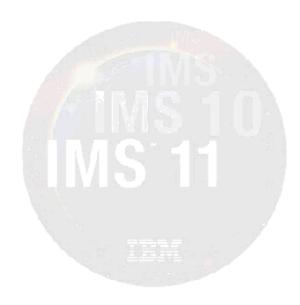


Using the IMS TSO SPOC to Manage Your IMS Environment

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Agenda

- Common Service Layer Overview
 - Operations Manager
 - Resource Manager
 - Structured Call Interface
- IMS TSO SPOC Overview
 - Function and Use
 - TSO SPOC Audit Trail
- IMS TSO SPOC Demo
 - Configuration/Settings
 - Type-2 Commands





Common Service Layer Overview





Common Service Layer (CSL) Overview

- An architecture to improve the systems management capabilities for IMS systems
 - Operations management (Operations Manager)
 - Communication ability between IMSplex components (Structured Call Interface)
 - Resource management (Resource Manager)
- Benefits
 - Provides a single system image (IMSplex)
 - Ease of use through a single point of control
 - Shared resources across all IMS systems
- Reduces complexity of managing multiple IMS systems



CSL Components

- Based on BPE (Base Primitive Environment)
- Each has an address space:
 - Operations Manager (OM)
 - Resource Manager (RM)
 - Structured Call Interface (SCI)





Operations Manager (OM) Overview

- Provides 'single point of control' for command entry into an IMSplex
 - Focal point for operations management and automation
- Provides the following services
 - Route commands to IMSplex members registered for the command
 - Consolidate command responses from individual IMSplex members into a single response to present to the command originator
 - Support for new IMSplex commands (type-2 commands) and for existing IMS commands (type-1 commands)



Operations Manager (OM) Overview

- Provides the following services (cont'd)
 - An API for IMS commands automation
 - Command security for authorization using RACF or equivalent plus user exit
 - User exit capability for editing command input and responses
- Configuration
 - One or more OM address spaces required per IMSplex





Resource Manager (RM) Overview

- Provides infrastructure for managing global resources and IMSplex-wide processes
- Provides the following services
 - IMS is responsible for exploiting RM services
 - Maintains global resource information using a resource structure in a Coupling Facility
 - Coordinates IMSplex-wide processes





Resource Manager (RM) Overview

- Used for the following functions
 - Sysplex Terminal Management (STM) (IMS 8)
 - Global Online Change (GOLC) (IMS 8)
 - Global Callable Services (IMS 8)
 - Global Status (IMS 10)
 - Sysplex Serial Program Management (SSPM) (IMS 10)
 - ACBLIB Member Online Change (IMS 10)
 - Database Quiesce (IMS 11)

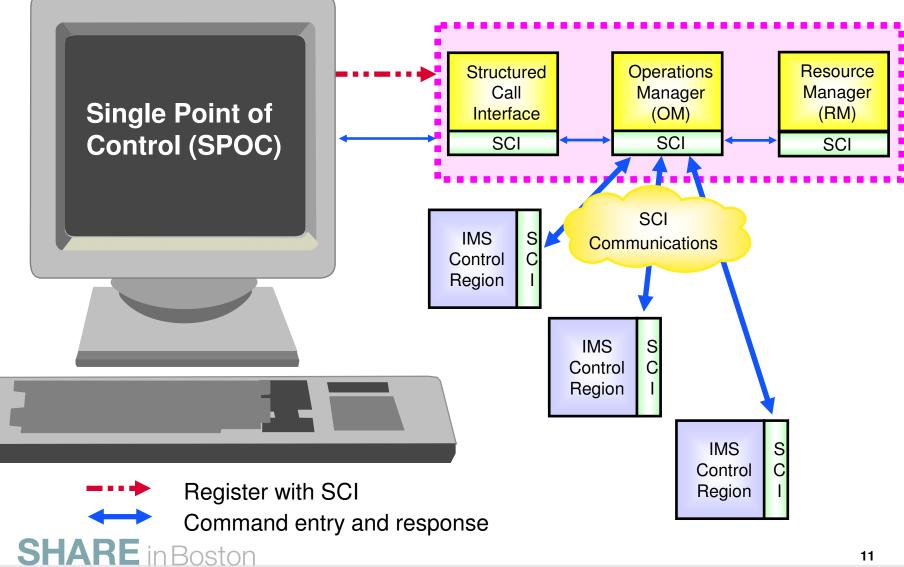


Structured Call Interface (SCI) Overview

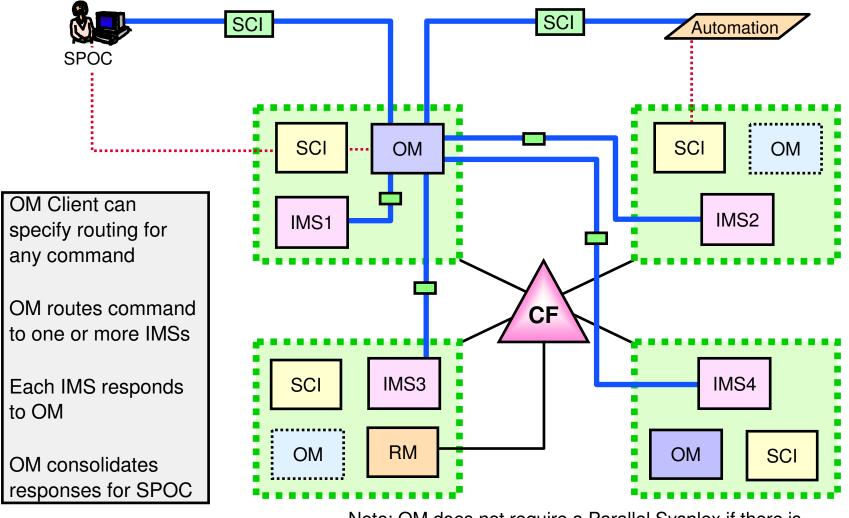


- Provides communications services among IMSplex members in a single z/OS image and across multiple z/OS images in an IMSplex
- Provides the following services
 - Member registration services (security)
 - OM, RM, IMS, SPOC, IMS Connect, DBRC, CQS
 - Communications services between members using z/OS XCF
- Used for the following functions
 - Automatic RECON Loss Notification (ARLN) (IMS 9)
 - Parallel RECON Access (PRA) (IMS 10)
 - Database Quiesce (IMS 11)
- One SCI address space is required on each z/OS image where CSL is active

CSL Architecture (Address Spaces)



OM in a Multi-IMS IMSplex



Note: OM does not require a Parallel Sysplex if there is just one z/OS image.





IMS TSO SPOC Overview





IMS Single Point of Control (SPOC)

- A SPOC is a program that interfaces between a user and the OM
- From this single point, user can enter commands to any or all IMSs
 - It can run on the mainframe
 - TSO SPOC is provided in IMS
 - Batch SPOC is provided in IMS (IMS 10)
 - REXX SPOC APIs are provided in IMS
 - It can run on the workstation
 - IMS Control Center





IMS Single Point of Control (SPOC)

- Functions provided
 - Single-system view of an IMSplex using a single console
 - Consolidated display of command responses from multiple IMS systems
 - Message sending to IMS terminals connected to any IMS in the IMSplex
- There can be multiple SPOCs in an IMSplex





TSO SPOC

- Runs under z/OS as a TSO/ISPF application (DFSSPOC)
- May or may not be on the same z/OS as OM
 - Must be on a z/OS with an SCI
- Provides a 'green screen' terminal interface from which IMS commands (type-2 or type-1) may be entered by an operator to one or more members of an IMSplex (including DB/DC, DBCTL, DCCTL)
- Formats command responses for display
 - OM response encapsulated in XML
- OM provides security checking
 - TSO user ID is used to determine RACF authorization

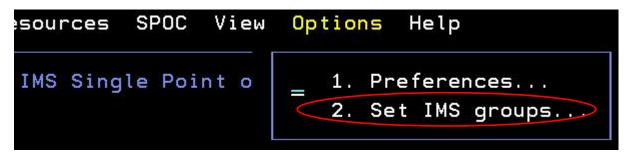


Defining groups of IMSs in the TSO SPOC

Route field only holds space for 2 IMS names

| IMS | Single | Point | of | Cont | trol | | |
|-----|--------|-------|----|------|------|--|--|
| P | lex | | Ra | pute | 100 | | |

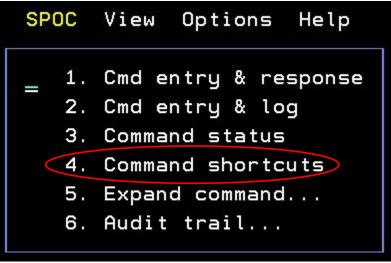
 Define a named group of IMS systems using SPOC Group Definitions panel and route commands to group instead





Using command shortcuts in the TSO SPOC

 Using the SPOC command shortcuts panel, you can set up shortened versions of commands or nicknames for commands





Displaying command status in the TSO SPOC



- When a command is issued, it is saved in the TSO SPOC
- Use the command status panel to work with previously entered commands:
 - Display commands/responses
 - Delete commands
 - Edit commands
 - Reissue commands





Reissuing Commands in the TSO SPOC

- After command entry, position the cursor on the entered command, press Enter and the command will be moved to the command line, where you can edit the command or press Enter to issue the command again
- Use the ISPF retrieve key to display commands that were previously entered (includes TSO SPOC commands plus others entered during TSO session)
- Use the ISPF RETP command to list previously entered commands, select a number and press Enter





Issuing Commands in the TSO SPOC

- Use the TSO SPOC command status panel
- Use the TSO SPOC shortcuts panel
- Use the TSO SPOC expand command panel which gives an ISPF edit panel to edit a long command





TSO SPOC Operations Manager Audit Trail

- Keeps track of IMSplex activity, including:
 - IMS command input from OM clients (TSO SPOC, IMS Control Center)
 - Reponses to commands
 - Unsolicited messages



TSO SPOC Operations Manager Audit Trail



| <u>F</u> ile | <u>A</u> ction <u>M</u> anage resources <u>S</u> POC <u>V</u> iew <u>O</u> ptions <u>H</u> elp |
|------------------|--|
| PLEX1 Command | <pre>IMSplex Audit Trail ===></pre> |
| | Members |
| MbrName | Time Message |
| USRT004 | 2008.149 09:43:47.14 Cmd input . : QRY DB NAME(B*) SHOW(ALL) |
| USRT004 | 2008.149 09:43:47.14 Response for: <u>QRY DB NAME(B*) SHOW(ALL)</u> |
| USRT004 | 2008.149 09:44:13.42 Cmd input . : UPD DB NAME(BANKTERM) SET(RESIDENT(Y |
| USRT004 | 2008.149 09:44:13.42 Response for: UPD DB NAME(BANKTERM) SET(RESIDENT(Y |
| USRT005 | 2008.149 09:44:54.83 Cmd input . : QRY MEMBER TYPE(IMS) SHOW(ATTRIB) |
| USRT005 | 2008.149 09:44:54.83 Response for: <u>QRY_MEMBER_TYPE(IMS)_SHOW(ATTRIB)</u> |
| USRT005 | 2008.149 09:45:02.18 Cmd input . : QRY TRAN SHOW(ALL) STATUS(DYN,IOPREV |
| USRT005 | 2008.149 09:45:02.18 Response for: <u>QRY TRAN SHOW(ALL) STATUS(DYN,IOPREV</u> |
| USRT005 | 2008.149 09:45:25.23 Cmd input . : QRY DB SHOW(ALL) STATUS(ALLOCF,BACKO |
| USRT005 | 2008.149 09:45:25.23 Response for: <u>QRY DB SHOW(ALL) STATUS(ALLOCF,BACKO</u> |
| USRT001 | 2008.149 09:46:38.78 Cmd input . : QRY MEMBER TYPE(IMS) SHOW(ATTRIB) |
| USRT001 | 2008.149 09:46:38.78 Response for: <u>QRY_MEMBER_TYPE(IMS)_SHOW(ATTRIB)</u> |
| USRT001 | 2008.149 09:46:42.76 Cmd input . : QRY PGM SHOW(ALL) |
| | 2008.149 |
| USRT001 | 2008.149 09:47:03.33 Cmd input . : UPD PGM NAME(APOL1) |
| F1=Hel | F3=Exit F5=Rfind F7=Up F8=Down F12=Cancel |

SHARE in Boston

TSO SPOC Operations Manager Audit Trail



File Action Manage resources SPOC View Options Help PLEX1 IMSplex Audit Trail Command ===> Members . usrt002 Tupe . . More: -+> MbrName Time Message USRT002 2008.148 10:47:26.43 Response for: DIS STATUS USRT002 2008.148 11:08:37.49 Cmd input . : DIS DB ALL USRT002 2008.148 11:08:37.49 Response for: DIS DB ALL User IDs shown with USRT002 2008.148 11:08:42.45 Cmd input . : DIS STATUS commands entered. filtered by User ID USRT002 2008.148 11:08:42.45 Response for: DIS STATUS USRT002 2008.148 11:39:12.95 Cmd input . : DIS DB ALL USRT002 2008.148 11:39:12.95 Response for: DIS DB ALL USRT002 2008.148 11:39:27.71 Cmd input . : DIS STATUS USRT002 2008.148 11:39:27.71 Response for: DIS STATUS 2008.148 12:52:48.28 Cmd input . : QRY TRAN NAME(A*) USRT002 USRT002 2008.148 12:52:48.28 Response for: **QRY TRAN NAME(A*)** USRT002 2008.148 12:53:01.85 Cmd input . : QRY DB NAME(A*) 2008.148 12:53:01.85 Response for: <u>QRY DB NAME(A*)</u> USRT002 USRT002 2008.148 12:53:13.26 Cmd input . : DIS DB ALL USRT002 2008.148 12:53:13.26 Response for: DIS DB ALL F1=Help F3=Exit F5=Rfind F7=Up F8=Down F12=Cancel

