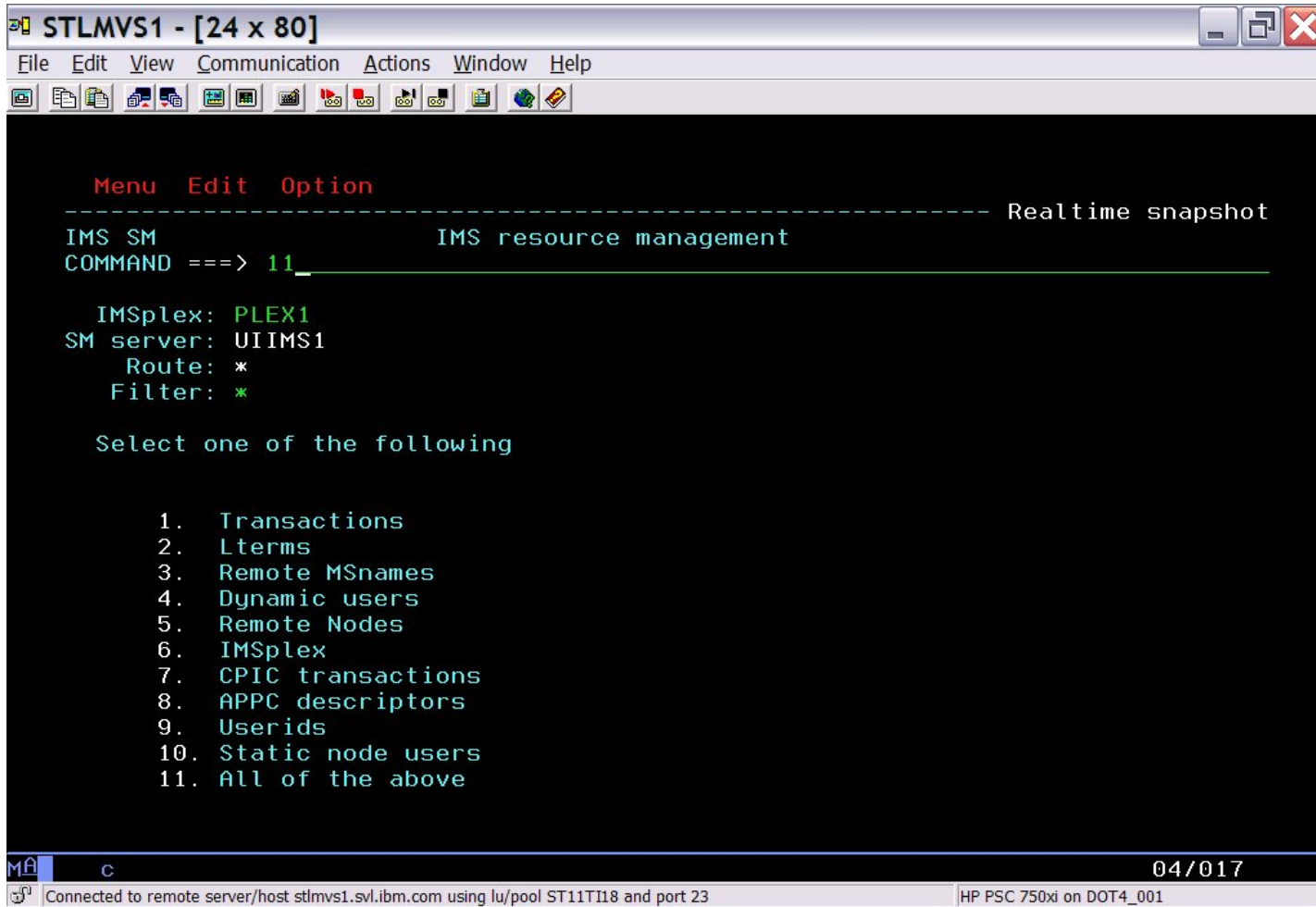
- Holds global status of IMS Resources in IMSplex
- Determines IMSplex wide status of Trans, LTERMs, Users
- No capability to view content
- No capability to alter/delete inconsistently defined resources

Resource Management Structure display

- Real-time display of structure content
- Selectable via resource type and name filtering
- Capability to delete selected resource definitions
- Eliminates need to scratch and reallocate resource structure



IMS Resource Structure Content



The screenshot shows a terminal window titled "STLMVS1 - [24 x 80]". The window has a menu bar with "File", "Edit", "View", "Communication", "Actions", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main content area displays the following text:

```
Menu Edit Option
----- Realtime snapshot
IMS SM                      IMS resource management
COMMAND ==> 11_

IMSpdex: PLEX1
SM server: UIIMS1
Route: *
Filter: *

Select one of the following

1. Transactions
2. Lterms
3. Remote MSnames
4. Dynamic users
5. Remote Nodes
6. IMSpdex
7. CPIC transactions
8. APPC descriptors
9. Userids
10. Static node users
11. All of the above
```

The terminal window also shows a status bar at the bottom with the following information:

MA c 04/017
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11T118 and port 23 HP PSC 750xi on DOT4_001

IMS Resource Structure Content

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                               RM resource information      Realtime snapshot
COMMAND ===>                         SCROLL ===> HALF
-----
IMSplex: PLEX1                        Date:          10/31/05
SM server: UIIMS1                     Time:          13:31:09
Route: *
Filter: *

Enter line command 'd' under Cmd to delete the resource.

Cmd Resource      Prompt      Resource-type  Version      Owner
-----
___ BHA2            TRANSACT    0000000000000001
___ BHF1            TRANSACT    0000000000000001
___ BHG3            TRANSACT    0000000000000001
d_ CONV12M0        TRANSACT    0000000000000001
___ CONV21C0        TRANSACT    0000000000000001
___ CONV21M1        TRANSACT    0000000000000001
___ CONV21U0        TRANSACT    0000000000000001
___ DSPINV          TRANSACT    0000000000000001
___ ETRAN29         TRANSACT    0000000000000001
___ GMC             TRANSACT    0000000000000001

M&  c 18/003
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23 HP PSC 750xi on DOT4_001
    
```



IMS Resource Structure Content

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                                RM resource information
COMMAND ==>                          Realtime snapshot
                                       Row 1 to 10 of 423
                                       SCROLL ==> HALF

  IMSplex:
  SM server:
  Route:
  Filter:

  Enter line
  Cmd Resourc
  ---
  ___ BHA2
  ___ BHF1
  ___ BHG3
  D  CONV12M
  ___ CONV21C
  ___ CONV21M
  ___ CONV21U
  ___ DSPINV
  ___ ETRAN29
  ___ GMC

  Confirm RM resource delete
  Resource name: CONV12M0
  Resource type: TRANSACT

  _ Set resource delete confirmation off

  Press ENTER to confirm delete.
  Press CANCEL or EXIT to cancel delete.

  ner
  -----

  TRANSACT 000000000000000001
  TRANSACT 000000000000000001
  TRANSACT 000000000000000001

MA c 11/017
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23 HP PSC 750xi on DOT4_001
    
```



Scenario 5 – IMS CF Structures

Growing use of Coupling Facility Structures

- Data Sharing, Shared Message Queues, Resource Manager
- No single source for list of in use structures and details

Coupling Facility Structure display

- Real-time display of structure list
- Statistics, Connections, Coupling Facility information



