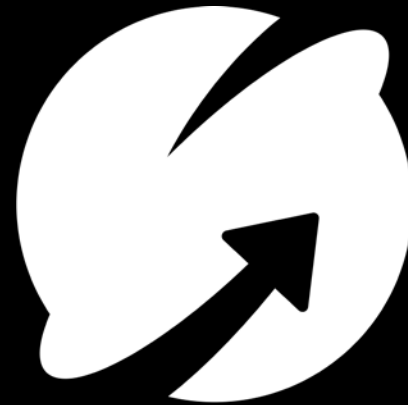


A smarter way to manage and configure your IMS systems

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Fundi Software



IBM

IMS Tools

for z/OS

The way forward (our agenda today...)

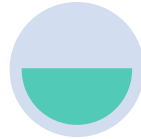


Confronting the fear of change

The issue of **complexity**

The **scale** of the problem

Upgrades and the need for change



Automatic discovery of IMS topologies

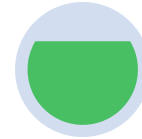
What's in my **IMS topology**?

What **IMS systems** are there?

What **IMS Connect** systems?

Which **CSL members**?

What **PROCLIB data sets**?



Parameter editing for an IMSplex

What **PROCLIB** members are **active**?

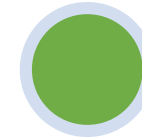
How can I **check syntax** of parameters?

How can I **avoid syntax mistakes** in the first place?

There are so many parameters, **what do they all do**?

How can we **track change**?

What can we do if we need to **revert**?



Enterprise-wide management

How can we **view** and **compare** values across systems?

Can we use **IMS commands** to simplify the process?

Can we easily **reveal differences** in configurations?

Can we **export the data** for offline analysis?



The fear of changing an IMS system

- 35 unique IMS PROCLIB data set members (IMS V15)
- 850+ parameters and sub-parameters
- 50+ new or changed parameters in each release of IMS
- Numerous interdependencies, but if we don't change, we may miss out on valuable performance improvements and upgrades..

And we are just talking about one system...

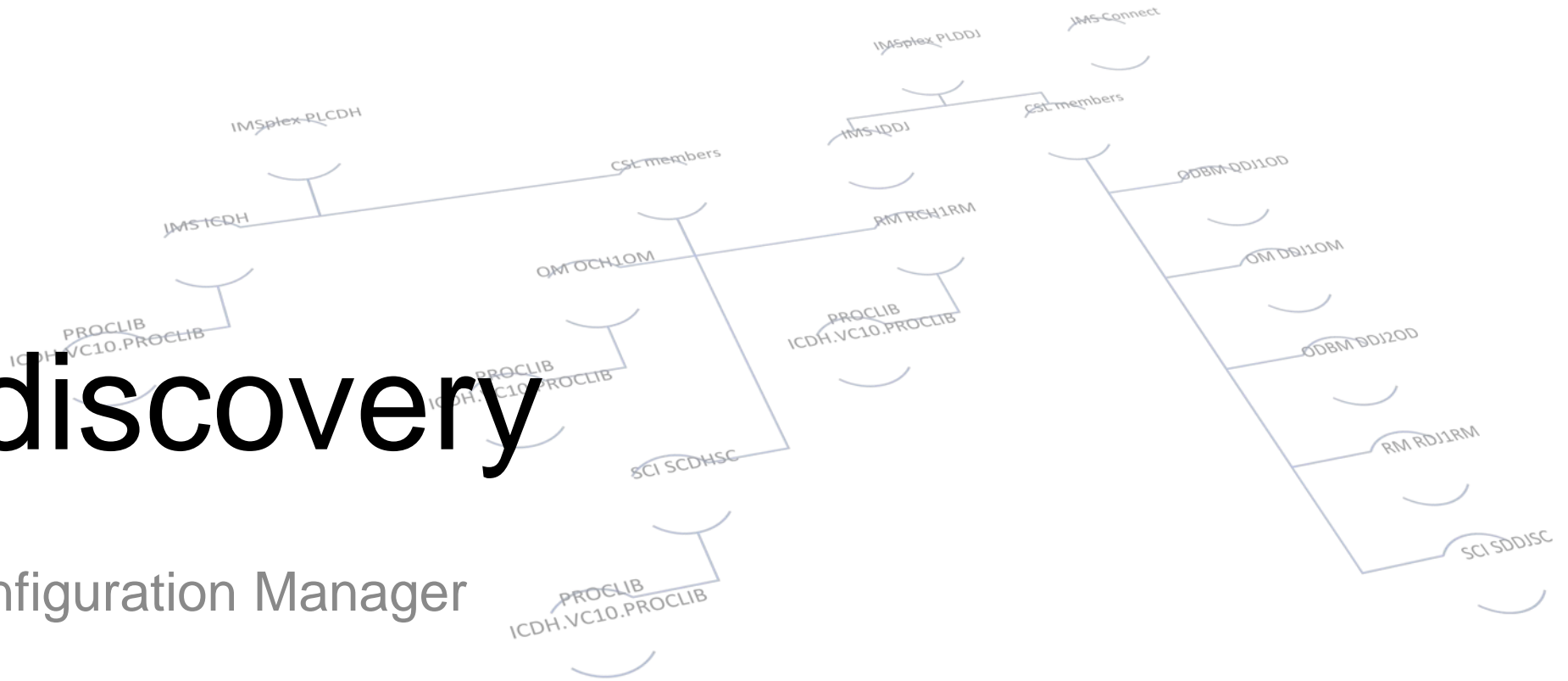
...and most of us have more than one!