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IMS TSO SPOC Demo





Contact Information

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SPOC Demo



- IMSplex group definitions routing to 3+ IMS systems
- Command shortcuts abbreviated command versions
- Command status display/reissue commands
- Resource management
 - Displaying transaction/database attributes and status (QUERY)
 - Queuing messages to transactions (QUEUE)
 - Updating database attributes (UPDATE)
 - Stopping/starting transactions (UPDATE)
 - Using MTO versus TSO SPOC





<u>Reference Section</u> Equivalent Type-1 and Type-2 Commands TSO SPOC Demo Screenshots





Equivalent Type-1 and Type-2 Commands



Equivalent type-1 and type-2 commands (1) (IMS 11 Command Reference, Vol.1, table 15, p. 46)



| Task | Type-1 command | Type-2 command |
|--|---|---|
| Change the value for the limit count of a transaction. | /ASSIGN LCT new_lmct_number TO TRAN tranname | UPDATE TRAN NAME (tranname) SET(LCT(new_limit_count)) |
| Change the value for the limit priority of a transaction. | /ASSIGN LPRI new_lpri_number TO TRAN tranname | UPDATE TRAN NAME(tranname) SET(LPRI(new_limit_priority)) |
| Change the value for the normal priority of a transaction. | /ASSIGN NPRI new_npri_number TO TRAN tranname | UPDATE TRAN NAME(tranname) SET(NPRI(new_normal_priority)) |
| Change the value for the parallel processing limit count of a transaction. | /ASSIGN PARLIM new_parlim_number TO TRAN tranname | UPDATE TRAN NAME(tranname) SET(PARLIM(new_parallel_limit)) |
| Change the value for the processing limit count of a transaction. | /ASSIGN PLCT new_plmct_number TO TRAN tranname | UPDATE TRAN NAME(tranname) SET(PLCT(new_processing_limit)) |
| Change the limit on the number of application program output segments allowed in message queues for each GU call. | /ASSIGN SEGNO new_segno_number TO TRAN tranname | UPDATE TRAN NAME(tranname) SET(SEGNO(new_segment_number)) |





Equivalent type-1 and type-2 commands (2)

| Task | Type-1 command | Type-2 command |
|--|---|---|
| Create or change the limit on the size of application program output segments allowed in message queues for each GU call. | /ASSIGN SEGSZ new_segsize_number TO TRAN tranname | UPDATE TRAN NAME(tranname) SET(SEGSZ(new_segment_size)) |
| Change the class number of a transaction. | /ASSIGN TRAN tranname TO CLS new_class_number | UPDATE TRAN NAME(tranname) SET(CLASS(new_class_number)) |
| Stop updates to a database. | /DBDUMP DB dbname | UPDATE DB NAME(dbname) STOP(UPDATES) OPTION(FEOV) ¹ |
| Stop the accessing and updating of an area. | /DBRECOVERY AREA areaname | UPDATE AREA NAME(areaname) STOP(ACCESS) |
| Stop the accessing and updating of all areas and databases of the data group. | /DBRECOVERY DATAGRP datagrpname | UPDATE DATAGRP NAME(datagrpname) STOP(ACCESS) |
| Stop access to the database and take it offline. | /DBRECOVERY DB dbname | UPDATE DB NAME(dbname) STOP(ACCESS) OPTION(FEOV) ¹ |
| Display information about an area. | /DISPLAY AREA | QUERY AREA |
| Display the status of a database. | /DISPLAY DB dbname1dbnamen ALL | QUERY DB |





Equivalent type-1 and type-2 commands (3)

| Task | Type-1 command | Type-2 command |
|---|--|---|
| Display work in progress for runtime resource definitions that would cause a DELETE, /MODIFY COMMIT, INITIATE OLC PHASE(COMMIT), or UPDATE command to change resource definitions to fail. | /DISPLAY MODIFY ALL | QUERY DB NAME(dbname) SHOW(WORK), QUERY PGM NAME(pgmname) SHOW(WORK), QUERY RTC NAME(rtcode) SHOW(WORK), and QUERY TRAN NAME(tranname) SHOW(WORK). |
| Display information about a program. | /DISPLAY PGM pgmname | QRY PGM NAME(pgmname) SHOW(ALL) and QUERY PGM NAME(pgmname) SHOW(TRAN) |
| Display transactions, routing codes and databases associated with a PSB. | /DISPLAY PSB psbname | QUERY DB NAME(dbname) SHOW(PGM), QUERY PGM NAME(pgmname) SHOW(DB), QUERY PGM NAME(pgmname) SHOW(RTC) and QUERY PGM NAME(pgmname) SHOW(TRAN) |
| Display information about one or more Fast Path routing codes. | /DISPLAY RTC rtcname1rtcnamen ALL | QUERY RTC NAME(rtcname1,rtcnamen *) SHOW(ALL) |



Equivalent type-1 and type-2 commands (4)

| Task | Type-1 command | Type-2 command | |
|---|-----------------------------|---|--|
| Display information about databases with the specified status. | /DISPLAY STATUS DB | QUERY DB STATUS(ALLOCF, ALLOCS,BACKOUT,EEQE, LOCK,NOTINIT,NOTOPEN, OFR,OLR,OPEN,RECALL,RECOV, RNL,STOSCHD,STOUPDS | |
| Display all programs that have status and what that status is. | /DISPLAY STATUS PGM | QUERY PGM STATUS(DB-NOTAVL, IOPREV,LOCK,NOTINIT, STOSCHD,TRACE) | |
| Display all Fast Path routing codes that have status and what that status is. | /DISPLAY STATUS RTC | QUERY RTC STATUS(ACTIVE,NOTINIT, NOTSCHD,STOQ) | |
| Display information about transactions with the specified status. | /DISPLAY STATUS TRANSACTION | QUERY TRAN NAME(tranname) STATUS (IOPREV,LCK,QERR,SUSPEND, STOQ,STOSCHD,USTO) | |
| Display information about a transaction. | /DISPLAY TRAN tranname | QUERY TRAN NAME(tranname) SHOW(ALL) | |
| Display all of the transactions. | /DISPLAY TRAN ALL | QUERY TRAN SHOW(ALL) | |



Equivalent type-1 and type-2 commands (5)

| Task | Type-1 command | Type-2 command | |
|---|--|---|--|
| Display all of the transactions on the shared queues with a global queue count. | /DISPLAY TRAN tranname QCNT | QUERY TRAN NAME(tranname) SHOW(QCNT) | |
| Stop the use of a database. | /LOCK DB dbname | UPDATE DB NAME(dbname) SET(LOCK(ON)) | |
| Lock a program. | /LOCK PGM pgmname | UPDATE PGM NAME(pgmname) SET(LOCK(ON)) | |
| Lock a transaction. | /LOCK TRAN tranname | UPDATE TRAN NAME(tranname) SET(LOCK(ON)) | |
| Change the transaction so that it is local and runs on the local system. | /MASSIGN TRAN tranname TO LOCAL | UPDATE TRAN NAME(tranname) SET(REMOTE(N)) | |
| Change the transaction so that it is remote, and assign it to a specific logical link path. | /MASSIGN TRAN tranname TO MSNAME msname | UPDATE TRAN NAME(tranname) SET(MSNAME(name)) | |





Equivalent type-1 and type-2 commands (6)

| Task | Type-1 command | Type-2 command | |
|--|----------------------------|--|--|
| Stop the scheduling of transactions. | /PSTOP TRAN tranname | UPDATE TRAN(tranname) START(Q STOP(SCHD) | |
| Stop input messages for a particular transaction code. | /PURGE TRAN tranname | UPDATE TRAN NAME(tranname) START(SCHD) STOP(Q) | |
| Start the area. | /START AREA areaname | UPDATE AREA NAME(areaname) START(ACCESS) | |
| Start the data group. | /START DATAGRP datagrpname | UPDATE DATAGRP NAME(datagrpname) START(ACCESS) | |
| Start a database and change access intent of the database. | /START DB ACCESS | UPDATE DB START(ACCESS) SET(ACCTYPE()) | |
| Start a database. | /START DB dbname | UPDATE DB NAME(dbname) START(ACCESS) | |
| Start program scheduling. | /START PGM pgmname | UPDATE PGM NAME(pgmname) START(SCHD) | |
| Start queueing to a Fast Path routing code. | /START RTC rtcname | UPDATE RTC NAME(rtcname) START(Q) | |



Equivalent type-1 and type-2 commands (7)

| Task | Type-1 command | Type-2 command |
|---|----------------------------|---|
| Start a transaction. | /START TRAN | UPDATE TRAN NAME(tranname) START(Q,SCHD,SUSPEND) |
| Stop an area. | /STOP AREA areaname | UPDATE AREA NAME(areaname) STOP(SCHD) |
| Stop a data group. | /STOP DATAGRP datagrpname | UPDATE DATAGRP NAME(datagrpname) STOP(SCHD) |
| Stop a database. | /STOP DB dbname | UPDATE DB NAME(dbname) STOP(SCHD) |
| Stop program scheduling. | /STOP PGM pgmname | UPDATE PGM NAME(pgmname) STOP(SCHD) |
| Stop the queuing and scheduling of messages destined for a transaction. | /STOP TRAN tranname | UPDATE TRAN NAME(tranname) STOP(Q,SCHD) |
| Start the tracing of a program. | /TRACE SET ON PGM pgmname | UPDATE PGM NAME(pgmname) START(TRACE) |
| Stop the tracing of a program. | /TRACE SET OFF PGM pgmname | UPDATE PGM NAME(pgmname) STOP(TRACE) |





Equivalent type-1 and type-2 commands (8)

| Task | Type-1 command | Type-2 command UPDATE RTC NAME(rtcname) STOP(Q) | |
|--|------------------------------|---|--|
| Stop queueing to a Fast Path routing code. | /STOP RTC rtcname | | |
| Start the tracing of a transaction. | /TRACE SET ON TRAN tranname | UPDATE TRAN NAME(tranname) START(TRA) | |
| Stop the tracing of a transaction. | /TRACE SET OFF TRAN tranname | UPDATE TRAN NAME(tranname) STOP(TRA) | |
| Unlock a database. | /UNLOCK DB dbname | UPDATE DB NAME(dbname) SET(LOCK(OFF)) | |
| Unlock a program. | /UNLOCK PGM pgmname | UPDATE PGM NAME(pgmname) SET(LOCK(OFF)) | |
| Unlock a transaction. | /UNLOCK TRAN tranname | UPDATE TRAN NAME(tranname) SET(LOCK(OFF)) | |





TSO SPOC Demo Screenshots





IMSplex Group Definitions



| | | | | | _ 🗆 🛛 |
|---|--|-------------------|---------------|-----------------------|---------|
| <u>File E</u> dit <u>V</u> iew <u>C</u> omm | munication <u>A</u> ctions <u>W</u> indow <u>H</u> elp | | | | |
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| File A | ction Manage res | ources SPOC Vie | w Options H | elp | |
| PLEX1 Command = | | 1S Single Point o | | erences IMS groups | |
| | | Plex | Route | Wait | |
| Response | for: | | Noute | Wait | |
| CSLM000I | (C) Copyright IBM | Corp. 2000. All | rights reserv | ed. | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| F1=Help | F3=Exit | F4=Showlog F6= | Expand F9= | Retrieve F12 | =Cancel |
| M <u>A</u> d | | | | | 03/050 |
| Connected to remote | e server/host stlvm32.svl.ibm.com using po | rt 23 | | | 11. |