IMS Coupling Facility Structures

```

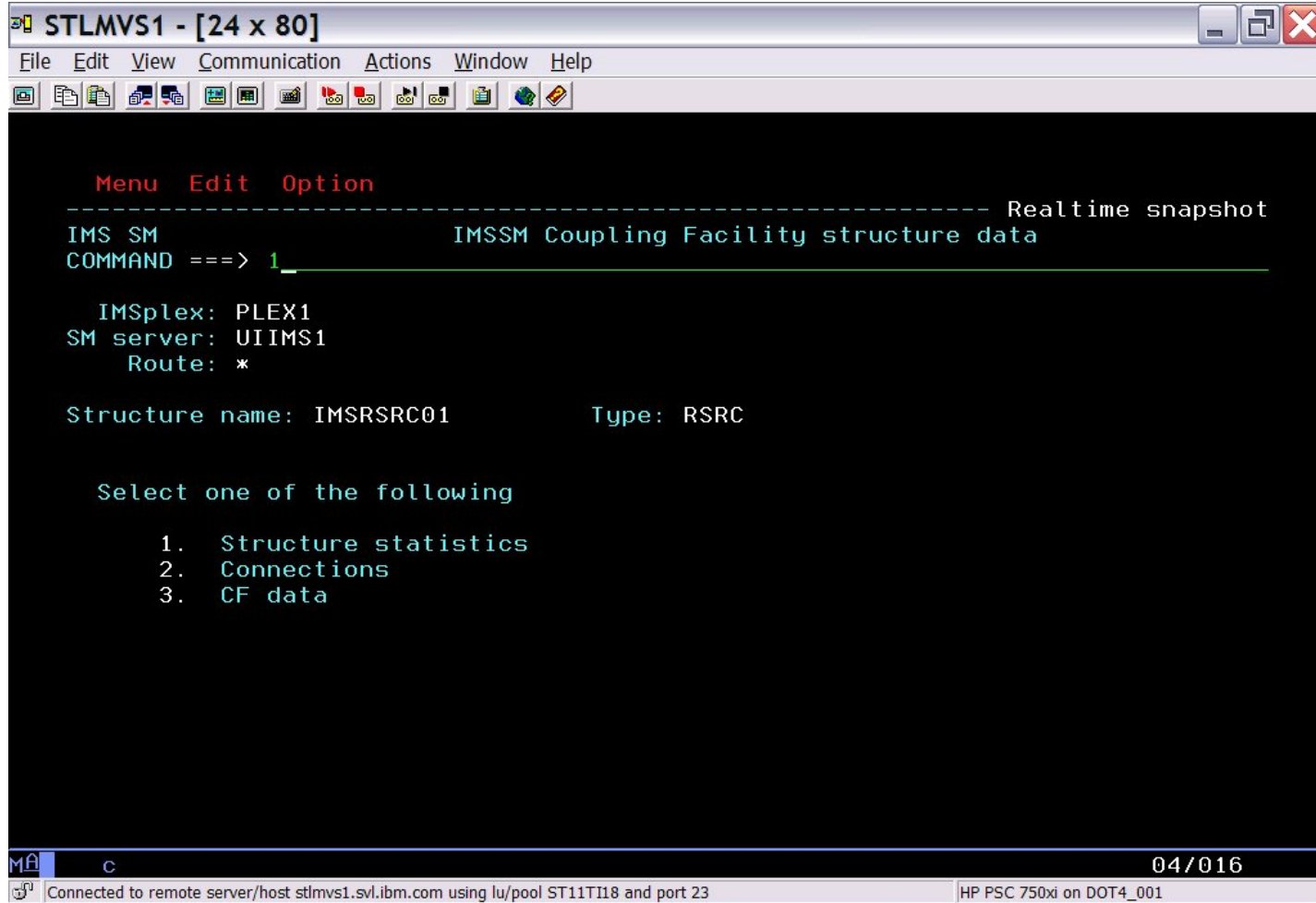
STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
Menu Edit Option
----- Realtime snapshot
IMS SM Coupling Facility structures Row 1 to 5 of 5
COMMAND ==> SCROLL ==> HALF

IMSplex: PLEX1 Date: 10/31/05
SM server: UIIMS1 Time: 13:36:46
Route: *

Enter 's' or 'S' to select a structure for statistics
-----
Cmd Structure name Type Status -Connections- ----Utilization---
Conns/Maxconns Entries Elements
-----
_ IMSMSGQ01 MSGQ ALLOCATED 2 / 32 0 % 0 %
_ IMSMSGQ010FLW OVFL UNALLOCATE 0 / 0 0 % 0 %
s_ IMSRSRC01 RSRC ALLOCATED 2 / 32 19 % 0 %
_ LT01 IRLM ALLOCATED 2 / 32 0 % 0 %
_ OSAMSESXI OSAM ALLOCATED 3 / 32 0 % 0 %
***** Bottom of data *****
M& c 16/004
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23 HP PSC 750xi on DOT4_001

```

IMS Coupling Facility Structures



The screenshot shows a terminal window titled "STLMVS1 - [24 x 80]". The window has a menu bar with "File", "Edit", "View", "Communication", "Actions", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main content area is black with white text. At the top, it says "Menu Edit Option". Below that, a dashed line separates the header "Realtime snapshot" from the main content. The main content displays "IMS SM" and "IMSSM Coupling Facility structure data". A command prompt "COMMAND ==> 1_" is shown. Below the command prompt, the following information is displayed: "IMSplex: PLEX1", "SM server: UIIMS1", and "Route: *". Further down, it shows "Structure name: IMSRSRC01" and "Type: RSRC". A prompt "Select one of the following" is followed by a list of three options: "1. Structure statistics", "2. Connections", and "3. CF data". At the bottom of the terminal window, there is a status bar with a small icon on the left, the letter "c" in the middle, and the date "04/016" on the right. Below the status bar, there is a connection information bar that reads "Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23" and "HP PSC 750xi on DOT4_001".

```
STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help

----- Realtime snapshot
IMS SM                               IMSSM Coupling Facility structure data
COMMAND ==> 1_

  IMSplex: PLEX1
  SM server: UIIMS1
  Route: *

Structure name: IMSRSRC01             Type: RSRC

Select one of the following

  1. Structure statistics
  2. Connections
  3. CF data

c                                     04/016
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23  HP PSC 750xi on DOT4_001
```

IMS Coupling Facility Structures

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                      CF structure statistics      Realtime snapshot
COMMAND ==> _____ Row 1 to 12 of 22
                          SCROLL ==> HALF

  IMSplex: PLEX1                Date:          10/31/05
  SM server: UIIMS1            Time:          13:36:46
  Route: *

Structure name: IMSR SRC01      Type: RSRC

STRUCTURE STATISTICS
Entry count. . . . . : 430
Element count. . . . . : 14
Maximum entry count. . . . . : 2,161
Maximum element count. . . . . : 2,160
Entry ratio. . . . . : 1
Element ratio. . . . . : 1
Entries in use (%). . . . . : 19
Elements in use (%). . . . . : 0

Policy size. . . . . : 2,048K
Policy initial size. . . . . : 0K

MA  c                                                                    04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23  HP PSC 750xi on DOT4_001

```

IMS Coupling Facility Structures

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM          Coupling Facility structure connections      Realtime snapshot
COMMAND ===> _____ Row 1 to 2 of 2
                               SCROLL ===> HALF

IMSplex: PLEX1          Date:          10/31/05
SM server: UIIMS1      Time:          13:36:46
Route: *

Structure name: IMSR SRC01      Type: RSRC

Connection name  ID      Version  OS-name  Jobname  ASID      Status
-----
CQSCQS1CQS      0001  0001007B ECDBT09  CQSRG1  00000026  ACTIVE
CQSCQS2CQS      0002  0002001B ECDBT10  CQSRG2  00000026  ACTIVE
***** Bottom of data *****
    
```