*Can we start by
making an
inventory of what
we have?*



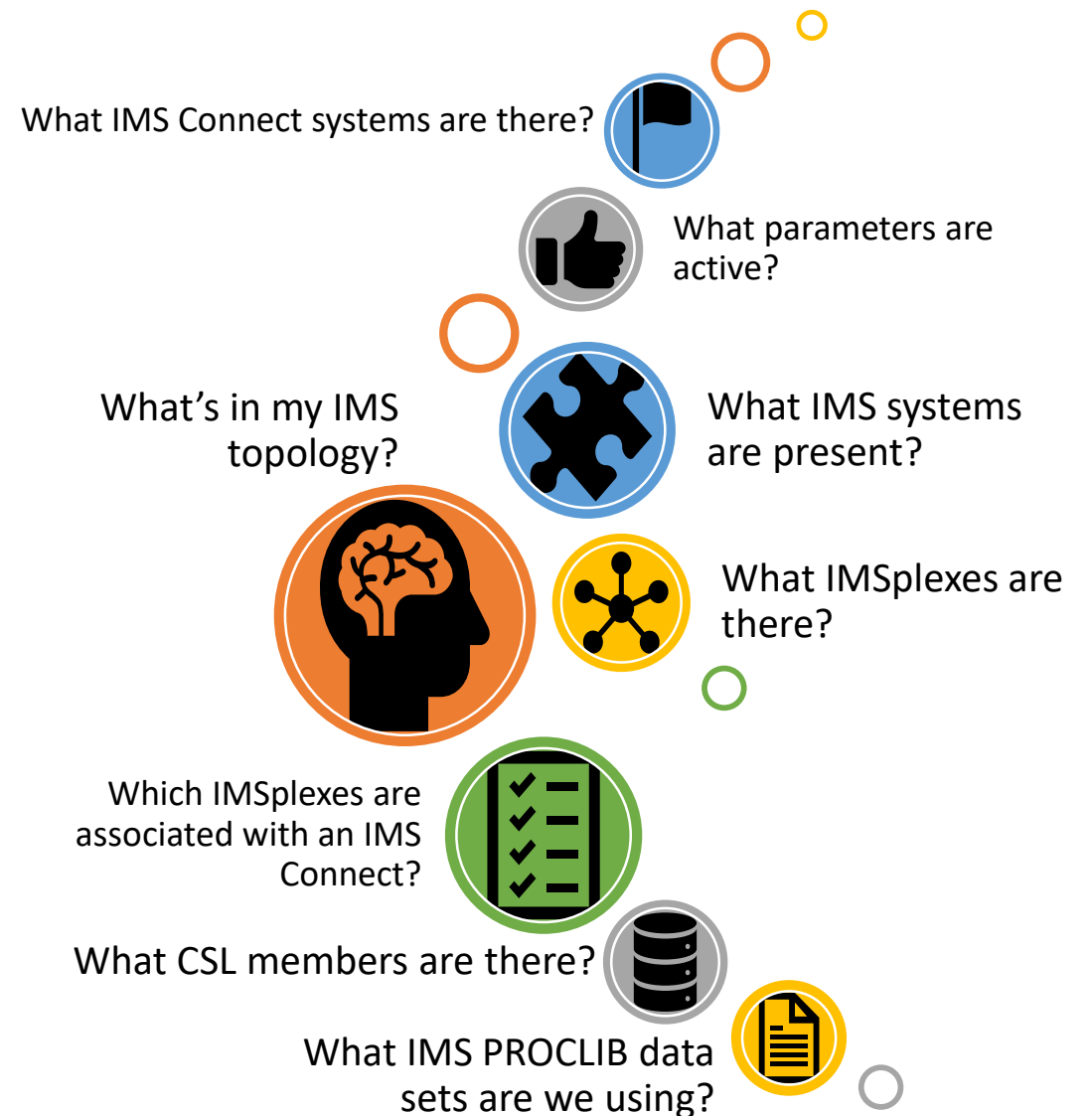
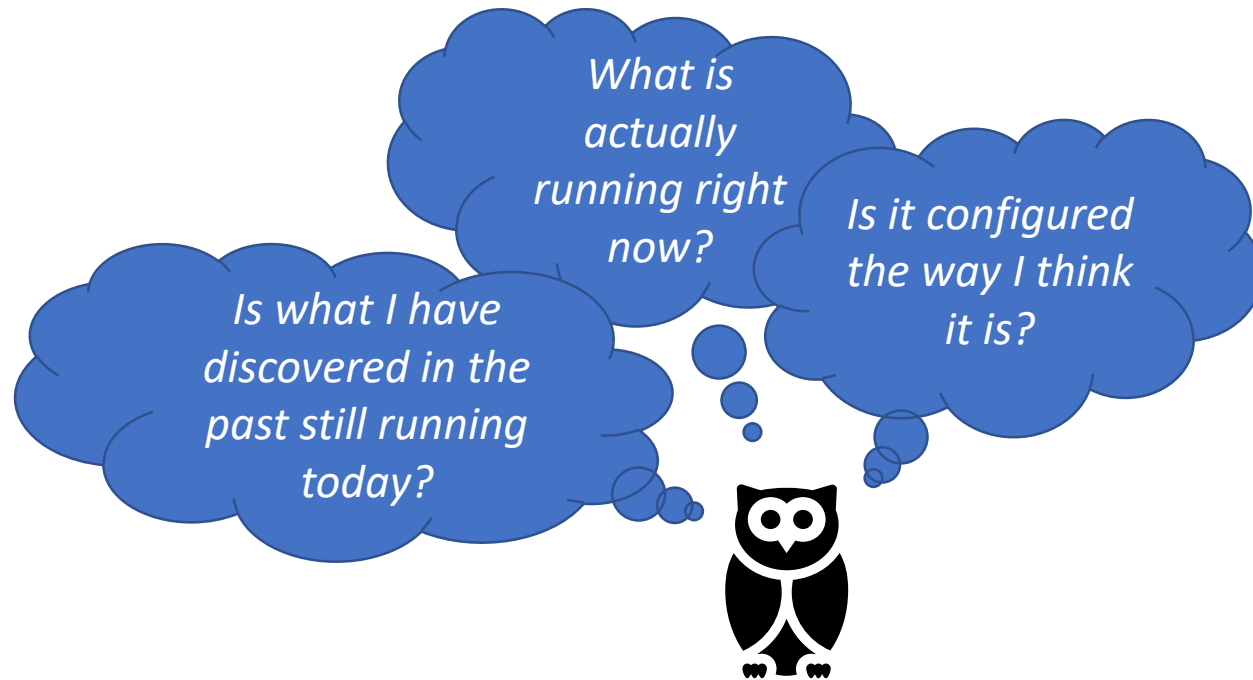
Autodiscovery

with IMS Configuration Manager



Autodiscovery with IMS Configuration Manager

What was once laborious now takes seconds...