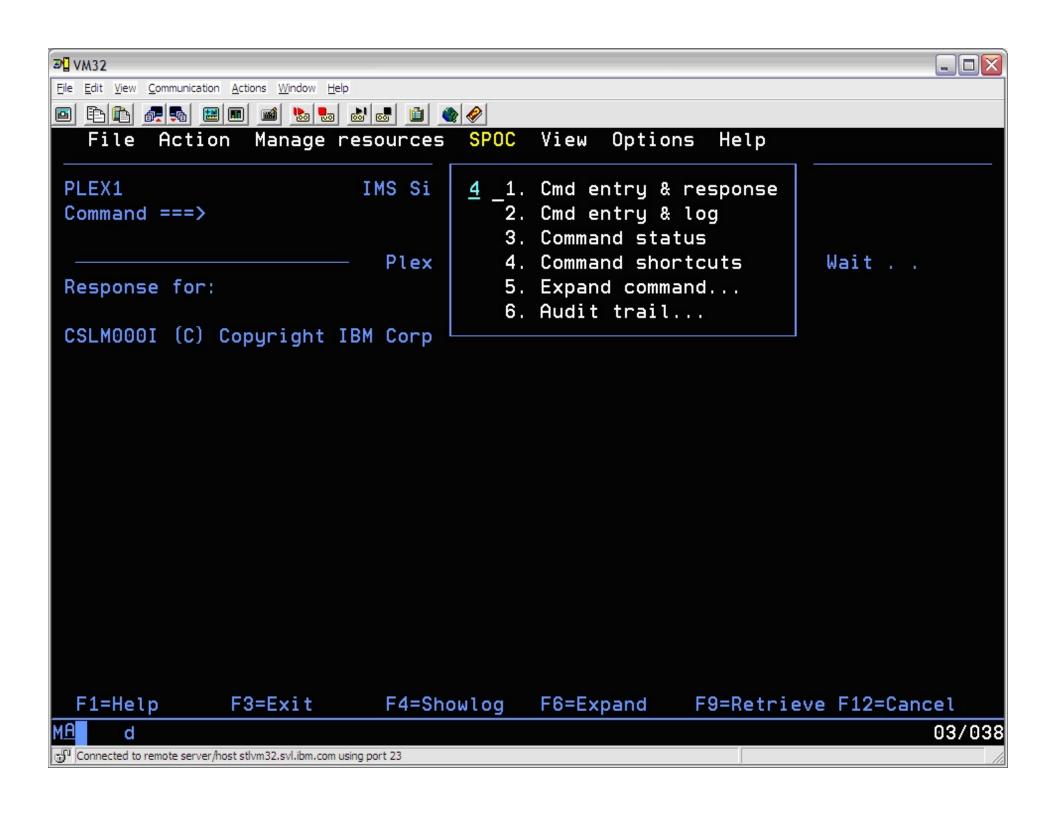
| ₽ <mark>1</mark> VM32 | | | _ 🗆 🛛 |
|---|---|-------|-----------|
| <u>File Edit View Communication Action</u> | s <u>W</u> indow <u>H</u> elp | | |
| 🖻 🖹 🗗 着 🔳 🔳 | 🛋 ங 💩 💼 🚊 🏈 | | |
| <u>H</u> elp | | | |
| PLEX1 COMMAND ===> | Single Point of Control Group Definitions | Row 1 | to 3 of 3 |
| Group IMS123 will | l now be used for default routing. | | |
| Enter a group nam | ne and member names to add a new group. Enter ' | s' to | select a |
| default, or 'd' | to delete a group. | | |
| Default routing . | : IMS123 | | |
| Act Group | IMSplex members | | |
| <u> IMS12</u> | IMS1 IMS2 | | |
| <u>sIMS123</u> | IMS1 IMS2 IMS3 | | |
| | ************************************** | ***** | **** |
| | | | 19/000 |
| MA d Connected to remote server/host stlvr | A A A A A A A A A A A A A A A A A A A | | 18/003 |
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| 3 VM32 | |
|--|--------------|
| <u>File Edit View Communication Actions Window H</u> elp | |
| | |
| <u>File Action Manage resources SPOC View Options Help</u> | |
| | |
| PLEX1 IMS Single Point of Control | |
| Command ===> | |
| | |
| Plex Route <u>IMS12</u> | Wait |
| Response for: QUERY DB NAME(P*) SHOW(STATUS) | More: + |
| DBName PartName MbrName CC TYPE LclStat | |
| DBHD0J01 PDHD0JA IMS1 0 PART ALLOCS, NOTOPEN | |
| DBHD0J01 PDHD0JB IMS1 0 PART ALLOCS, NOTOPEN | |
| DBHD0J01 PDHD0JC IMS1 0 PART ALLOCS, NOTOPEN | |
| DBHD0J01 PDHD0JD IMS1 0 PART ALLOCS, NOTOPEN | |
| DBHD0J01 PDHD0JA IMS2 0 PART ALLOCS, NOTOPEN | |
| DBHD0J01 PDHD0JB IMS2 0 PART ALLOCS, NOTOPEN | |
| DBHD0J01 PDHD0JC IMS2 0 PART ALLOCS, NOTOPEN | |
| DBHDOJO1 PDHDOJD IMS2 0 PART ALLOCS,NOTOPEN DBHDOK01 PDHDOKA IMS1 0 PART ALLOCS,NOTOPEN | |
| | |
| DBHDOKO1 PDHDOKB IMS1 O PART ALLOCS,NOTOPEN DBHDOKO1 PDHDOKC IMS1 O PART ALLOCS,NOTOPEN | |
| DBHDOKO1 PDHDOKC IMSI O PART ALLOCS, NOTOPEN | |
| DBHDOKO1 PDHDOKO IMSI O PART ALLOCS, NOTOPEN | |
| DBHDOKO1 PDHDOKH IMS2 0 PART ALLOCS, NOTOPEN | |
| DBHDOKO1 PDHDOKC IMS2 0 PART ALLOCS, NOTOPEN | |
| | e F12=Cancel |
| MA d A | 04/015 |
| Connected to remote server/host stlvm32.svl.ibm.com using port 23 | 04/013 |



Command Shortcuts





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|--|---|-----------------------|
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| <u>F</u> ile <u>A</u> ction <u>M</u> anage re | esources <u>S</u> POC <u>V</u> iew <u>O</u> ptions <u>H</u> | elp |
| PLEX1 | SPOC Command Shortcuts | Row 1 to 5 of 5 |
| Command ===> | | |
| Shortcut command QUERY II | MSPLEX has been added. | |
| | Plex Route | Wait |
| Use the blank line to add | d commands or 'd' to delete a co | mmand. The additional |
| parameters will be append | ded to the command when it is is | sued. Prefix the |
| command with an ampersand | d ('&') to replace the entire co | mmand. |
| | | |
| | | |
| Act Cmd & resource | Additional Parameters | |
| | | |
| | | |
| &QRYALLDB | QUERY DB NAME(*) SHOW(ALL) | |
| | | |
| <u></u> | QUERY TRAN NAME(*) SHOW(ALL) | |
| | | |
| QUERY_DB | NAME(DX*) SHOW(ALL) | |
| | | |
| <u>QUERY_IMSPLEX</u> | <u>SHOW(STATUS)</u> | |
| | www.www.Dottom of dots www.www.ww | |
| | ******* Bottom of data ******** | **** |
| F1=Help F12=Cancel | | |
| M <u>A</u> d | Â | 13/008 |
| Connected to remote server/host stlvm32.svl.ibm.com usin | ng port 23 | |

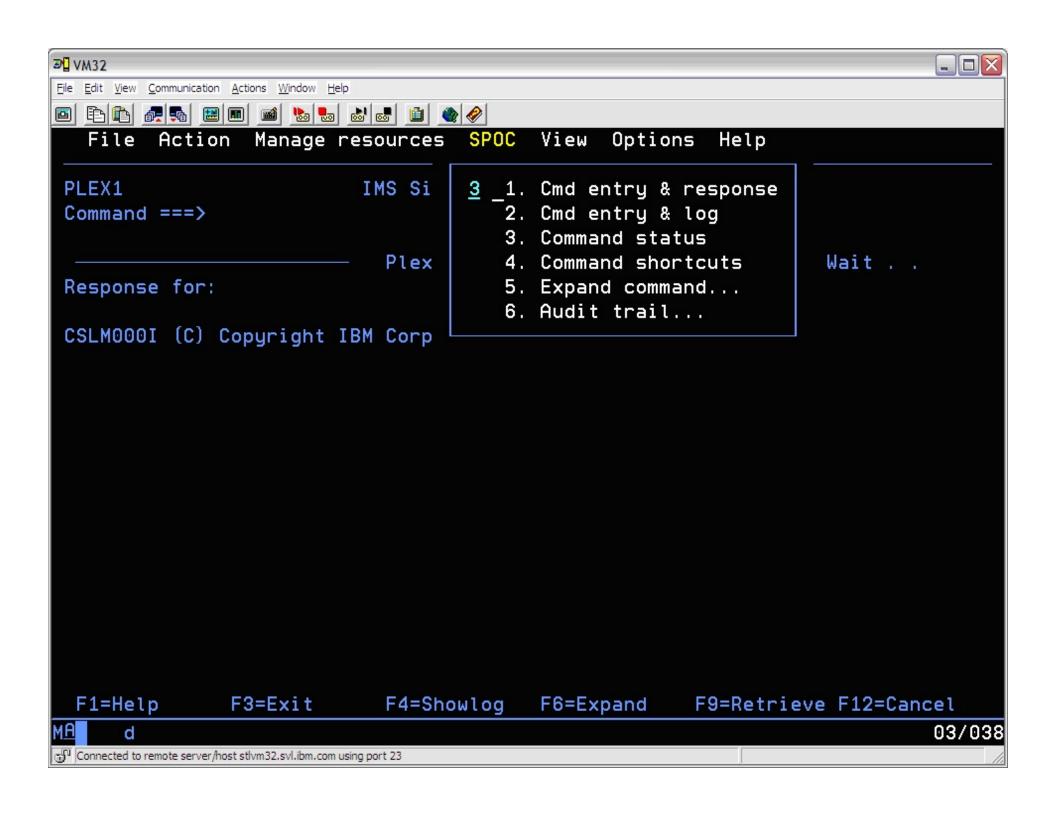
| <u>File Edit View Communication</u> | Actions Window | Help | | | | | | | |
|-------------------------------------|-----------------------|-------------------|-------------|-------------------------|-------|--------------|------------|------|--|
| | | | | | | | | | |
| <u>F</u> ile <u>A</u> ction | | | | <u>V</u> iew <u>O</u> p | tions | <u>H</u> elp | | | |
| | | | | | | | | | |
| PLEX1 | | IMS S | Single Poi | int of Con | trol | | | | |
| Command ===> C | UERY IMS | SPLEX | | | | | | | |
| At least one r | request w | was succe | essful. | | | | | | |
| | | — Ple | ex | Route | · · · | U | Jait | | |
| Response for: | QUERY IN | MSPLEX SH | IOW (STATUS | 6) | | | | | |
| IMSplex MbrNam | ne CC | Member | Status | | | | | | |
| CSLPLEX1 OM10M | | | | | | | | | |
| CSLPLEX1 OM10M | | | | | | | | | |
| CSLPLEX1 OM10M | | | | | | | | | |
| CSLPLEX1 OM10M | | | READY, AC | | | | | | |
| CSLPLEX1 OM10M | | SCI1SC | | CTIVE | | | | | |
| CSLPLEX1 OM10M | | USRT003 | ACTIVE | | | | | | |
| CSLPLEX1 OM10M | | USRT031 | | | | | | | |
| CSLPLEX1 OM10M | | USRT021 | | | | | | | |
| CSLPLEX1 OM10M | | SCI2SC | READY, AC | | | | | | |
| CSLPLEX1 OM10M | | OM30M | | | | | | | |
| CSLPLEX1 OM10M | | OM10M | | | | | | | |
| CSLPLEX1 OM10M | | IMS1 | | | | | | | |
| CSLPLEX1 OM10M | 0 | IMS2 | READY, AC | CLIVE | | | | | |
| | | | | | | | | | |
| | F0-F | F 4 | Chaulter | F8-F | | | F10-0 | | |
| F1=Help | F3=Exit | F4= | Showlog | F6=Expan | | -Retrieve | F12=Cancel | | |
| M <u>H</u> d | | | | A | | | 04 | /028 | |
| Connected to remote server/ho | ost stlvm32.svl.ibm.o | com using port 23 | | | | | | 11. | |

| ₽ <mark>1</mark> VM32 | | | | | _ 🗆 🔀 |
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| Eile Edit View Communication Actions Wi | <u>i</u> ndow <u>H</u> elp | | | | |
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| <u>F</u> ile <u>A</u> ction <u>M</u> an | age resource | s <u>S</u> POC | <u>V</u> iew <u>O</u> ptio | ns <u>H</u> elp | |
| PLEX1 | IMS Si | nale Poin | t of Contro | 1 | |
| Command ===> &QRYAL | | | | | |
| | | | | | |
| | Plex | 6 <u> </u> | Route . | . <u>IMS12</u> Wai | t |
| Response for: QUERY | DB NAME(*) | SHOW (ALL) | | | More: +> |
| DBName PartName Mb | rName CC | ТҮРЕ | LAcc LRsdnt | LclStat | ModelName |
| DBHDOJ01 IM | IS1 0 | PHDAM | UPD N | | DFSDSDB1 |
| DBHDOJ01 PDHDOJA IM | IS1 0 | PART | UPD | ALLOCS, NOTOPEN | |
| DBHDOJ01 PDHDOJB IM | IS1 0 | Part | UPD | ALLOCS, NOTOPEN | |
| DBHDOJ01 PDHDOJC IM | IS1 0 | Part | UPD | ALLOCS, NOTOPEN | |
| DBHDOJ01 PDHDOJD IM | IS1 0 | Part | UPD | ALLOCS, NOTOPEN | |
| DBHDOJ01 IM | IS2 0 | PHDAM | UPD N | | DFSDSDB1 |
| DBHDOJ01 PDHDOJA IM | IS2 0 | PART | UPD | ALLOCS, NOTOPEN | |
| DBHDOJ01 PDHDOJB IM | IS2 0 | PART | UPD | ALLOCS, NOTOPEN | |
| DBHDOJ01 PDHDOJC IM | IS2 0 | PART | UPD | ALLOCS, NOTOPEN | |
| DBHDOJ01 PDHDOJD IM | IS2 0 | PART | UPD | ALLOCS, NOTOPEN | |
| DBHDOK01 IM | IS1 0 | PHDAM | UPD N | | DFSDSDB1 |
| DBHDOKO1 PDHDOKA IM | IS1 0 | PART | UPD | ALLOCS, NOTOPEN | |
| DBHDOKO1 PDHDOKB IM | IS1 0 | PART | UPD | ALLOCS, NOTOPEN | |
| DBHDOKO1 PDHDOKC IM | IS1 0 | PART | UPD | ALLOCS, NOTOPEN | |
| DBHDOK01 PDHDOKD IM | IS1 0 | PART | UPD | ALLOCS, NOTOPEN | |
| F1=Help F3=Ex | it F4=S | howlog | F6=Expand | F9=Retrieve F1 | l2=Cancel |
| MA d | | | A | | 04/024 |
| Connected to remote server/host stlvm32.sv | vl.ibm.com using port 23 | | | | 11 |