04/015

Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23 HP PSC 750xi on DOT4_001

IMS Coupling Facility Structures

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                               Coupling Facility data      Realtime snapshot
COMMAND ===> _____          Row 1 to 12 of 12
                                   SCROLL ===> HALF

    IMSplex: PLEX1                    Date:          10/31/05
    SM server: UIIMS1                 Time:          13:36:46
    Route: *

Structure name: IMSRSRC01             Type: RSRC

COUPLING FACILITY DATA
ID. . . . . : 0000DCFF3
Name (node descriptor). . . . . : LF03
Side indicator (0 or 1) . . . . . : 1
Mode (PP or SI) . . . . . : SI
LPAR partition number . . . . . : 0
Node type . . . . . : SIMDEV
Model number. . . . . : 001
Node manufacturer . . . . . : IBM
Manufacturer plantid. . . . . : EN
Sequence number . . . . . : ND0300000000
CPCID . . . . . : 00000

Mâ c 04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23 HP PSC 750xi on DOT4_001

```


Scenario 6 – Data Sharing Long Locks

DB Lockouts by applications holding IRLM locks for an inordinate amount of time

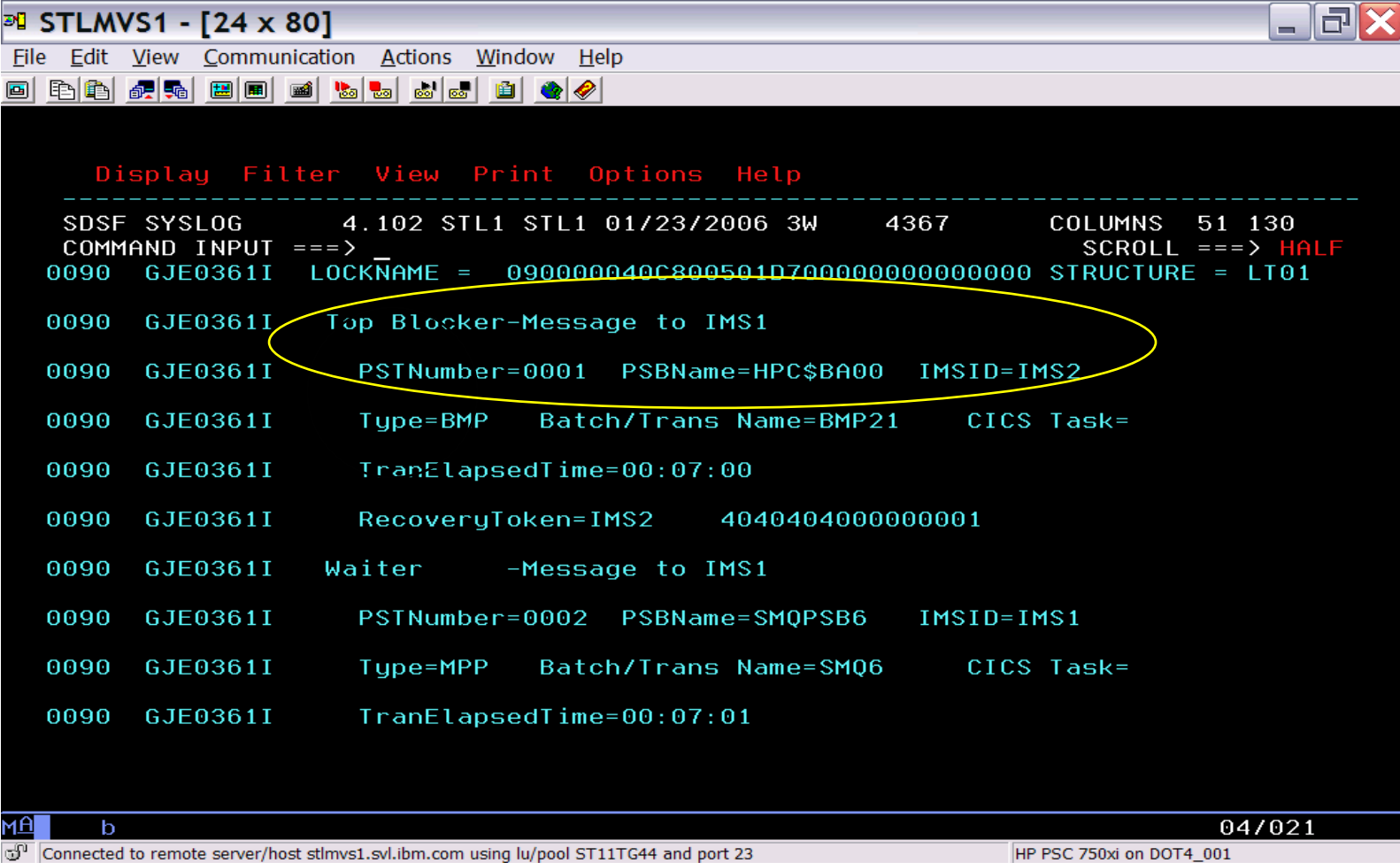
- Could go unrecognized until it becomes critical
- Lack of supported tools to assist in recognition and identification of problem
- Manual intervention required to resolve

Exception processing for Long Locks

- Automatic real-time recognition when IRLM detects
- Information consolidated, analyzed for top blocker, and presented
- Information recorded in exceptions file and sent to z/OS console
- Easy to build automated operations to resolve
- Problem quickly resolved without manual intervention



Data Sharing Long Lock Exceptions



```
STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Display Filter View Print Options Help
-----
SDSF SYSLOG      4.102 STL1 STL1 01/23/2006 3W      4367      COLUMNS 51 130
COMMAND INPUT ==> _
0090 GJE0361I LOCKNAME = 090000040C800501D700000000000000 STRUCTURE = LT01
0090 GJE0361I Top Blocker-Message to IMS1
0090 GJE0361I PSTNumber=0001 PSBName=HPC$BA00 IMSID=IMS2
0090 GJE0361I Type=BMP Batch/Trans Name=BMP21 CICS Task=
0090 GJE0361I TranElapsedTime=00:07:00
0090 GJE0361I RecoveryToken=IMS2 40404040000000001
0090 GJE0361I Waiter -Message to IMS1
0090 GJE0361I PSTNumber=0002 PSBName=SMQPSB6 IMSID=IMS1
0090 GJE0361I Type=MPP Batch/Trans Name=SMQ6 CICS Task=
0090 GJE0361I TranElapsedTime=00:07:01
MA b 04/021
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TG44 and port 23 HP PSC 750xi on DOT4_001
```

Data Sharing Long Lock Exceptions

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Display Filter View Print Options Help
-----
SDSF SYSLOG      4.103 STL2 STL2 01/24/2006 2W      5721      COLUMNS 51 130
COMMAND INPUT ==>
0290 R 15,/STO REGION JOBNAME BMP21      ABDUMP.
0090 IEE600I REPLY TO 15 IS;/STO REGION JOBNAME BMP21      ABDUMP.
0090 DFS058I 10:09:46 STOP COMMAND IN PROGRESS      IMS2
0090 *16 DFS996I *IMS READY*      IMS2
0090 DFS554A BMP21      00001 BMP      HPC$BA00(2)      000,0474 PSB
      2006/024 10:09:47 IMS2
0090 DFS552I BATCH      REGION BMP21      STOPPED ID=00001 TIME=1009      IMS2
0090 WTSC      |S WTSC      THIS |W (AUTOMASTER |DFS970I 9:09:|GJE2201I DATA
      |GJE2200I IMS $|DFS554A BMP21 |DFS552I BATCH |
0090 IEA995I SYMPTOM DUMP OUTPUT 520
0090 USER COMPLETION CODE=0474
0090 TIME=10.09.46 SEQ=00065 CPU=0000 ASID=002D
0090 PSW AT TIME OF ERROR 078D1000      9130664A ILC 2      INTC 01
0090 ACTIVE LOAD MODULE      ADDRESS=113058B0      OFFSET=00000D9A
0090 NAME=DFSREXX1
0090 DATA AT PSW 11306644 - 5410AEF8 0A015850 92695860
0090 AR/GR 0: 80C62A4A/00000001      1: 00000000/1130C518
0090      2: 00000000/000069B0      3: 00000000/000000FF
0090      4: 00000000/1130C518      5: 00000000/113252D8
0090      6: 00000000/000000FF      7: 00000000/00000000
-----
M&A c 04/021
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TJ76 and port 23 HP PSC 750xi on DOT4_001