Systems view

Name	Type	IMSpIex	VV.R
CDQ1SC	SCI	PLCDH	1.5
DCH10D	ODBM	PLCDH	1.2
DCJ10D	ODBM	PLCDJ	1.2
DCJ10M	OM	PLCDJ	1.5
DCJ20D	ODBM	PLCDJ	1.2
DDH10M	OM	PLDDH	1.6
DDJ10D	ODBM	PLDDJ	1.3
DDJ10M	OM	PLDDJ	1.6
IBDP	IMS	PLXDP	11.1
IBDR	IMS	PLBDP	11.1
ICDH	IMS	PLCDH	12.1
ICDJ	IMS	PLCDJ	12.1
ICDP	IMS	PLXDP	12.1
ICDQ	IMS	PLDDQ	12.1
ICDR	IMS	PLCDP	12.1
ICMIC00	IMSCON	+3	12.1
ICMIC01	IMSCON		12.1
ICMIC02	IMSCON	PLXDP	13.1

Active params

```

EDIT                               IMS Active Members                               Row 1 of 25
Command ==> _____ Scroll ==> PAGE

IMS System ID . . . : ICDQ           Version (VV.R) . . : 12.1
Description . . . . :
IMSpIex . . . . . : PLDDQ

Search . . _____

Member
/ Prompt Lib Size Created ----- Changed ----- ID
- BPECONFG 1
- CQSIPDQ1 2 12 2013/11/13 2013/11/14 16:36:30 DDDD
- CQSSGDQ1 2 31 2013/11/13 2013/11/18 15:59:13 DDDD
- CQSSLDQ1 2 20 2013/11/13 2013/11/18 15:59:06 DDDD
- DBFMSDBC 1
- DFSCGDQ1 1 14 2013/11/12 2013/11/12 14:13:36 DDDD
- DFSDC000
- DFSDFPLQ 1 24 2012/08/15 2012/08/15 08:51:06 NME1
- DFSDRFDC 1
- DFSDSM00 1
- DFSDSCT0 1
- DFSFDR__
. . .
  
```

```

VIEW                               IMS System PROCLIB Parameters                               Row 1 to 2 of 2
Command ==> _____ Scroll ==> PAGE

IMS ID . . . . . : ICDQ           Version . . . : 12.1 +
Description . . . . :
IMSpIex . . . . . : PLDDQ +

RGSUF . . . . . : DQ1 (DFSPB member suffix)
DFSPB JCL overrides . AUTO=N

CQSINIT . . . . . : DQ1 (CQSIP member suffix)
CQSIP JCL overrides .
BPECFG . . . . . : BPECONFG (BPE configuration member name)
DSPBI . . . . . : DQ1 (DSPBI member suffix)

Control Region Type . 1 1. DB/DC 2. DBCTL 3. DCCTL

/ PROCLIB Data Set
  'ICDQ.VC10.PROCLIB'
  'IDDQ.VD10.PROCLIB'
  
```

Param info

Smart editor

```

EDIT                               ICDQ.VC10.PROCLIB(BPECONFG) - 01.00                               Columns
Command ==> _____ Scroll _____

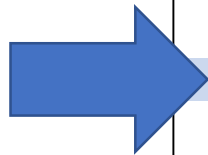
CHECK Validate the member syntax
MODEL Insert a new parameter with syntax assistance
HELP Press F1 to request parameter sensitive help
***** ***** Top of Data *****

000001 *-----*
000002 * CONFIGURATION FILE FOR BPE WITH CQS, OM, RM, SCI - BPECONFG *
000003 *-----*
000004 LANG=ENU /* LANGUAGE FOR MESSAGES */
000005 /* ENU = U.S. ENGLISH) */
000006 #
000007 # DEFINITIONS FOR BPE SYSTEM TRACES
000008 #
000009 TRCLEV=(*,LOW,BPE) /* DEFAULT ALL TRACES TO LOW */
000010 # NOTE: KEEP THE FOLLOWING FOR COMPATIBILITY WITH 6.1 BPE
000011 TRCLEV=(STG,LOW,BPE) /* STORAGE TRACE */
000012 TRCLEV=(CBS,LOW,BPE) /* CONTROL BLK SRVCS TRACE */
000013 TRCLEV=(DISP,LOW,BPE) /* DISPATCHER TRACE */
000014 TRCLEV=(AWE,LOW,BPE) /* AWE SERVER TRACE */
000015 TRCLEV=(LATC,LOW,BPE) /* LATCH TRACE */
000016 TRCLEV=(SSRV,LOW,BPE) /* SYSTEM SERVICES TRACE */
. . .
  