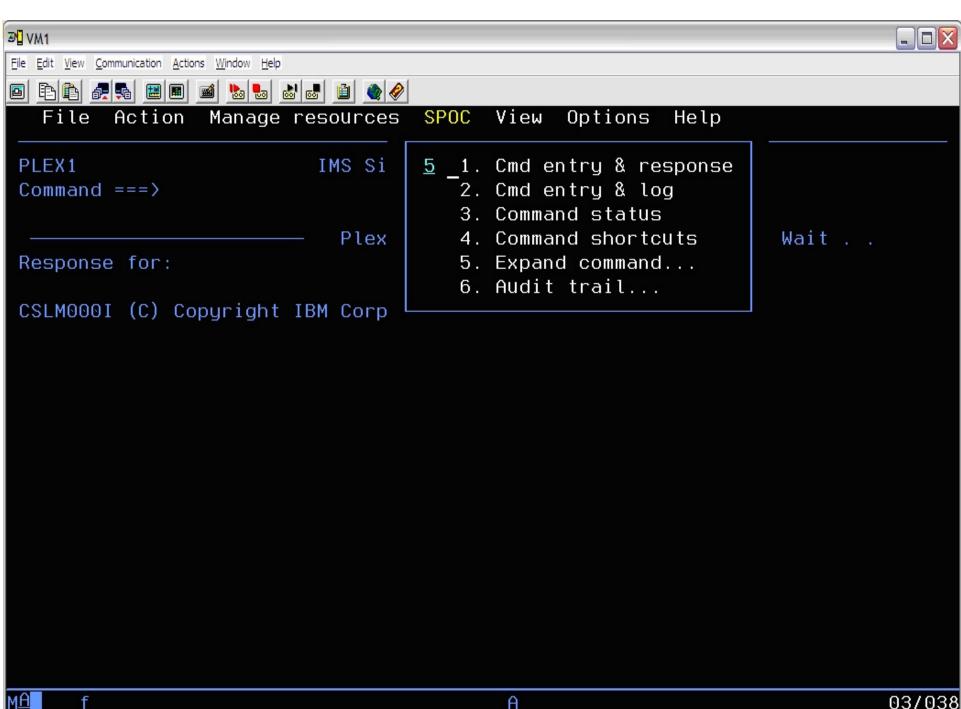


Display/Reissue Commands





| ₽ <mark>1</mark> VM32 | |
|---|-------------------|
| Eile Edit View Communication Actions Window Help | |
| | |
| <u>F</u> ile <u>A</u> ction <u>M</u> anage resources <u>S</u> POC <u>V</u> iew <u>O</u> ptions <u>H</u> elp | |
| | |
| PLEX1 IMS Single Point of Control | Row 1 to 13 of 75 |
| Command ===> | |
| D1 | 11-2.4 |
| <pre>Plex Route Enter '/' to view command response, 'i' to reissue a command</pre> | |
| a command. | , or a to detete |
| | |
| Act Status Command | |
| Complete QUERY DB NAME(*) SHOW(ALL) | |
| | |
| i Complete QUERY IMSPLEX SHOW(STATUS) | |
| Complete QUERY MEMBER TYPE(IMS) SHOW(ALL) | |
| Complete QUERY MEMBER TYPE(IMS) SHOW(ALL) | |
| Complete QUERY MEMBER | |
| CompleteQUERY DB NAME(*) SHOW(ALL)iCompleteQUERY IMSPLEX SHOW(STATUS)CompleteQUERY MEMBER TYPE(IMS) SHOW(ALL)CompleteQUERY MEMBER TYPE(IMS) SHOW(ALL)CompleteQUERY MEMBERCompleteQUERY MEMBERCompleteQUERY DB NAME(P*) SHOW(STATUS)CompleteQUERY DB NAME(D*) SHOW(STATUS) | |
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| Complete QUERY DB NAME(*) TYPE(DLI) | |
| Complete QUERY DB(*) TYPE(DLI) | |
| Complete QUERY DB NAME(P*) SHOW(STATUS) | |
| Complete QUERY DB NAME(P*) SHOW(STATUS) | |
| Complete QUERY DB NAME(B*) SHOW(STATUS) | |
| F1=Help F12=Cancel | |
| M <u>A</u> d | 13/004 |
| 🖓 Connected to remote server/host stlvm32.svl.ibm.com using port 23 | _//_ |



Connected to remote server/host stlvm3.svl.ibm.com using port 23

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|--|-------------------------|
| Eile Edit View Communication Actions Window Help | |
| | |
| PLEX1 IMS Single Point of Control | Columns 00001 00072 |
| Command ===> | Scroll ===> <u>PAGE</u> |
| | |
| Plex Route | Wait |
| ***** ******************************* | |
| 000001 QUERY TRAN NAME(A*,B*,C*) SHOW(MAXRGN,SERIAL,TRANST | AT)_ |
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| M <u>A</u> f A | 06/063 |
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| <u>Eile E</u> dit <u>V</u> iew <u>C</u> o | mmunication <u>A</u> ctions <u>W</u> indo | w <u>H</u> elp | | | | | | | |
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| <u> </u> | <u>Action Mar</u> | age reso | urce | es <u>S</u> PC |)C | <u>V</u> iew <u>O</u> ptions | <u>H</u> elp | | |
| | | | | | | | | | |
| PLEX1 | | | | | | t of Control | | | |
| Command | ===> <u>QUERY</u> | TRAN NAM | <u>E (A</u> × | <u>*,B*,C</u> * | <u>k) S</u> | <u>HOW (MAXRGN, SER</u> | IAL, TRANSTA | AT) | |
| | | | | | | | | | |
| | | | | | | _ Route | | | |
| | | | | | | SHOW(MAXRGN, SE | RIAL, TRA | . More: | + |
| | MbrName | | | | | nStat | | | |
| | IMS1 | 0 | 0 | | N | | | | |
| ADDINV | IMS2 | 0 | | | N | | | | |
| | IMS1 | 0 | 0 | | N | | | | |
| ADDPART | IMS2 | 0 | | | N | | | | |
| AOBMP AOBMP | IMS1 | 0 0 | 0 N 0 N | | N N | | | | |
| AOP | IMS2 IMS1 | 0 | 0 N | | N | | | | |
| AOP | IMS1 IMS2 | 0 | 0 r 0 N | | N | | | | |
| APOL11 | IMS1 | 0 | 0 | | N | | | | |
| APOL11 | IMS2 | 0 | 0 | | N | | | | |
| APOL12 | IMS1 | 0 | 0 | | N | | | | |
| APOL12 | IMS2 | 0 | 0 | | N | | | | |
| APOL13 | IMS1 | 0 | 0 1 | | N | | | | |
| APOL13 | IMS2 | 0 | 0 | | N | | | | |
| APOL14 | IMS1 | 0 | 0 | | N | | | | |
| APOL14 | IMS2 | õ | 0 | | N | | | | |
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| | note server/host stlvm3.svl.ibm | .com using port 23 | | | | | | | |
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| <u>File E</u> dit <u>V</u> iew (| <u>Communication</u> | <u>A</u> ctions <u>W</u> indow | <u>H</u> elp | | | | | |
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| <u>F</u> ile | Action | n <u>M</u> anage | e resc | ources <u>S</u> POC | <u>V</u> iew | <u>O</u> ptions | <u>H</u> elp | |
| | | | | | | <u> </u> | | |
| PLEX1 | | | ٩L | IS Single Po | int of | Control | | |
| Command | ===> | <u>RETP</u> | | | | | | |
| | | | | P1 ov | De | uta | | lai + |
| Response | e for: | | | Plex (*) TYPE(DL | | ute | V | Jait |
| DBName | | ne CC | | | - / | | | |
| DBHIDJ03 | | | DL/I | | | | | |
| DBHIDJ03 | | | DL/I | | | | | |
| DBHIDJ03 | | | DL/I | | | | | |
| DHVNTK03 | | | DL/I | | | | | |
| DHVNTK03 | | | DL/I | | | | | |
| DHVNTK03 | | | DL/I | | | | | |
| DXHIDJ03 | | | DL/I | | | | | |
| DXHIDJ03 | | | DL/I | | | | | |
| DXHIDJ03 | | | DL/I | | | | | |
| DXVNTK03 | | | DL/I | | | | | |
| DXVNTK03 | | | DL/I | | | | | |
| DXVNTK03 | | | DL/I | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| F1=Hel | o | F3=Exit | | F4=Showlog | F6=E> | pand F | 9=Retrieve | F12=Cancel |
| M <mark>A</mark> d | | | | | A | | | 04/019 |
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| F | File Action | n. Manage re | sources | SPOC V | iew Options | а Неір | |
| | | Retrieve — | | | | | |
| P | Options | Help | | Point | of Control | | |
| С | | | | | | | |
| | PLEX1 PF F | Retrieve Pan | el | | | | |
| | | | | | Route | | Wait |
| R | Select the | | | DLI) | | | |
| DB | to be retr | | | | | | |
| DB | | More | | | | | |
| DB | | JERY DB NAME | | | | | |
| DB | | JERY DB NAME | | | | | |
| DH | | JERY DB NAME | | | | | |
| DH | | JERY IMSPLEX | | | | | |
| DH | | RY MEMBER | | | | | |
| DX | | JERY MEMBER | | | | | |
| DX | | | | | | | |
| DX DX | 8. QF 9. | RYTRANALL | | | | | |
| DX | 10. | | | | | | |
| DX | 11. | | | | | | |
| | F1=Help | F2=Sp | 1 i + | | | | |
| | F3=Exit | | ckward | | | | |
| | | | | | | | |
| F1 | 1=Help | F3=Exit | F4=Show | log F | 6=Expand | F9=Retrieve | F12=Cancel |
| MA | d | | | | A | | 10/007 |
| ල Con | nnected to remote server/h | ost stlvm32.svl.ibm.com using | port 23 | | | | 10 |

| ■ VM32 | | | | | | | |
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| <u>File Edit View Co</u> | mmunication <u>A</u> ction | s <u>W</u> indow <u>H</u> elp | | | | | |
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| PLEX1 | | | IMS Si | ingle P | oint of Control | | |
| Command | ===> | | | | | | |
| | | | | | | | |
| | | | | | Route | | Wait |
| | for: QUE | | | | | | More: + |
| | PartName | | | TYPE | LclStat | | |
| DBHD0J01 | | IMS1 | | PHDAM | | | |
| DBHD0J01 | | IMS1 | | Part | ALLOCS, NOTOPE | | |
| DBHD0J01 | | | | Part | ALLOCS, NOTOPE | | |
| DBHD0J01 | | IMS1 | | Part | ALLOCS, NOTOPE | | |
| DBHD0J01 | PDHDOJD | IMS1 | | Part | ALLOCS, NOTOPE | EN | |
| DBHD0J01 | | IMS2 | | PHDAM | | | |
| DBHD0J01 | | IMS2 | 0 | Part | ALLOCS, NOTOPE | | |
| DBHD0J01 | | IMS2 | 0 | Part | ALLOCS, NOTOPE | | |
| DBHD0J01 | | IMS2 | 0 | Part | ALLOCS, NOTOPE | N | |
| DBHD0J01 | PDHDOJD | IMS2 | 0 | Part | ALLOCS, NOTOPE | N | |
| DBHD0J01 | | IMS3 | 0 | PHDAM | | | |
| DBHD0J01 | PDHDOJA | IMS3 | 0 | Part | ALLOCS,OPEN | | |
| DBHD0J01 | | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBHD0J01 | PDHDOJC | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBHD0J01 | PDHDOJD | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| F1=Help | F3= | =Exit | F4=\$ | Showlog | F6=Expand | F9=Retrieve | F12=Cancel |
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| 🕤 Connected to ren | note server/host stlvn | n32.svl.ibm.com usir | ng port 23 | | | | 1 |