```

Scenario 7 – Real-time IRLM Locking Display

Identify resource contention

- Which IMS, dependent region, application is holding resources
- Untangle queue of holder/waiters
- Determine resources with contention

Display of resources with contention

- Select by dependent region and drill down to resource
- Select by resource and drill down to dependent region



Real-time Locking Display

```
STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
Realtime snapshot
IMS SM IRLM Locks
COMMAND ===> 2_
-----
IMSpLex: PLEX1
SM server: UIIMS1
Route: *
-----
Select one of the following
-----
1. IRLM locks held by dependent regions
2. IRLM locks held by resource
3. IRLM lock contentions by dependent regions
4. IRLM lock contentions by resource
-----
File Edit Edit_Settings Menu Utilities Compilers Test Help
-----
MA b 04/016
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI05 and port 23
HP PSC 750xi on DOT4_001
```

Real-time Locking Display

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                                IRLM locks held by resource
COMMAND ===> _____          Realtime snapshot
                                     Row 1 to 1 of 1
                                     SCROLL ===> HALF

IMSplex: PLEX1                        Date: 02/02/06
SM server: UIIMS1                     Time: 08:19:28
Route: *

Enter any non blank character to see holder/waiter information

Cmd DBName          RBA          DCB Lock Global/ Waiter
                   Number        Number Type Local  Count
s_ DBHDOK01 00000000000040C00 1 P G 1
***** Bottom of data *****

File Edit Edit_Settings Menu Utilities Compilers Test Help
-----
MA b
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI05 and port 23
HP PSC 750xi on DOT4 5 of 24 - Clipboard Item collected.

```


Scenario 8 – Managing Dependent Regions

Transaction workload back-logged

- What dependent regions are available?
- What transaction classes do they handle?
- Are they occupied with work?
- What are they doing?

Scrollable list of all dependent regions across Sysplex

- Enhanced IMS /DISPLAY ACTIVE REG
- Displays overall DL/I DB/TM call counts
- Resequenced by primary or secondary classes
- Drill down to lower level of detail



Dependent Region Display

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                      IMS dependent region activity
COMMAND ===>                Realtime snapshot
                               Row 1 to 3 of 3
                               SCROLL ===> PAGE

  IMSplex: PLEX1             Date:          01/26/06
  SM server: UIIMS1         Time:          07:58:56
  Route: *
                               more: >>
Enter any non blank character(s) to select a region for detailed activity

Cmd IMS Rgn  Type Jobname  Trancode Program  Status          ----Classes----
s_  IMS1   2    TP  MPP02    SMQ6     SMQPSB6  ACTIVE          1  2  3  4
_   IMS1   1    TP  MPP01                    WAIT-UNKNOWN  1  2  3  4
_   IMS2   1    BMP BMP21                    HPC$BA00  ACTIVE          0  0  0  0
***** Bottom of data *****
. . . . .
MA  b                                                                    13/003
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23  HP PSC 750xi on DOT4_001

```

Dependent Region Display

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                      IMS dependent region activity
COMMAND ===> _____ Realtime snapshot
                               Row 1 to 9 of 129
                               SCROLL ===> PAGE

IMSplex: PLEX1                Date:          01/26/06
SM server: UIIMS1            Time:          08:00:10
Route: IMS1

Jobname:      MPP02
Region-id:    2  Type:    TP  Status:      ACTIVE  Classes:   1   2   3   4
PSBname:      SMQPSB6  TRANCOD:    SMQ6
In Cross Memory Window state: Y

REQUESTS TO QMGR:
Userid. . . . . : SMQLTM08
Userid indicator. . . . . : L
Originating Input Lterm . . : SMQLTM08
LU6.2 network identifier . . :
Date/time when message rcvd: 01/26/06
                               07:46:15.5

QUEUE MANAGER BUFFER COUNTS:
Short buffer . . . . . : 0
. . . . .
. . . . .

Mf b 04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23 HP PSC 750xi on DOT4_001

```

Dependent Region Display

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                      IMS dependent region activity          Realtime snapshot
COMMAND ==>> _____ SCROLL ==>> HALF

  IMSplex: PLEX1                Date:          02/02/06
  SM server: UIIMS1            Time:          08:22:00
  Route: IMS1

  Jobname:      MPP02
  Region-id:    2  Type:  TP  Status:          ACTIVE  Classes:  1  2  3  4
  PSBname:      SMQPSB6  TRANCODE:      SMQ6
  In Cross Memory Window state: Y

PCB INFORMATION SECTION . . . :
PCB Type-TP/DB PCB . . . . . :      DB-PCB
Status code . . . . . :
PCB name . . . . . :
DBD name . . . . . :      DBHDOK01
Terminal name . . . . . :      N/A
Segment name feedback . . . . :      HDAM
Function code . . . . . :      GHU
Processing option . . . . . :      AP

MA  b                                     04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI05 and port 23  HP PSC 750xi on DOT4_001

```

Dependent Region Display

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                      IMS dependent region activity      Row 102 to 110 of 129
COMMAND ===> _____ SCROLL ===> PAGE

  IMSplex: PLEX1              Date:          01/26/06
  SM server: UIIMS1          Time:          08:00:10
  Route: IMS1

  Jobname:   MPP02
  Region-id: 2  Type:  TP  Status:          ACTIVE  Classes:   1   2   3   4
  PSBname:   SMQPSB6  TRANCODE:   SMQ6
  In Cross Memory Window state: Y

MSG calls:                      DB calls:
DL/I MSG GU   CALLS. . . . . 1 DL/I DB GU   CALLS . . . . . 0
DL/I MSG GN   CALLS. . . . . 0 DL/I DB GN   CALLS . . . . . 0
DL/I MSG CHNG CALLS. . . . . 0 DL/I DB GNP  CALLS . . . . . 0
DL/I MSG ISRT CALLS. . . . . 0 DL/I DB GHU  CALLS . . . . . 1
DL/I MSG PURG CALLS. . . . . 0 DL/I DB GHN  CALLS . . . . . 0
DL/I MSG CMD  CALLS. . . . . 0 DL/I DB GHNP CALLS . . . . . 0
DL/I MSG GCMD CALLS. . . . . 0 DL/I DB ISRT CALLS . . . . . 0
DL/I MSG AUTH CALLS. . . . . 0 DL/I DB DLET CALLS . . . . . 0
. . . . .
. . . . .
. . . . .