```

Running autodiscovery (ISPF method)

```
IMS Configuration Manager 2.3 - Primary Option Menu
Option ==> _____
0 Profile    Customize your IMS Configuration Manager profile
1 IMSplexes  Maintain IMS parameters across an IMSplex
2 Systems    Maintain IMS parameters for a system
3 PROCLIBs   Maintain IMS PROCLIB data sets
4 Discovery  Run the autodiscovery utility
X Exit       Exit IMS Configuration Manager

Environment:
Definitions Repository 'IMPOTxx.IMSCM.GPLREPOS'
```



You can also run this in batch or as part of the Common Service Library server startup...



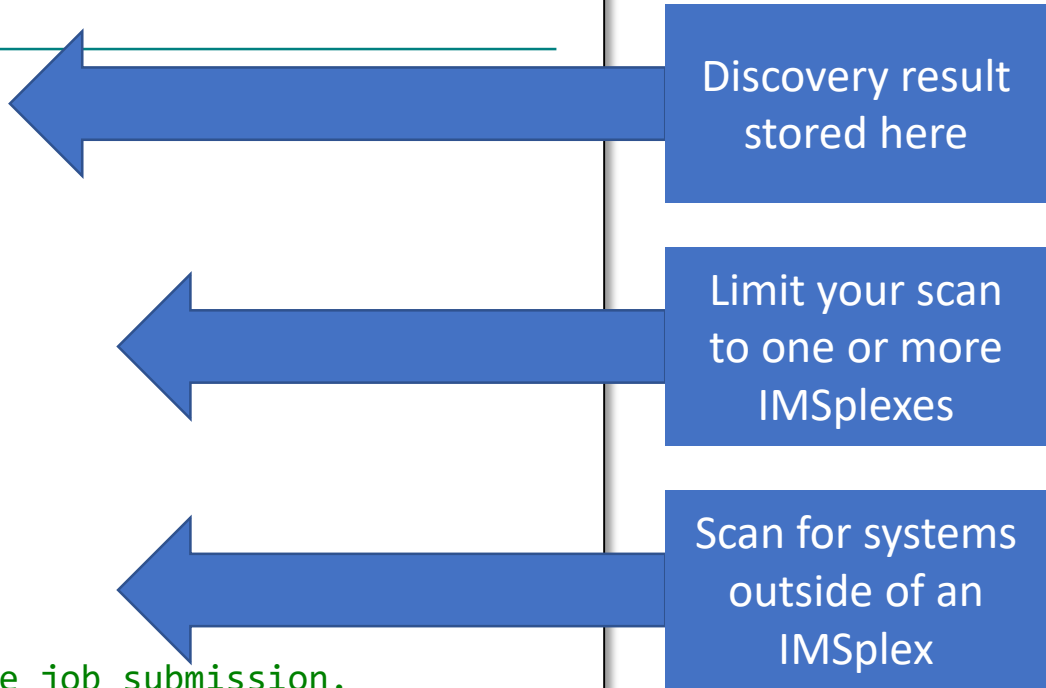
Running autodiscovery (ISPF method)

```
Autodiscovery
Command ==> SUB
Definitions repository: 'IMPOT26.IMSCM.GPLREPOS'

/ Discover IMSplexes and member systems
  Limit discovery to the following IMSplexes:
  _____ + _____ + _____ + _____ + _____ +
  _____ + _____ + _____ + _____ + _____ +
  _____ + _____ + _____ + _____ + _____ +
  _____ + _____ + _____ + _____ + _____ +

_ Discover systems that are not part of an IMSplex
  Specify one or more LPARs:
  _____
  _____

Instructions:
Enter the EDIT command to edit generated JCL before job submission.
Enter the SUBmit command to run the autodiscovery job.
```



Autodiscovery batch

```
VIEW          IMPOTxx.IMSCM.JCL(DISCOVERY) - 01.00          Columns 00001 00072
Command ==> _____ Scroll ==> PAGE
***** ***** Top of Data *****
000001 //DSCVRYxx JOB , 'CSL Server', CLASS=X, MSGCLASS=X, MSGLEVEL=(1,1),
000002 //          NOTIFY=&SYSUID
000003 /*JOBPARM SYSAFF=FTSD
000004 /*
000005 /*  IMS Configuration Manager - System Auto-discovery
000006 /*
000007 //GPLUTIL EXEC PGM=GPLUTIL
000008 //STEPLIB DD DISP=SHR, DSN=<GPL.SGPLLINK>
000009 //          DD DISP=SHR, DSN=<IMS.SDFSRESL>
000010 //SYSIN DD *
000011 *
000012 DISCOVER MBRTYPE(ALL) +
000013          TO(REPOSITORY, GPLREPOS)
000014 /*
000015 //GPLREPOS DD DISP=SHR,
000016 //          DSN=<MY.GPLDEFS>
000017 //SYSPRINT DD SYSOUT=*
***** ***** Bottom of Data *****
```