Querying Databases/Transactions



| ₽ <mark>1</mark> ∨M32 | | | | | |
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| <u>F</u> ile <u>A</u> ction | <u>M</u> anage reso | ources <u>S</u> POC | <u>V</u> iew <u>O</u> ptior | ns <u>H</u> elp | |
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| PLEX1 | | 15 Single Poi | nt of Control | | |
| Command ===> | | | | | |
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| Response for: | | | | · · | Nait |
| DBName MbrNam | | - , , () | ., | | |
| DBHIDJ03 IMS1 | | | | | |
| DBHIDJ03 IMS2 | | | | | |
| DBHIDJ03 IMS3 | | | | | |
| DHVNTK03 IMS1 | 0 DL/I | | | | |
| DHVNTK03 IMS2 | 0 DL/I | | | | |
| DHVNTK03 IMS3 | 0 DL/I | | | | |
| DXHIDJ03 IMS1 | 0 DL/I | | | | |
| DXHIDJ03 IMS2 | 0 DL/I | | | | |
| DXHIDJ03 IMS3 | 0 DL/I | | | | |
| DXVNTK03 IMS1 | | | | | |
| DXVNTK03 IMS2 | | | | | |
| DXVNTKO3 IMS3 | 0 DL/I | | | | |
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| | | | | | |
| | 50-5-i t | E 4- 0h1 | | 50-D-+ | F12-01 |
| | F3=Exit | F4=Showlog | F6=Expand | F9=Retrieve | |
| M <u>A</u> d | | | A | | 04/015 |
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| <u>F</u> ile | Action 1 | Manage re | esource | s <u>S</u> P(| DC <u>V</u> i | ew <u>O</u> pt | ions | <u>H</u> elp | | |
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| PLEX1 | | | IMS Si | ngle H | Point | of Cont | rol | | | |
| Command | ===> | | | | | | | | | |
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| 05000 | | | | | | Route | • • - | I | | |
| | e for: QUI | | | | PART) | | | | More: | + |
| DBName | | | | TYPE | | | | | | |
| DBHD0J01 | | | | | | | | | | |
| DBHD0J01 | | | | | | | | | | |
| DBHD0J01 | | | | PART | | | | | | |
| DBHD0J01 | | | 0 | | | | | | | |
| DBHD0J01 | | | | PART | | | | | | |
| DBHD0J01 | | | | PART | | | | | | |
| DBHD0J01 | | | | PART | | | | | | |
| DBHD0J01 | | IMS2 | | PART | | | | | | |
| DBHD0J01 | | IMS3 | | PART | | | | | | |
| DBHD0J01 | | IMS3 | | PART | | | | | | |
| DBHD0J01 | | | | PART | | | | | | |
| DBHD0J01 | | | | PART | | | | | | |
| DBHDOK01 | | IMS1 | | PART | | | | | | |
| DBHDOK01 | | IMS1 | | PART | | | | | | |
| DBHDOK01 | | IMS1 | | PART | | _ | | | | - |
| F1=Help | D F3: | =Exit | F4=S | howlog | g Fe | S=Expand | F | 9=Retrieve | | |
| M <u>A</u> d | | | | | F | 1 | | | 0 | 4/015 |
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| | mmunication <u>A</u> ctions | <u>W</u> indow <u>H</u> elp | | | | | |
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| | | | | | | | |
| PLEX1 | | | IMS S | ingle F | Point of Control | | |
| Command | ===> | | | | | | |
| | | | | | | | |
| | | | | | Route | I | Jait |
| | e for: QUE | | | | | | |
| DBName | | | | | LclStat | | |
| | | | | | ALLOCS, OPEN | | |
| DBHD0J01 | PDHDOJB | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBHD0J01 | PDHDOJC | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBHD0J01 | PDHDOJD | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBHDOK01 | PDHDOKA | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBHDOK01 | PDHDOKB | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBHDOK01 | PDHDOKC | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBHDOK01 | PDHDOKD | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBOHIDK5 | POHIDKA | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBOHIDK5 | POHIDKB | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| DBOHIDK5 | POHIDKC | IMS3 | Θ | PART | ALLOCS, OPEN | | |
| DBOHIDK5 | POHIDKD | IMS3 | Θ | PART | ALLOCS, OPEN | | |
| DBVHDJ05 | PVHDJ5A | IMS3 | Θ | PART | ALLOCS, OPEN | | |
| DBVHDJ05 | PVHDJ5B | IMS3 | Θ | PART | ALLOCS, OPEN | | |
| DBVHDJ05 | PVHDJ5C | IMS3 | 0 | PART | ALLOCS, OPEN | | |
| F1=Help | 5 F3= | =Exit | F4=9 | Showlog | g F6=Expand | F9=Retrieve | F12=Cancel |
| MA d | | | | | A . | | 04/015 |
| | ote server/host stlvm32 | .svl.ibm.com using por | rt 23 | | | | 11. |

| 3€ VM32 | | | | | _ 0 | | | | |
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| Eile Edit View Communication Actions | <u>W</u> indow <u>H</u> elp | | | | | | | | |
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| <u>F</u> ile <u>A</u> ction <u>M</u> anage resources <u>S</u> POC <u>V</u> iew <u>O</u> ptions <u>H</u> elp | | | | | | | | | |
| | | | | | | | | | |
| PLEX1 | IMS S | ingle Poir | nt of Control | | | | | | |
| Command ===> | | | | | | | | | |
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| | | | Route | l | | _ | | | |
| Response for: QUE | | | | | More: + | | | | |
| DBName PartName | | TYPE | | | | | | | |
| DBHDOJ01 PDHDOJA | | PART | | | | | | | |
| DBHDOJ01 PDHDOJB | | PART | ALLOCS, NOTOPEN | | | | | | |
| DBHDOJ01 PDHDOJC | | PART | ALLOCS, NOTOPEN | | | | | | |
| DBHDOJ01 PDHDOJD | IMS1 0 | PART | ALLOCS, NOTOPEN | | | | | | |
| DBHDOJ01 PDHDOJA | IMS2 0 | PART | ALLOCS, NOTOPEN | l | | | | | |
| DBHDOJ01 PDHDOJB | IMS2 0 | PART | ALLOCS, NOTOPEN | 1 | | | | | |
| DBHDOJ01 PDHDOJC | IMS2 0 | PART | ALLOCS, NOTOPEN | 1 | | | | | |
| DBHDOJ01 PDHDOJD | IMS2 0 | PART | ALLOCS, NOTOPEN | l | | | | | |
| DBHDOK01 PDHDOKA | IMS1 0 | PART | ALLOCS, NOTOPEN | l | | | | | |
| DBHDOK01 PDHDOKB | IMS1 0 | PART | ALLOCS, NOTOPEN | I | | | | | |
| DBHDOK01 PDHDOKC | IMS1 0 | PART | ALLOCS, NOTOPEN | l | | | | | |
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| DBHDOK01 PDHDOKA | IMS2 0 | PART | ALLOCS, NOTOPEN | | | | | | |
| DBHDOK01 PDHDOKB | IMS2 0 | PART | ALLOCS, NOTOPEN | | | | | | |
| DBHDOK01 PDHDOKC | IMS2 0 | PART | ALLOCS, NOTOPEN | | | | | | |
| | | Showlog | | 9=Retrieve | F12=Cancel | | | | |
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| D2XHDJ05 | | | | | | | | | |
| D2XHDJ05 | P2XHDJA | | | NOTOPEN | | | | | |
| D2XHDJ05 | | | | | | | | | |
| D2XHDJ05 | P2XHDJA | | 0 PART | | | | | | |
| D2XHIDK5 | | | 0 PSIN | | | | | | |
| D2XHIDK5 | | | 0 PART | | | | | | |
| D2XHIDK5 | | IMS2 | 0 PSIN | | | | | | |
| D2XHIDK5 | | | | NOTOPEN | | | | | |
| D2XHIDK5 | | | | | | | | | |
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| ₽ <mark>1</mark> General VMs |
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| <u>F</u> ile <u>A</u> ction <u>M</u> anage resources <u>S</u> POC <u>V</u> iew <u>O</u> ptions <u>H</u> elp |
| PLEX1 IMS Single Point of Control Command ===> |
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| <pre>Plex Route Wait Response for: QUERY DB NAME(AUTODB,BE30RDER) SHOW(ACCTYPE,RESI</pre> |
| DBName MbrName CC TYPE LAcc LRsdnt |
| AUTODB IMS1 0 DL/I UPD N |
| AUTODB IMS2 0 DL/I UPD N |
| BE30RDER IMS1 0 DL/I EXCL N |
| BE30RDER IMS2 0 DL/I EXCL N |
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| F1=Help F3=Exit F4=Showlog F6=Expand F9=Retrieve F12=Cancel |
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| CELTRAN2 | | | BAL | | | | | |
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| CELTRAN3 | | | BAL | | | | | |
| CELTRAN4 | | | BAL | | | | | |
| CELTRAN4 | | | BAL | | | | | |
| HPCSTCL1 | | | BAL | | | | | |
| HPCSTCL1 | | | BAL | | | | | |
| HRD1 | IMS1 | | BAL | | | | | |
| HRD1 HRD2 | IMS2 | | BAL BAL | | | | | |
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| HRD2 HRD3 | IMS2 | | BAL | | | | | |
| HRD3 | IMS2 | | BAL | | | | | |
| HRD4 | IMS1 | | BAL | | | | | |
| HRD4 | IMS2 | | BAL | | | | | |
| HRD5 | IMS1 | | BAL | | | | | |
| HRD5 | IMS2 | | BAL | | | | | |
| HRD6 | IMS1 | | BAL | | | | | |
| HRD6 | IMS2 | | BAL | | | | | |
| IAPMDI26 | IMS1 | 0 | BAL | | | | | |
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| ADDINV | IMS2 | 0 | 0 N | N | N | | |
| ADDPART ADDPART | IMS1 | 0 | 0 N 0 N | N N | N N | | |
| AOBMP | IMS2 IMS1 | 0 0 | 0 N 0 N | N | N | | |
| AOBMP | IMS2 | 0 | 0 N | N | N | | |
| AOP | IMS1 | 0 | 0 Y | N | N | | |
| AOP | IMS2 | õ | ΟΥ | N | N | | |
| APOL11 | IMS1 | õ | ΟY | N | N | | |
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| APOL16 | IMS1 | 0 | 0 N | N | N | | |
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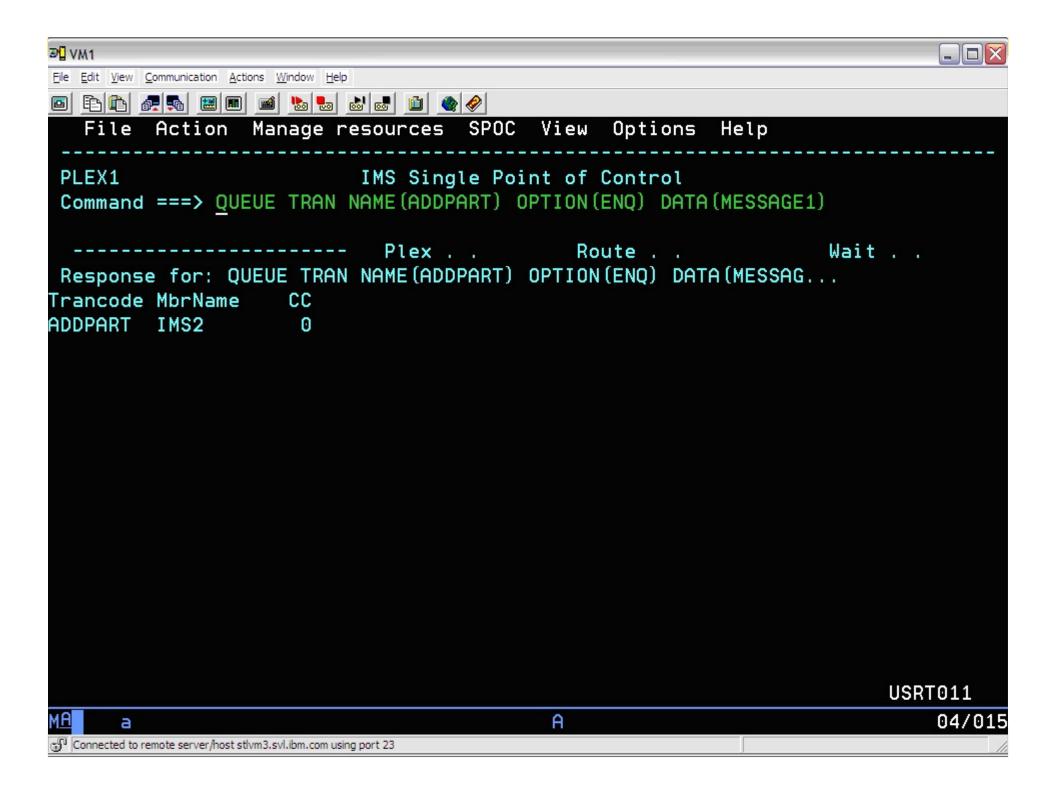