MA b 04/015
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```

Scenario 9 – Aggregated IRLM Statistics

Managing the well being of IRLM(s)

- Deadlocks, false contentions, storage utilization?
- Multiple IRLMs to check

Information gathered from IRLMs across Sysplex

- Aggregated into single system image
- Drill down for information from individual IRLMs



Aggregated IRLM Statistics

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                      Aggregated IRLM statistics
COMMAND ===> _____ Realtime snapshot
                               Row 1 to 9 of 51
                               SCROLL ===> HALF

IMSplex: PLEX1                Date: 01/26/06
SM server: UIIMS1             Time: 08:11:48
Route: *

Enter 's' to view detailed IRLM statistics. s _

Description                    Value
-----
GLOBAL ACTIVITY COUNTERS:
Total global LOCK request. . . . . : 2,014
Child locks propagated . . . . . : 0
IRLM to IRLM notify request. . . . . : 0

REQUESTS
Lock . . . . . : 2,122
Unlock . . . . . : 1,115
Change . . . . . : 0
. . . . . : . . . . .
. . . . . : . . . . .

Mâ b 10/050
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23 HP PSC 750xi on DOT4_001
    
```


Aggregated IRLM Statistics

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                                IRLM statistics
COMMAND ===> _____ SCROLL ==> HALF
-----
IMSplex: PLEX1                        Date: 01/26/06
SM server: UIIMS1                     Time: 08:23:48
Route: *
-----
IMSid  Description                               Value
-----
IMS1   GLOBAL ACTIVITY COUNTERS:
IMS1   Total global LOCK request. . . . . : 2,001
IMS1   Child locks propagated . . . . . : 0
IMS1   IRLM to IRLM notify request. . . . . : 0
IMS1
IMS1   REQUESTS
IMS1   Lock . . . . . : 2,083
IMS1   Unlock . . . . . : 1,084
IMS1   Change . . . . . : 0
-----
M&#160; b                                04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23 HP PSC 750xi on DOT4_001
    
```



Aggregated IRLM Statistics

STLMVS1 - [24 x 80]

File Edit View Communication Actions Window Help

Menu Edit Option

----- Realtime snapshot
 IMS SM IRLM statistics Row 72 to 80 of 142
 COMMAND ==> SCROLL ==> HALF

IMSplex: PLEX1 Date: 01/26/06
 SM server: UIIMS1 Time: 08:23:48
 Route: *

IMSid	Description	Value
IMS2	GLOBAL ACTIVITY COUNTERS:	
IMS2	Total global LOCK request	13
IMS2	Child locks propagated	0
IMS2	IRLM to IRLM notify request	0
IMS2	REQUESTS	
IMS2	Lock	39
IMS2	Unlock	31
IMS2	Change	0

M&A b 04/015

Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23 HP PSC 750xi on DOT4_001



Scenario 10 – IMS Commands

Issue Type 1 command to all IMS systems

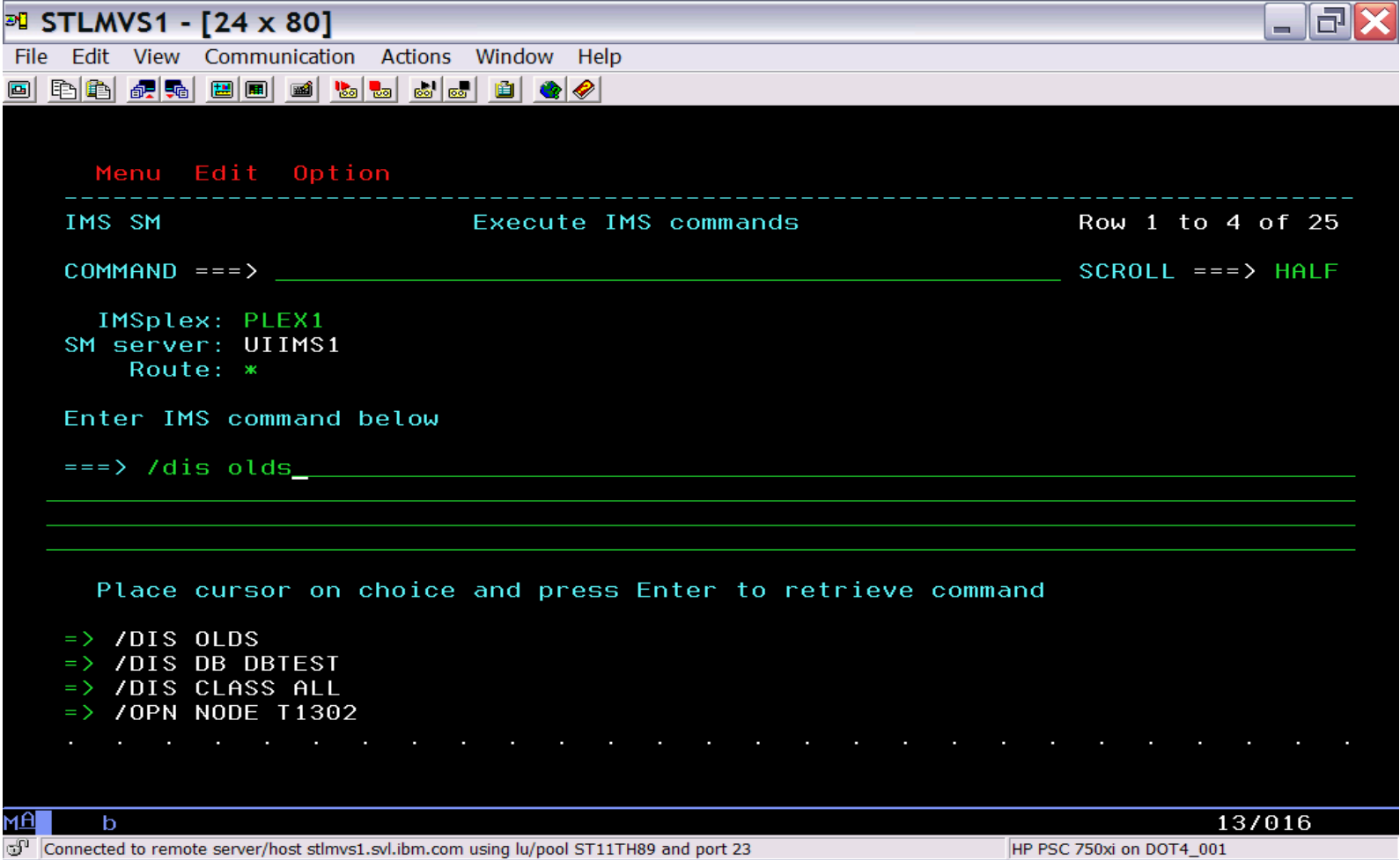
- Display same resource type across Sysplex
- Alter resource status across Sysplex
- With or without use of IMS Operations Manager

Command issued to each IMS system

- Output recorded to command file
- ISPF Browse(view) used to display result
- Scrollable, Primary and line commands (find, exclude, etc.)
- Retrievable list of previously entered commands



IMS Commands



```
STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                               Execute IMS commands          Row 1 to 4 of 25
COMMAND ===> _____ SCROLL ===> HALF

  IMSplex: PLEX1
  SM server: UIIMS1
  Route: *

Enter IMS command below

===> /dis olds_

Place cursor on choice and press Enter to retrieve command

=> /DIS OLDS
=> /DIS DB DBTEST
=> /DIS CLASS ALL
=> /OPN NODE T1302
. . . . .

MA b 13/016
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23 HP PSC 750xi on DOT4_001
```