Discovery processing log

```

GPL7324I Autodiscovery for repository TESTREPO starting...
:
GPL7001I Discovered IMSplex PLXZZ
:
GPL7001I Processing IMSplex PLXZZ
GPL7002I Discovered ODBM JOB PLXZZOD1, XCF member DDQ10D in IMSplex
PLXZZ on ABC1
GPL7008I PARM = BPECFG=BPECFG,BPEINIT=CSLDINI0,ODBMINIT=DQ1,ARMRST=Y
GPL7009I STEPLIB = IDIQ.VD10.SDFSRESL
GPL7009I = IMS.V13.SDFSRESL
GPL7009I PROCLIB = IDIQ.VD10.PROCLIB
GPL7046I ODBM JOB PLXZZOD1 selected for further processing
:
GPL7001I Processing IMSplex PLYYY
GPL7036I CSLSCREG command error. RC=01000010 RSN=00004000
GPL7037I IMSplex Register failed: the SCI is not active
GPL7001I Skipping IMSplex PLYYY
:
GPL7058I Searching for CQS connections to IMS systems
GPL7017I Reading IMS Proclib member DFSSQPS3 for IMS job IAAACTL
GPL7062I IMS system IAAA is searching for a CQS using CQSSN=CDU3
GPL7057I To discover the CQSSN CDU3 connected to IMS IAAA,
autodiscovery must be run on ABC3
:
GPL7011I Searching for IMSCON jobs in XCF group XCFGGPL1 which is
associated with IMS system IBBB...
GPL7012I Discovered IMSCON, job ICMI04, XCF member ICMI4DS1 in XCF
group XCFGGPL1
GPL7008I PARM = BPECFG=BPECFG1N,HWSCFG=HWSCFG04
GPL7009I STEPLIB = CEX000.SAMPLE.DUMMY.SCEXLINK
GPL7009I = IMS.V13.SDFSRESL.EXIT
GPL7009I = IMS.V13.SDFSRESL.GPL7009I PROCLIB =
GPL000.SAMPLE.HWS.PROCLIB
GPL7017I Reading IMS Proclib member HWSCFG04 for IMSCON job ICMI04
GPL7035I IMSCON job ICMI04, XCF member ICMI4DS1 is not connected to
any IMS system discovered - Skipping..
:

```

```

:
GPL7024I Checking for discovered IMS components in the ICM repository...
GPL7023I RM object S3XDPRM, job PLXMMRM, XCF member S3XDPRM - Object is not in the repository
GPL7023I IMS object IBBB, job IBBBCTL, XCF member IBBB - Object is not in the repository
:
GPL7013I Beginning DISCOVER update phase...
GPL7014I RM object S3XDPRM, job PLXMMRM, XCF member S3XDPRM - Object will be added
GPL7007I Added RM object S3XDPRM GPL7014I IMS object IBBB, job IBBBCTL, XCF member IBBB -
Object will be updated
GPL7007I Updated RM object IBBB
:

```

GPL7015I	MBRTYPE	Discovered	Added	Updated	No change	Skipped	Error
GPL7019I	-----	-----	-----	-----	-----	-----	-----
GPL7020I	PLEX	13	1	0	2	0	10
GPL7020I	IMS	4	0	4	0	0	0
GPL7020I	IMSCON	12	1	10	0	1	0
GPL7020I	ODBM	3	3	0	0	0	0
GPL7020I	REPO	3	3	0	0	0	0
GPL7020I	OM	5	5	0	0	0	0
GPL7020I	RM	4	4	0	0	0	0
GPL7020I	SCI	5	5	0	0	0	0
GPL7020I	TOTALS	51	22	18	2	1	10

```

GPL7025I Autodiscovery successful for repository TESTREPO
GPL7317I SCI is not active for IMSplex PLODH GPL7317I SCI is not active for IMSplex PLODJ
GPL7317I SCI is not active for IMSplex PLIDH GPL7317I SCI is not active for IMSplex PLIDJ
GPL7317I SCI is not active for IMSplex PLXXH GPL7317I SCI is not active for IMSplex PLXXJ
GPL7317I SCI is not active for IMSplex PLXXQ GPL7308I IMS Configuration Manager product
initialized