Queuing/Dequeuing Messages to/from Transactions

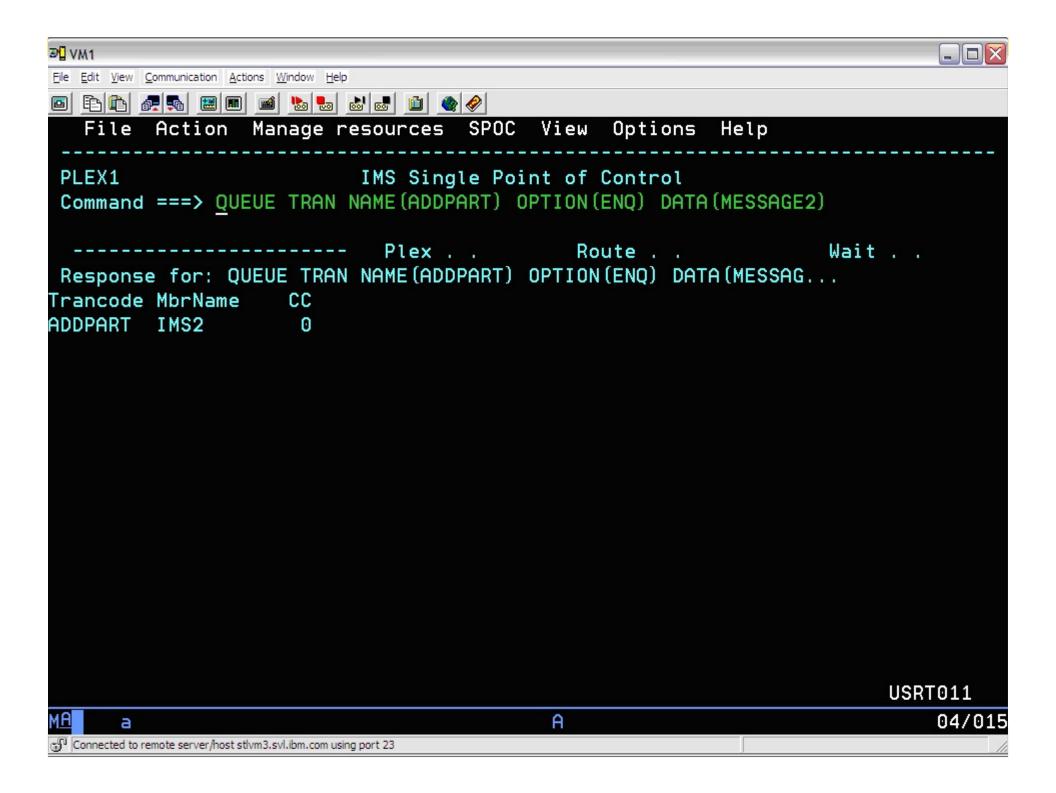


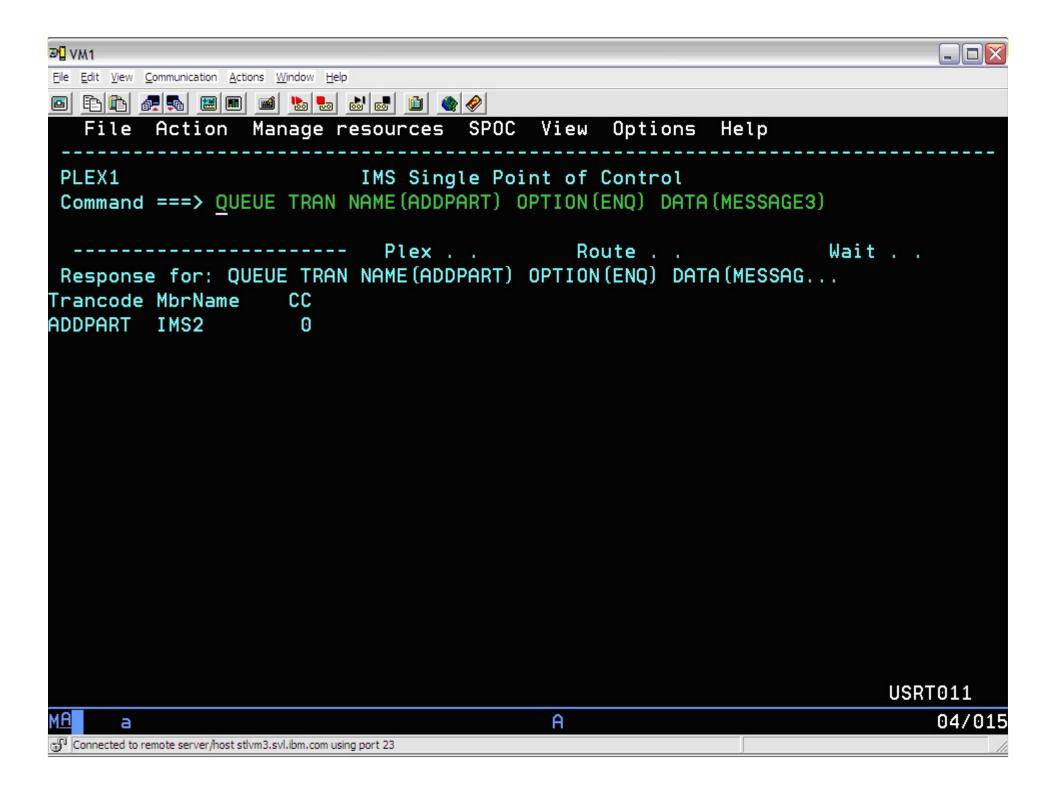
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| Response for: QUERY TRAN NAME(A | | | | | | More: | > |
| Trancode MbrName CC PSBname | | | | | | | LNPRI |
| ADDPART IMS1 0 DFSSAM04 | | | | 65535 | | | 7 |
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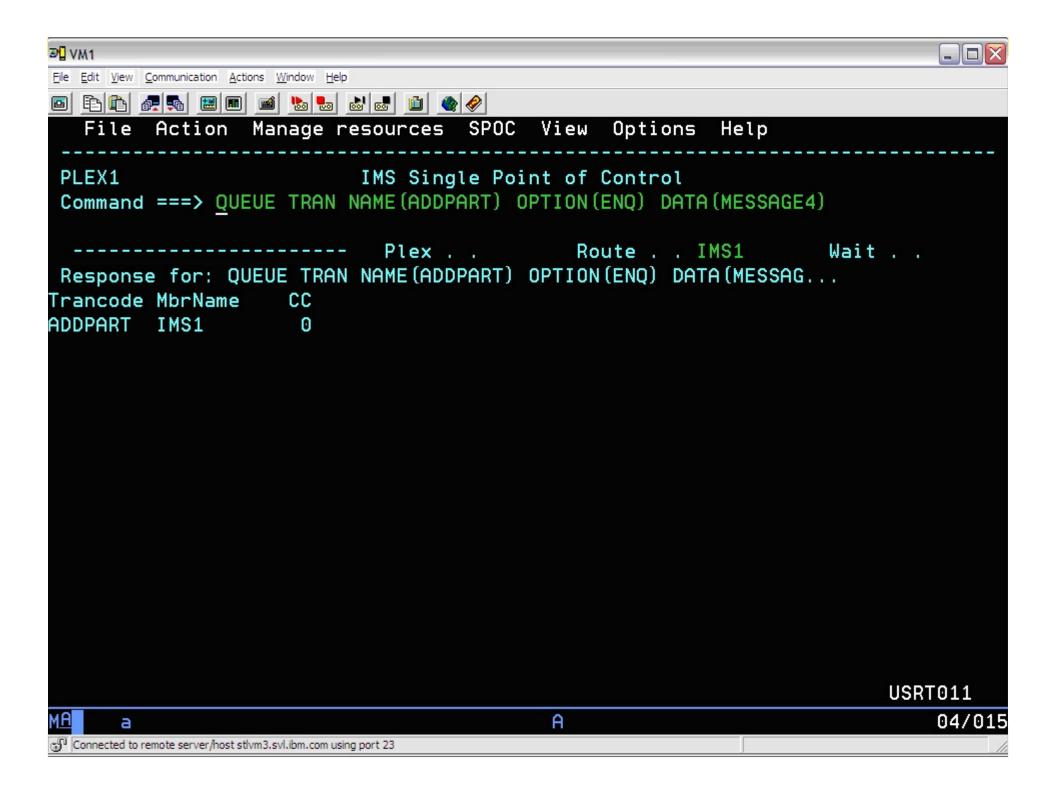
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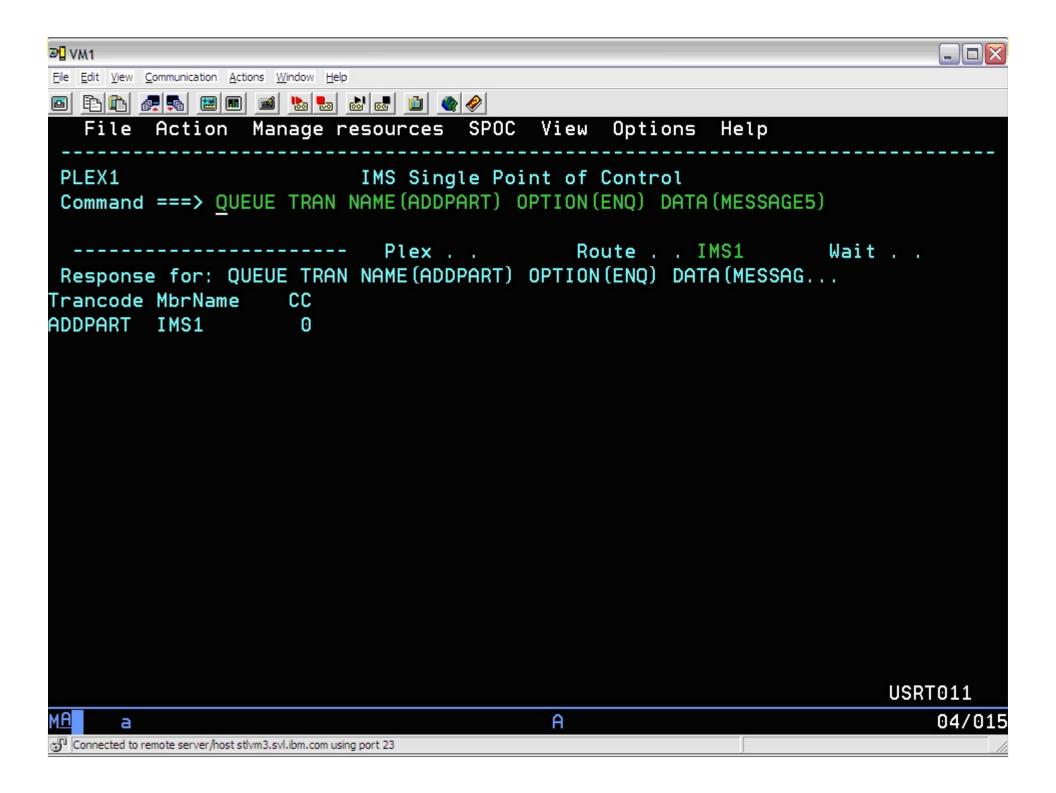


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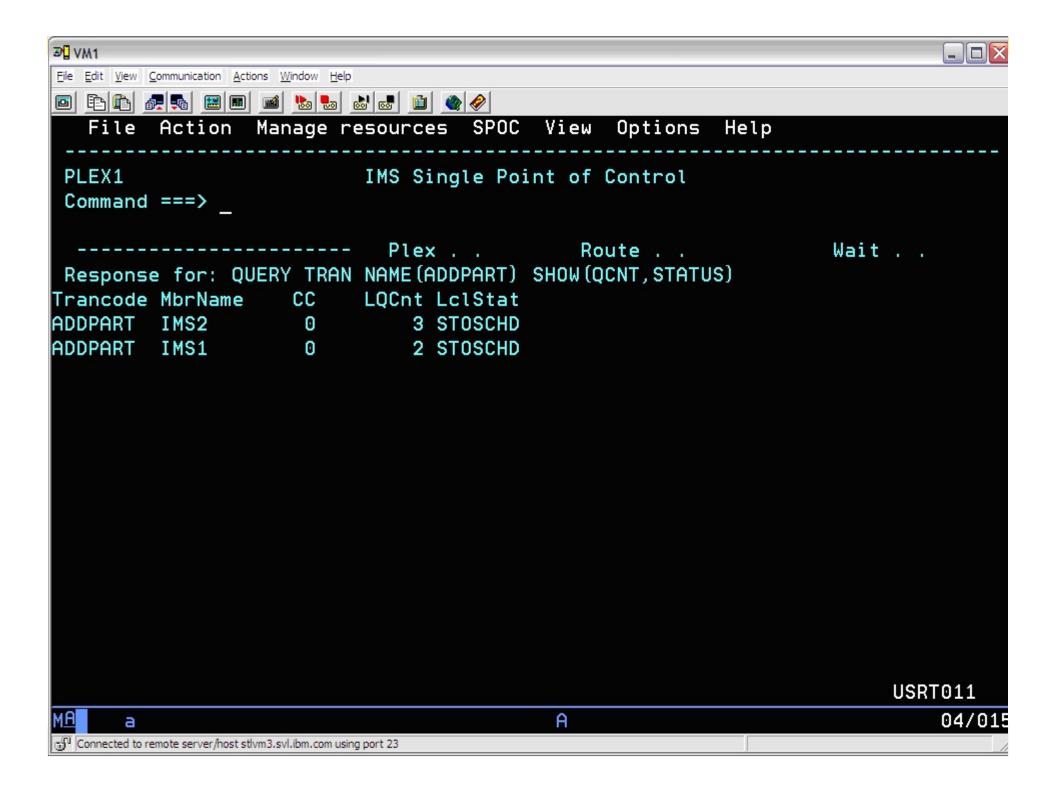