IMS Commands

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
File Edit Edit_Settings Menu Utilities Compilers Test Help
-----
VIEW          USRT002.BOB2.OUTPUT                      Columns 00001 00072
Command ==> _                                         Scroll ==> HALF
***** Top of Data *****
000001 *-----*
000002 * FIRST Response from: IMS1                      *
000003 *-----*
000004
000005 W70 OLDS-DDNAME % FULL RATE ARCH-JOB          ARCH-STATUS  OTHER-STATUS
000006 W00 *DFSOLP02                82      0                AVAILABLE  IN USE
000007 W00  DFSOLP01                                AVAILABLE
000008 W00  DFSOLP00                                AVAILABLE
000009 W00  DFSOLP03                                AVAILABLE
000010
000011 W01  SINGLE OLDS LOGGING, SINGLE WADS LOGGING
000012 W02  AUTOMATIC ARCHIVE = 01
000013 W03  WADS = *DFSWADS0 DFSWADS1
000014 W04  SLDSREAD ON
000015 X99 *06026/095526*
000016 *-----*
000017 * FIRST Response from: IMS2                      *
000018 *-----*
. . . . .
MA  b                                                    04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23  HP PSC 750xi on DOT4_001

```

IMS Commands

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
File Edit Edit_Settings Menu Utilities Compilers Test Help
-----
VIEW          USRT002.BOB2.OUTPUT          Columns 00001 00072
Command ===> _          Scroll ===> HALF
000016 *-----*
000017 * FIRST Response from: IMS2          *
000018 *-----*
000019
000020 W70 OLDS-DDNAME % FULL RATE ARCH-JOB      ARCH-STATUS  OTHER-STATUS
000021 W00 *DFSOLP01          5      0          AVAILABLE    IN USE
000022 W00 DFSOLP00          AVAILABLE
000023 W00 DFSOLP03          AVAILABLE
000024 W00 DFSOLP02          AVAILABLE
000025
000026 W01 SINGLE OLDS LOGGING, SINGLE WADS LOGGING
000027 W02 AUTOMATIC ARCHIVE = 01
000028 W03 WADS = *DFSWADS0 DFSWADS1
000029 W04 SLDSREAD ON
000030 X99 *06026/095847*
***** ***** Bottom of Data *****
. . . . .
Mâ b 04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23 HP PSC 750xi on DOT4_001

```

Scenario 11 – CQS Shared Message Queues

Managing CQS for Shared Queues

- Lack of tools to obtain CQS statistical information
- Required to optimize Shared Queues environment

List of Shared Queue Structures in use

- High level information
- Drill down to levels of detail
- Structure statistics
- CQS processing counters
- Structure rebuild statistics
- Structure checkpoint statistics



CQS Shared Message Queues

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                      IMS Common Queue Server structures      Realtime snapshot
COMMAND ===>                SCROLL ===> HALF      Row 1 to 2 of 2

  IMSplex: PLEX1              Date:          01/26/06
  SM server: UIIMS2          Time:          10:25:41
  Route: *
Enter any non blank character to select a structure for statistics

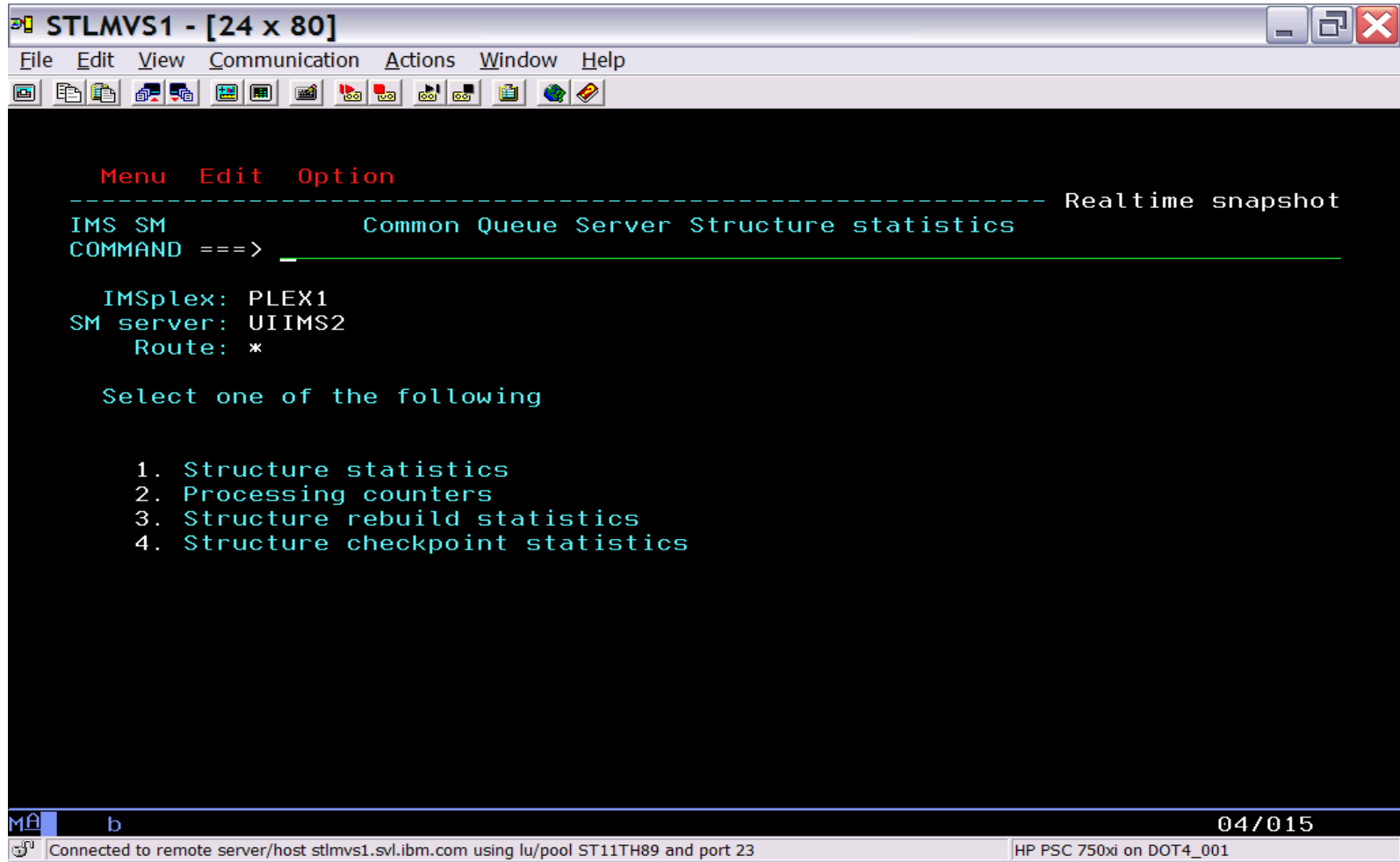
          ---Utilization---
CMD Structure      Name                Entries      Elements
-----
_  EMHQ            IMSEMHQ01           1 %          1 %
  OVFL            NOT-CONNECTED       0 %          0 %

s_ PRIM            IMSMSGQ01           5 %          11 %
  OVFL            NOT-CONNECTED       0 %          0 %

***** Bottom of data *****
Mâ  b                                                                17/004
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23  HP PSC 750xi on DOT4_001

```

CQS Shared Message Queues



The screenshot shows a terminal window titled "STLMVS1 - [24 x 80]". The window has a menu bar with "File", "Edit", "View", "Communication", "Actions", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main content area is black with white and red text. The text is as follows:

```
Menu Edit Option
----- Realtime snapshot
IMS SM          Common Queue Server Structure statistics
COMMAND ===> _____