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| Response for: QUERY TRAN NAME(ADDPART) SHOW(QCNT) | Wait |
| Trancode MbrName CC LQCnt | |
| ADDPART IMS2 0 3 | |
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| Response for: UPDATE TRAN NAME(ADDPART) STOP(SCHD) | |
| Trancode MbrName CC | |
| ADDPART IMS1 0 | |
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| Trancode MbrName CC | LQcnt | | |
| ADDPART IMS2 0 | 2 | | |
| ADDPART IMS1 0 | 1 | | |
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| Route Wait | |
| Response for: UPDATE TRAN NAME(ADDPART) START(SCHD) | |
| Trancode MbrName CC | |
| ADDPART IMS1 0 | |
| ADDPART IMS2 0 | |
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| | | Route | Wait |
| Response for: QUERY TRAN | | SHOW (QCNT, STATUS) | |
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Updating Databases



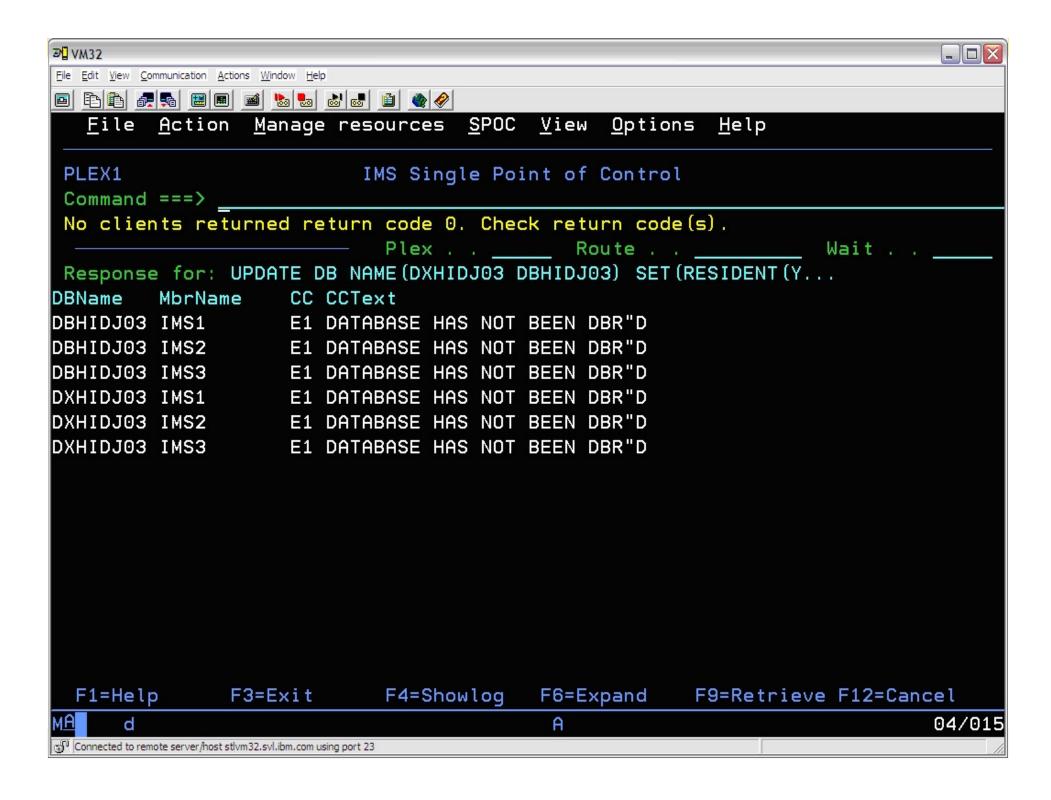
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| DBHIDJ03 IMS1 | | | | | |
| DBHIDJ03 IMS2 | | | | | |
| DBHIDJ03 IMS3 | | | | | |
| DHVNTK03 IMS1 | | | | | |
| DHVNTK03 IMS2 | | | | | |
| DHVNTK03 IMS3 | 0 DL/I | | | | |
| DXHIDJ03 IMS1 | 0 DL/I | | | | |
| DXHIDJ03 IMS2 | 0 DL/I | | | | |
| DXHIDJ03 IMS3 | 0 DL/I | | | | |
| DXVNTK03 IMS1 | 0 DL/I | | | | |
| DXVNTK03 IMS2 | | | | | |
| DXVNTK03 IMS3 | 0 DL/I | | | | |
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| | | | | | F (0,0) |
| | F3=Exit | F4=Showlog | F6=Expand | F9=Retrieve | |
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| Ele Edit Vew Communication Actions Window Help Eile Action Manage resources SPOC View Options Help PLEX1 IMS Single Point of Control Command ===> QUERY DB NAME (DBHIDJ03 DXHIDJ03) SHOW (ACCTYPE, RESIDENT) Plex Route Wait Response for: QUERY DB NAME (DBHIDJ03 DXHIDJ03) SHOW (ACCTYPE, RE |
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| File Action Manage resources SPOC View Options Help PLEX1 IMS Single Point of Control Command ===> QUERY DB NAME (DBHIDJ03 DXHIDJ03) SHOW (ACCTYPE, RESIDENT) Plex Route Wait Response for: QUERY DB NAME (DBHIDJ03 DXHIDJ03) SHOW (ACCTYPE, RE |
| PLEX1 IMS Single Point of Control Command ===> QUERY DB NAME (DBHIDJ03 DXHIDJ03) SHOW (ACCTYPE, RESIDENT) Plex Route Wait Response for: QUERY DB NAME (DBHIDJ03 DXHIDJ03) SHOW (ACCTYPE, RE |
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| Command ===> QUERY DB NAME(DBHIDJ03 DXHIDJ03) SHOW(ACCTYPE,RESIDENT) Plex Route Wait Response for: QUERY DB NAME(DBHIDJ03 DXHIDJ03) SHOW(ACCTYPE,RE |
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| Response for: QUERY DB NAME(DBHIDJ03 DXHIDJ03) SHOW(ACCTYPE,RE |
| Response for: QUERY DB NAME(DBHIDJ03 DXHIDJ03) SHOW(ACCTYPE,RE |
| |
| DBName MbrName CC TYPE LAcc LRsdnt |
| DBHIDJ03 IMS1 0 DL/I UPD N |
| DBHIDJ03 IMS2 0 DL/I UPD N |
| DBHIDJ03 IMS3 0 DL/I UPD N |
| DXHIDJ03 IMS1 0 DL/I UPD N |
| DXHIDJ03 IMS2 0 DL/I UPD N |
| DXHIDJ03 IMS3 0 DL/I UPD N |
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| F1=Help F3=Exit F4=Showlog F6=Expand F9=Retrieve F12=Cancel |
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| PLEX1 | | IMS Single Po | int of Contro | 1 | |
| Command == | | INO DINGLE PO | | | |
| oominaria | | | | | |
| | | - Plex | Route . | . I | Jait |
| Response f | or: UPDATE DB | NAME (DBHIDJ03 | | | |
| | rName CC | | | | |
| DBHIDJ03 IM | IS1 0 | | | | |
| DBHIDJ03 I№ | IS2 0 | | | | |
| DBHIDJ03 I№ | IS3 0 | | | | |
| DXHIDJ03 I№ | IS1 0 | | | | |
| DXHIDJ03 I№ | IS2 0 | | | | |
| DXHIDJ03 IM | IS3 0 | | | | |
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| PLEX1 | | IMS Single Po | int of Control | L | |
| | | _ | | | (ACCTYPE (EXCL)) |
| | | | | | |
| | | Plex | Route . | I | Wait |
| Response for: | UPDATE DB I | NAME(DBHIDJ03 | DXHIDJ03) STAP | RT (ACCESS) | |
| DBName MbrNa | me CC | | | | |
| DBHIDJO3 IMS1 | 0 | | | | |
| DBHIDJ03 IMS2 | 0 | | | | |
| DBHIDJO3 IMS3 | 0 | | | | |
| DXHIDJO3 IMS1 | 0 | | | | |
| DXHIDJ03 IMS2 | 0 | | | | |
| DXHIDJO3 IMS3 | 0 | | | | |
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| PLEX1 | IMS Single | Point of Control | | |
| Command ===> | | | | |
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| | | Route | l | Jait |
| Response for: QUERY D | B NAME (DBHIDJ03 | DXHIDJ03) SHOW (A | ACCTYPE, RE | |
| DBName MbrName CC | TYPE LACC I | LRsdnt | | |
| DBHIDJ03 IMS1 0 | DL/I EXCL I | N | | |
| DBHIDJ03 IMS2 0 | DL/I EXCL I | N | | |
| DBHIDJ03 IMS3 0 | DL/I EXCL I | N | | |
| DXHIDJ03 IMS1 0 | DL/I EXCL I | N | | |
| DXHIDJ03 IMS2 0 | DL/I EXCL I | Ν | | |
| DXHIDJO3 IMS3 0 | DL/I EXCL I | N | | |
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| <u> </u> | n <u>M</u> anage r | esources <u>S</u> POC | <u>V</u> iew <u>O</u> ption | s <u>H</u> elp | |
| PLEX1 | | IMS Single Poi | int of Control | | |
| Command ===> | | | | | |
| | | | | | |
| | | - Plex | Route | l | Jait |
| Response for: | UPDATE DB | NAME (DXHIDJ03 [| OBHIDJ03) STOP | (ACCESS) | |
| DBName MbrNa | me CC | | | | |
| DBHIDJ03 IMS1 | Θ | | | | |
| DBHIDJ03 IMS2 | Θ | | | | |
| DBHIDJ03 IMS3 | Θ | | | | |
| DXHIDJ03 IMS1 | Θ | | | | |
| DXHIDJ03 IMS2 | Θ | | | | |
| DXHIDJ03 IMS3 | Θ | | | | |
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| ₽ <mark>1</mark> VM32 | | | | | |
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| <u> </u> | n <u>M</u> anage reso | ources <u>S</u> POC | <u>V</u> iew <u>O</u> p | tions <u>H</u> elp | |
| PLEX1 | II | MS Single Poi | int of Con | trol | |
| Command ===> | | | | | |
| | | | | | |
| | | | | | Wait |
| Response for: | | | (HIDJ03) S | HOW(STATUS) | |
| DBName MbrNa | | | | | |
| DBHIDJ03 IMS1 | | | | | |
| DBHIDJ03 IMS2 | 0 DL/I | NOTOPEN, | STOACC | | |
| DBHIDJ03 IMS3 | 0 DL/I | NOTOPEN, | STOACC | | |
| DXHIDJ03 IMS1 | 0 DL/I | NOTOPEN, | STOACC | | |
| DXHIDJ03 IMS2 | 0 DL/I | NOTOPEN, | STOACC | | |
| DXHIDJ03 IMS3 | 0 DL/I | NOTOPEN, | STOACC | | |
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| F1=Help | F3=Exit | F4=Showlog | F6=Expan | d F9=Retrie | ve F12=Cancel |
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| Eile Edit View Communication Actions Window Help | |
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| <u>F</u> ile <u>A</u> ction <u>M</u> anage resources <u>S</u> POC <u>V</u> iew <u>O</u> ptions <u>H</u> elp | |
| PLEX1 IMS Single Point of Control | |
| Command ===> UPDATE DB NAME(DXHIDJ03 DBHIDJ03) SET(RESIDENT(Y)) | |
| | |
| Plex Route Wait | |
| Response for: UPDATE DB NAME (DXHIDJ03 DBHIDJ03) SET (RESIDENT (Y | |
| DBName MbrName CC | |
| DBHIDJ03 IMS1 0 | |
| DBHIDJ03 IMS2 0 | |
| DBHIDJ03 IMS3 0 | |
| DXHIDJ03 IMS1 0 | |
| DXHIDJ03 IMS2 0 | |
| DXHIDJ03 IMS3 0 | |
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| F1=Help F3=Exit F4=Showlog F6=Expand F9=Retrieve F12=Cancel | |
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| ₽ <mark>1</mark> VM32 | | | | | |
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| <u>F</u> ile <u>A</u> ctio | n <u>M</u> anage res | ources <u>S</u> POC | <u>V</u> iew <u>O</u> ptio | ns <u>H</u> elp | |
| PLEX1 | т | MS Single Poi | int of Contro | 1 | |
| | | _ | | ACCTYPE RESIDEN | т) |
| | | | 110000) 0110w(| HOUTTLE REDIDER | |
| | | Plex | Route | . Wa | it |
| Response for: | | | | (ACCTYPE RE | |
| DBName MbrNa | | LAcc Rs | | | |
| DBHIDJO3 IMS1 | | | | | |
| DBHIDJO3 IMS2 | | | | | |
| DBHIDJO3 IMS3 | | | | | |
| DXHIDJO3 IMS1 | | | | | |
| DXHIDJO3 IMS2 | | | | | |
| DXHIDJO3 IMS3 | | | | | |
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| F1=Help | F3=Exit | F4=Showlog | F6=Expand | F9=Retrieve F | 12=Cancel |
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Updating Transactions with Type-1 Commands Using MTO