IMSplex: PLEX1
SM server: UIIMS2
Route: *
```

Select one of the following

1. Structure statistics
2. Processing counters
3. Structure rebuild statistics
4. Structure checkpoint statistics

At the bottom of the terminal window, there is a status bar with the following information:

MA b 04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23 HP PSC 750xi on DOT4_001

CQS Shared Message Queues

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
----- Realtime snapshot
IMS SM          Common Queue Server structure statistics
COMMAND ===>
  IMSplex: PLEX1
  SM server: UIIMS2          Date:          01/26/06
  Route: *                  Time:          10:25:41
  Primary structure name : IMSMSGQ01      Type: PRIM
  Overflow structure name: NOT-CONNECTED  Type: OVFL
  Checkpoint
  System . . . . . : 0
  Structure . . . . . : 1
  Rebuild . . . . . : 2
  Overflow threshold processing . . . . . : 0
  Entry counts
  Total . . . . . : Primary      Overflow
  Maximum . . . . . : 1,016      0
  Entry ratio . . . . . : 18,084  0
  Percentage in use . . . . . : 1      0
  Element counts
  Total . . . . . : 5      0
  Maximum . . . . . : 11     0
  Element ratio . . . . . : 1      0
  Percentage in use . . . . . : 11     0
  
```

MA b 04/015

Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23 HP PSC 750xi on DOT4_001

CQS Shared Message Queues

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM          Common Queue Server processing counters      Realtime snapshot
COMMAND ==>    _____      Row 1 to 15 of 38
                                           SCROLL ==> PAGE

IMSplex: PLEX1          Date:          01/26/06
SM server: UIIMS2      Time:          10:25:41
Route: *

Requests:
CQSBWSE. . . . . 0
CQSCHKPT. . . . . 0
CQSCONN . . . . . 0
CQSDDEL . . . . . 0
CQSDISC . . . . . 0
CQSINFRM. . . . . 0
CQSMOVE . . . . . 0
CQSPUT . . . . . 0
CQSQUERY. . . . . 10
CQSREAD . . . . . 0
CQSRECVR. . . . . 0
CQSRSYNC. . . . . 0
CQSUNLCK. . . . . 0

MA b 04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23
HP PSC 750xi on DOT4_001
    
```



CQS Shared Message Queues

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM          Common Queue Server processing counters      Realtime snapshot
COMMAND ==>> _____ Row 16 to 30 of 38
                                SCROLL ==>> PAGE

    IMSplex: PLEX1          Date:          01/26/06
    SM server: UIIMS2       Time:          10:25:41
    Route: *

MVS requests:
IXGWRITE (MVS LOGGER) . . . . . 4
IXGBRWSE (MVS LOGGER) . . . . . 0
IXLLIST DEQ EVENTQ. . . . . 2
IXLLIST WRITE . . . . . 2,039
IXLLIST READ. . . . . 2,044
IXLLIST MOVE. . . . . 0
IXLLIST DELETE. . . . . 2
IXLMG . . . . . 9
IXLUSYNC. . . . . 0

Data object:
PUT Object. . . . . 0
PUT object and commit UOW . . . . . 0
PUT Non-recoverable Object. . . . . 0

MA b
04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23
HP PSC 750xi on DOT4_001
  
```

CQS Shared Message Queues

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
----- Realtime snapshot
IMS SM      Common Queue Server structure rebuild statistics
COMMAND ===>
-----
IMSplex: PLEX1          Date:          01/26/06
SM server: UIIMS2      Time:          10:25:41
Route: *

                                Old    New (Rebuild)
Data Elements in use. . . . . :      2,026      2,026
Data Elements allocated . . . . :    18,084     18,084
Data Entries in use . . . . . :      1,016      1,016
Data Entries allocated . . . . . :    18,084     18,084
EMCS in use . . . . . :              1,302         651
EMCS allocated. . . . . :           36,487     36,487
Size in 4K Blocks . . . . . :         4,352      4,352
CF Total space in 4K Blocks . . . :    13,632     13,632
CF Free space in 4K Blocks. . . . :      1,792      6,144
Old CF name Structure allocated on. :      LF03      LF03

MA  b                                     04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23  HP PSC 750xi on DOT4_001
    
```

CQS Shared Message Queues

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM          Common Queue Server structure checkpoint stats  Realtime snapshot
COMMAND ===>  _____  SCROLL ===> PAGE
-----
      IMSplex: PLEX1          Date:          01/26/06
      SM server: UIIMS2      Time:          10:25:41
      Route: *

Return code for this Structure checkpoint .          00000000

QUIESCE TIME
Start date . . . . .          01/26/06
Start time . . . . .          10:12:59.1
End date . . . . .          01/26/06
End time . . . . .          10:12:59.9

DATA SPACE/DATA SET CAPTURE TIME
Start date . . . . .          01/26/06
Start time . . . . .          10:12:59.9
End date . . . . .          01/26/06
End time . . . . .          10:13:00.1

End data set capture date . . . . .          01/26/06
-----
MA  b                                     04/015
-----
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23
HP PSC 750xi on DOT4_001

```

CQS Shared Message Queues

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM          Common Queue Server structure checkpoint stat Row 20 to 34 of 34
COMMAND ===>  _____ SCROLL ===> HALF

    IMSplex: PLEX1          Date:          01/26/06
    SM server: UIIMS2      Time:          10:25:41
    Route: *

Time all System checkpoints completed . . .          10:13:02.0

PRIMARY STRUCTURE
Allocated elements . . . . .          18,084
Elements in use. . . . .          2,026
Allocated list entries . . . . .          18,084
List entries in use. . . . .          1,016

OVERFLOW STRUCTURE
Allocated elements . . . . .          0
Elements in use. . . . .          0
Allocated list entries . . . . .          0
List entries in use. . . . .          0

SRDS WRITES required. . . . .          23

MA  b                                     04/015
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TH89 and port 23  HP PSC 750xi on DOT4_001

```

Scenario 12 – Aggregated SCI, RM, OM Statistics

Managing the well being of Common Service Layer (CSL) address spaces

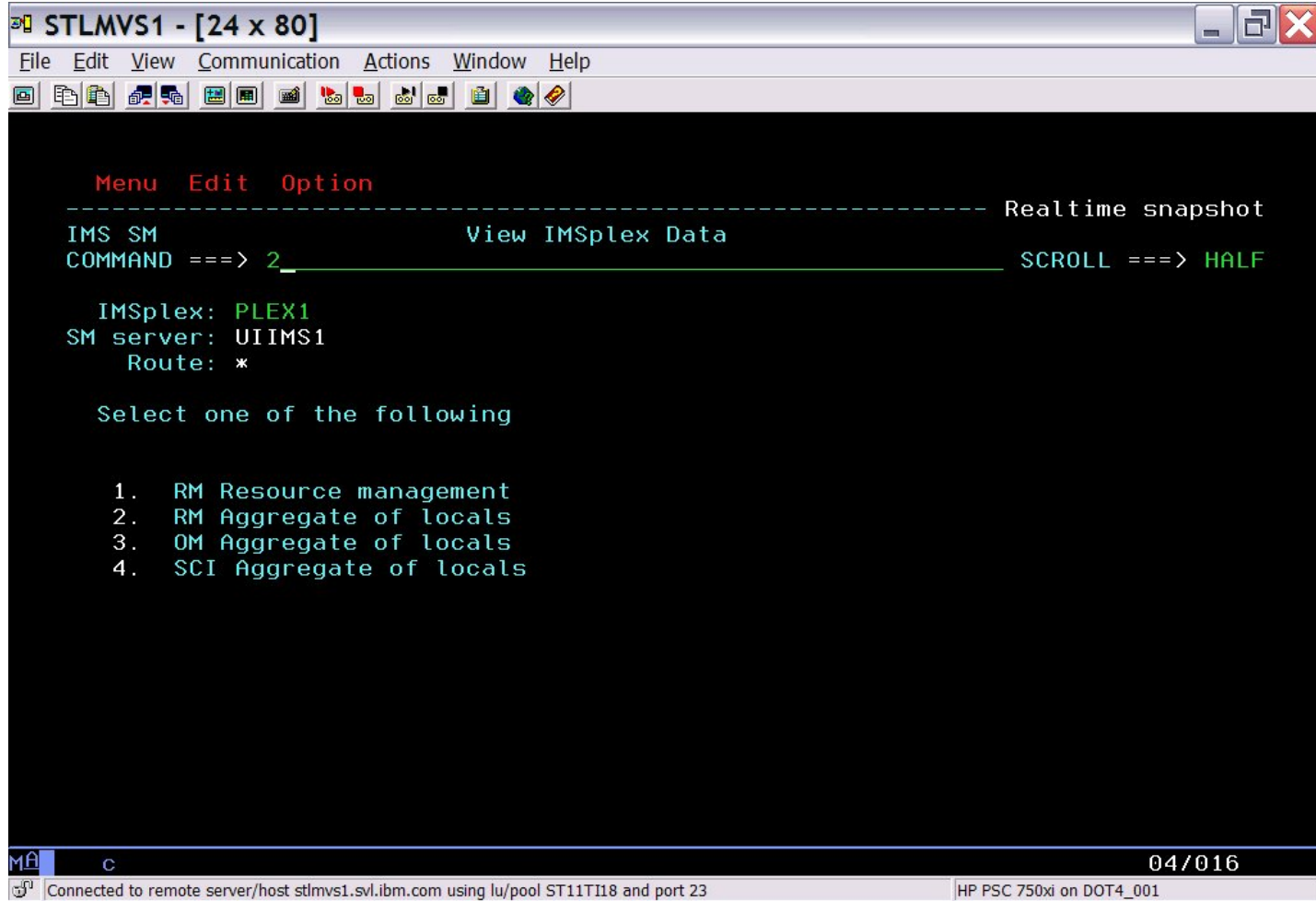
- Lack of tools to obtain CSL statistical information
- Multiple instances to check

Information gathered from CSL address spaces across Sysplex

- Aggregated into single system image
- Drill down for information from individual address space



Aggregated RM Statistics



```
STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
----- Realtime snapshot
IMS SM                               View IMSplex Data
COMMAND ==> 2_                        SCROLL ==> HALF

IMSplex: PLEX1
SM server: UIIMS1
Route: *

Select one of the following

1.  RM Resource management
2.  RM Aggregate of locals
3.  OM Aggregate of locals
4.  SCI Aggregate of locals

M&  c                                     04/016
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23  HP PSC 750xi on DOT4_001
```


Aggregated RM Statistics

```

STLMVS1 - [24 x 80]
File Edit View Communication Actions Window Help
-----
Menu Edit Option
-----
IMS SM                               Aggregated local RM statistics   Realtime snapshot
COMMAND ===> _____          SCROLL ===> HALF
Row 1 to 12 of 23

IMSplex: PLEX1                       Date:          10/31/05
SM server: UIIMS1                     Time:          13:34:27
Route: *

Enter 's' to view detailed RM statistics.  s _

LOCAL STATISTICS:
Update . . . . . : 31
Query. . . . . : 19
Delete . . . . . : 13
Register . . . . . : 10
De-register. . . . . : 0
Internal De-register (normal). : 0
Internal De-register (abnormal): 0
Initiate . . . . . : 0
Terminate: . . . . . : 0
Process: . . . . . : 0
Response . . . . . : 0

M&  c 10/048
Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23 HP PSC 750xi on DOT4_001

```

Aggregated RM Statistics

STLMVS1 - [24 x 80]

File Edit View Communication Actions Window Help

Menu Edit Option

----- Realtime snapshot
 IMS SM RM statistics Row 1 to 12 of 46
 COMMAND ===> SCROLL ===> HALF

IMSplex: PLEX1 Date: 10/31/05
 SM server: UIIMS1 Time: 13:34:27
 Route: *

RM-id	Description	Value
RM1RM	LOCAL STATISTICS:	
RM1RM	Update	14
RM1RM	Query.	6
RM1RM	Delete	1
RM1RM	Register	5
RM1RM	De-register.	0
RM1RM	Internal De-register (normal):	0
RM1RM	Internal De-register (abnormal):	0
RM1RM	Initiate	0
RM1RM	Terminate:	0
RM1RM	Process:	0
RM1RM	Response	0

04/015

Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TI18 and port 23 HP PSC 750xi on DOT4_001



Scenario 13 – Dashboard Sysplex at a Glance

Managing the IMS Sysplex through key system indicators

- Determine overall Sysplex health at a Glance
- Alert when indicators violate predefined thresholds

Critical data from key areas summarized on one or more screens

- User customized content, positioning, threshold value
- One or more per user, default supplied
- Automatic screen refresh capability for operational ease
- Drill down for additional detail



Dashboard

STLMVS1 - [24 x 80]

File Edit View Communication Actions Window Help

Menu Edit Option

----- Realtime snapshot

IMS SM Dashboard

COMMAND ==> Page: * (1 of 2)

IMSplex: PLEX1 Dashboard: IMSSM dashboard Date: 02/06/06 Time: 10:24:40

MSGQ % in use-----	Aggr. local OM requests	EMHQ % in use-----
P-Entry : 5	Reg commands : 12	P-Entry : 1
P-Element: 11	Notify rdy : 6	P-Element: 1
O-Entry : 0	Notify not rdy: 0	O-Entry : 0
O-Element: 0	Dereg normal : 0	O-Element: 0
S Msg queue depths (SMQ)-	Dereg abnormal: 0	CQS system resources---
COLDQ : 0	Commands : 0	Sys.chkp: 6
TRAN RDY Q : 0	Queries : 0	Str.chkp: 0
TRAN SPD Q : 0	A0 commands : 0	Msg queue depths(Local)
TRAN SER Q : 1,000	ZQRY requests : 14	TRANSACT: 0
LTRM RDY Q : 0	ZSHUT requests: 0	LTERM : 0
APPC RDY Q : 0	QRY IMSplx cmd: 0	MSNAME : 0
RMTE RDY Q : 0	Reg. clients: 4	LU6.2 : 0
OTMA RDY Q : 0	Cmd timeouts: 0	OTMA : 0
PRGMRDYQ-FP: 0	Undel.output: 0	

MA b 11/004

Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TG95 and port 23 HP PSC 750xi on DOT4_001

Dashboard

STLMVS1 - [24 x 80]

File Edit View Communication Actions Window Help

Menu Edit Option

----- Realtime snapshot
 Row 1 to 1 of 1
 COMMAND ==> SCROLL ==> HALF

IMSplex: PLEX1 Date: 02/06/06
 SM server: UIIMS1 Time: 10:28:29
 Route: * more: >>

ID	Destination	Type	-----Counts-----			Affinity/
			On-Q	Enq	Deq	SIDL/R
CQS1	SMQ6	TRANSERQ	1,000	0	0	IMS2

***** Bottom of data *****

MA b 04/015

Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TG95 and port 23 HP PSC 750xi on DOT4_001

References

IMS Sysplex Manager for z/OS

- <http://www-306.ibm.com/software/data/db2imstools/imstools-library.html>