| 18.46.13 | 66/DISPLAY TRA | ADDPART | | | | | | |
|----------------------|-----------------|-------------|---------|--------|-------|-------|----|----|
| 18.46.13 JOB00166 | IEE600I REPLY | TO 66 IS;/I | DISPLAY | TRAN A | DDPAR | }T | | |
| 18.46.13 JOB00166 | DFS000I TR | AN CLS | ENQCT | QCT | LCT | PLCT | CP | NP |
| LP SEGSZ SEGNO PA | RLM RC IM | 51 | | | | | | |
| 18.46.13 JOB00166 | DFS000I ADI | OPART 4 | 5 | 0 | 2 | 65535 | 10 | 7 |
| 10 0 N | ONE O IM | 51 | | | | | | |
| 18.46.13 JOB00166 | DFS000I | PSBNAME: | DFSSAMO |)4 IM | S1 | | | |
| 18.46.13 JOB00166 | DFS000I *0 | 9092/18461 | 3* IMS | 51 | | | | |
| ×18.46.13 JOB00166 > | *67 DFS996I *IM | S READY* | IMS1 | | | | | |

| 18.46.00 | 54/DISPLAY | TRAN ADDR | PART | | | | | |
|--------------------|-------------|-----------|--------------|------|--------|-------|----|----|
| 18.46.00 JOB00113 | IEE600I RE | PLY TO 54 | IS; /DISPLAY | TRAN | ADDPAR | RT | | |
| 18.46.00 JOB00113 | DFS000I | TRAN | CLS ENQCT | QCT | LCT | PLCT | CP | NP |
| LP SEGSZ SEGNO PA | ARLM RC | IMS2 | | | | | | |
| 18.46.00 JOB00113 | DFS000I | ADDPART | 4 9 | 2 | 2 | 65535 | 10 | 7 |
| 10 0 0 | | | | | | | | |
| 18.46.00 JOB00113 | | | | | [MS2 | | | |
| 18.46.00 JOB00113 | | | | 152 | | | | |
| <18.46.00 JOB00113 | *55 DFS996I | *IMS REAL | DY≭ IMS2 | | | | | |



| 18.46.13 JOB | 00166 *67 DFS996I | *IMS READY* IMS1 | | |
|---------------|-------------------|--------------------|--------------|----|
| 18.47.15 | 67/STOP TRA | N ADDPART | | |
| 18.47.15 JOB | 00166 IEE600I REP | LY TO 67 IS;/STOP | TRAN ADDPART | |
| 18.47.15 JOB | 00166 DFS058I 18: | 47:15 STOP COMMAND | COMPLETED IM | S1 |
| *18.47.15 JOB | 00166 ×68 DFS996I | *IMS READY* IMS1 | | |

| | 18.46.00 | J0B00113 | *55 DFS996I *IMS READY* IMS2 | |
|---|----------|----------|---|-----|
| | 18.47.38 | | 55/STOP TRAN ADDPART | |
| | 18.47.38 | J0B00113 | IEE600I REPLY TO 55 IS;/STOP TRAN ADDPART | |
| | 18.47.38 | J0B00113 | DFS058I 18:47:38 STOP COMMAND COMPLETED I | MS2 |
| * | 18.47.38 | J0B00113 | *56 DFS996I *IMS READY* IMS2 | |



| 18.48.28 | 68/DISPLAY TH | RAN ADDF | PART | | 2 | | | |
|--------------------|----------------|----------|------------|---------|--------|-------|----|----|
| 18.48.28 JOB00166 | IEE600I REPLY | / TO 68 | IS; /DISPL | AY TRAN | ADDPAP | ۲۲ | | |
| 18.48.28 JOB00166 | DFS000I 1 | FRAN | CLS ENQ | т ост | LCT | PLCT | CP | NP |
| LP SEGSZ SEGNO PA | IRLM RC 1 | MS1 | | | | | | |
| 18.48.28 JOB00166 | DFS000I F | ADDPART | 4 | 5 0 | 2 | 65535 | 10 | 7 |
| 10 0 O N | IONE 0 1 | [MS1 | | | | | | |
| 18.48.28 JOB00166 | DFS000I | PSBN | IAME: DFSS | SAMO4 | [MS1 | | | |
| 18.48.28 JOB00166 | DFS000I | STAT | US: STOP | IMS1 | | | | |
| 18.48.28 JOB00166 | DFS000I | ×09092/1 | 84828× | IMS1 | | | | |
| ×18.48.28 JOB00166 | *69 DFS996I *1 | MS READ | Y∗ IMS1 | | | | | |

| 18.48.48 | 56/DISPLAY T | RAN ADDP | ART | | | | | |
|-------------------|---------------|----------|------------|---------|--------|-------|----|----|
| 18.48.48 JOB00113 | IEE600I REPL | Y TO 56 | IS; /DISPL | AY TRAN | ADDPAR | RT | | |
| 18.48.48 JOB00113 | DFS000I | TRAN | CLS ENQ | ст ост | LCT | PLCT | CP | NP |
| LP SEGSZ SEGNO PA | RLM RC | IMS2 | | | | | | |
| 18.48.48 JOB00113 | DFS000I | ADDPART | 4 | 9 2 | 2 | 65535 | 10 | 7 |
| 10 0 N | ONE 0 | IMS2 | | | | | | |
| 18.48.48 JOB00113 | DFS000I | PSBN | IAME: DFSS | SAMO4 | [MS2 | | | |
| 18.48.48 JOB00113 | DFS000I | STAT | US: STOP | IMS2 | | | | |
| 18.48.48 JOB00113 | DFS000I | *09092/1 | .84848* | IMS2 | | | | |
| 18.48.48 JOB00113 | *73 DFS996I * | IMS READ | Y* IMS2 | | | | | |



| 18.48.28 | J0B00166 | *69 DFS996I *IMS READY* IMS1 | |
|-----------|----------|---|----------|
| 18.49.29 | | 69/START TRAN ADDPART | |
| 18.49.29 | J0B00166 | IEE600I REPLY TO 69 IS;/START TRAN ADDPART | 31075760 |
| 18.49.29 | J0B00166 | DFS058I 18:49:29 START COMMAND COMPLETED IN | 151 |
| *18.49.29 | J0B00166 | *70 DFS996I *IMS READY* IMS1 | |

| 18.48.48 JOB00113 | *73 DFS996I *IMS READY* IMS2 |
|--------------------|---|
| 18.49.47 | 73/START TRAN ADDPART |
| 18.49.47 JOB00113 | IEE600I REPLY TO 73 IS;/START TRAN ADDPART |
| 18.49.47 JOB00113 | DFS058I 18:49:47 START COMMAND COMPLETED IMS2 |
| *18.49.47 JOB00113 | *74 DFS996I *IMS READY* IMS2 |



| 18.50.29 | 70/DISPLAY | TRAN ADDP | PART | | | | | |
|----------------------|-------------|-----------|-----------|----------|--------|-------|----|-------|
| 18.50.29 JOB00166 | IEE600I REP | LY TO 70 | IS; /DISP | LAY TRAN | ADDPAR | RT | | |
| 18.50.29 JOB00166 | DFS000I | TRAN | CLS ENQ | ст ост | LCT | PLCT | CP | NP |
| LP SEGSZ SEGNO PA | RLM RC | IMS1 | | | | | | ests. |
| 18.50.29 JOB00166 | DFS000I | ADDPART | 4 | 5 0 | 2 | 65535 | 10 | 7 |
| 10 0 N | ONE O | IMS1 | | | | | | |
| 18.50.29 JOB00166 | DFS000I | PSBN | AME: DFS | SAM04 J | MS1 | | | |
| 18.50.29 JOB00166 | DFS000I | *09092/1 | 85029× | IMS1 | | | | |
| *18.50.29 JOB00166 3 | *71 DFS996I | *IMS READ | Y* IMS1 | | | | | |
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| 18.50.48 | 74/DISPLAY | TRAN ADDR | PART | | | | | | |
|--------------------|-------------|-----------|----------|--------|------|--------|-------|----|----|
| 18.50.48 JOB00113 | IEE600I REP | PLY TO 74 | IS;/DI | SPLAY | TRAN | ADDPAR | RT | | |
| 18.50.48 JOB00113 | DFS000I | TRAN | CLS E | NQCT | QCT | LCT | PLCT | CP | NP |
| LP SEGSZ SEGNO PA | RLM RC | IMS2 | | | | | | | |
| 18.50.48 JOB00113 | DFS000I | ADDPART | 4 | 9 | 2 | 2 | 65535 | 10 | 7 |
| 10 0 O N | ONE 0 | IMS2 | | | | | | | |
| 18.50.48 JOB00113 | DFS000I | PSBN | IAME: DI | FSSAMO |)4] | MS2 | | | |
| 18.50.48 JOB00113 | DFS000I | *09092/1 | L85048* | IMS | 52 | | | | |
| ×18.50.48 JOB00113 | *75 DFS996I | *IMS READ | DY* IM | S2 | | | | | |

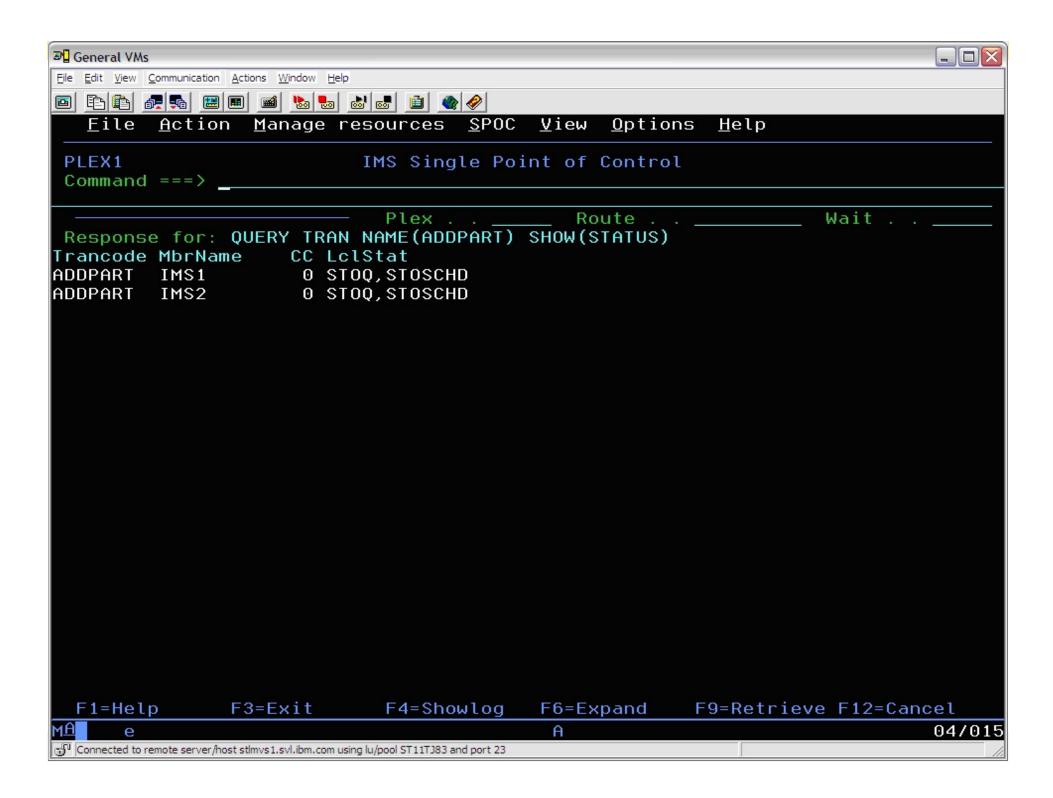


Updating Transactions with Type-2 Commands Using TSO SPOC



| File Edit View Communication Actions Window Help | |
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| <u>F</u> ile <u>A</u> ction <u>M</u> anage resources <u>S</u> POC <u>V</u> iew <u>O</u> ptions <u>H</u> elp | |
| PLEX1 IMS Single Point of Control Command ===> | |
| | |
| Response for: QUERY TRAN NAME(ADDPART) SHOW(STATUS) Trancode MbrName CC LclStat ADDPART IMS1 0 ADDPART IMS2 0 | |
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| F1=Help F3=Exit F4=Showlog F6=Expand F9=Retrieve F12=Cancel | |
| MA e 04/ Image: Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11TJ83 and port 23 04/ | 015 |

| ₽ <mark>1</mark> General VMs | |
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| <u>File Edit View Communication Actions Window H</u> elp | |
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| <u>File Action Manage resources SPOC</u> | <u>V</u> iew <u>O</u> ptions <u>H</u> elp |
| PLEX1 IMS Single Po Command ===> | |
| Plex | Route Wait |
| Response for: UPDATE TRAN NAME(ADDPART |) STOP(Q, SCHD) |
| Trancode MbrName CC | |
| ADDPART IMS1 0 | |
| ADDPART IMS2 0 | |
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| F1=Help F3=Exit F4=Showlog | F6=Expand F9=Retrieve F12=Cancel |
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| <u>File E</u> dit <u>V</u> iew <u>C</u> or | mmunication <u>A</u> ctio | ns <u>W</u> indow <u>H</u> elp | | | | |
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| | | | | <u>V</u> iew <u>O</u> ption≘ | : <u>H</u> elp | |
| PLEX1 Command : | ===> | | IMS Single Poi | nt of Control | | |
| | | | Plex | Route | | Wait |
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| F1=Help | F3 | =Exit | F4=Showlog | F6=Expand | F9=Retrieve | F12=Cancel |
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| F1=Help F3=Exit F | 4=Showlog | F6=Expand | F9=Retrieve | F12=Cancel |
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| Connected to remote server/host stlmvs1.svl.ibm.com using lu/pool ST11T | G24 and port 23 | | | 1 |