```

Final result



Two interfaces – two purposes

IMS Configuration Manager 2.3 - Primary Option Menu

Option ==>

- 0 Profile Customize your IMS Configuration Manager profile
- 1 IMSplexes Maintain IMS parameters across an IMSplex
- 2 Systems Maintain IMS parameters for a system
- 3 PROCLIBs Maintain IMS PROCLIB data sets
- 4 Discovery Run the autodiscovery utility

X Exit Exit IMS Configuration Manager

Environment:
Definitions Repository 'GPL'

Source	IMSplex	SystemName	MemberName	▲ ParmSource	ALOT	AOIS	AOI1	APPLD1	APPC	APPCSE	ARC	ARMRST	ASOT	AUTO	BSIZ	CMDMCS
1	PLBDP	IBDR	DFSPBPLP	INEFFECT							01			N	02048	
1	PLCDH	ICDH	DFSPBHWS	INEFFECT	60		N	ICDHEVT1			01	N	60	N	02048	
1	PLCDP	ICDR	DFSPBPLP	INEFFECT	1440	N	N	CCDR			1		1440			Y
1	PLDDH	IDDH	DFSPBHWS	INEFFECT	60		N				01	N	60	N	02048	
1	PLDDQ	ICDQ	DFSPBDQ1	INEFFECT	60		N	ICDQEVT1			01	N	60	N	02048	
1	PLDDQ	IDDQ	DFSPBDQ1	INEFFECT	60		N				01	N	60	N	02048	
1	PLXDH	IBDH	DFSPBHWS	INEFFECT	60		N	IBDHEVT1			01	N	60	N	02048	
1	PLXDP	IBDP	DFSPBPLP	INEFFECT	60	S	N	IBDPEVT1			01	Y	60	N	02048	
1	PLXDP	ICDP	DFSPBPLP	INEFFECT	60	S	N	ICDPEVT1	N	F	1		60	N	2048	
1	PLXDP	IDDP	DFSPBPLP	INEFFECT	60	S	N				01	N	60	N	02048	
1	PLXNU	IADP	DFSPBPLP	INEFFECT	60	S	N	IADPEVT1			01		60	N	02048	
1	IPABX	ABS0	DFSPB00M	INEFFECT		R	R	IMABIMS0	Y		01			N		R
1	IPABX	ABS1	DFSPB01M	INEFFECT		R	R	IMABIMS1	Y		01			N		R
1	IPABX	ABS2	DFSPB02M	INEFFECT		R	R	IMABIMS2	Y		01			N		R
1	IPABX	ABS3	DFSPB03M	INEFFECT		R	R	IMABIMS3	Y		01			N		R

Parameters DFSPB

1 of 25

A smarter way to manage and configure your
IMS Systems with IMS Configuration Manager



IBM
IMS Tools

Editing parameters

with the IMS Configuration Manager ISPF dialog

```
EDIT Command ==> PLXDP.PROCLIB(CSLDIPS3)
CHECK Validate the member syntax
MODEL Insert a new parameter with syntax assistance
HELP Press F1 to request parameter sensitive help
*****
***** This PROCLIB member is specified by the ODBMINIT=PS3
***** value on the ODBM start up procedure.
*****
000001 ** Parameters specified here are u
000002 **
000003 ** ODBM configuration parameters a
000004 **
000005 ** ODBMDCPS3 PROCLIB member which c
000006 **
000007 ** ODBMCFG=PS3 EXEC parameter.
000008 **
000009 ** ODBMCFG=PS3 EXEC parameter.
000010 **
000011 ** ODBMNAME=S3XDP
000012 ** ODBMNAME=PS3
000013 ** ODBMNAME=PS3
000014 ** ODBMNAME=PS3
000015 ** RRS=Y
00001A *****
*****
```

```
EDIT Command ==> NEW.PROC13(HWSC
CHECK Validate the member syntax
MODEL Insert a new parameter with sy
HELP Press F1 to request parameter sens
*****
***** Top of Data ***** Top of
***** by the ODBMINIT=PS3
*****
000001 HWS(ID=X)
000002 TCPIP(HOSTNAME=TCPD,
000003 SSLPORT=101,
000004 PORT=(ID=101),PORT=(ID=102),
*****
***** Inconsistent parameters: Port already defined line
***** 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,
***** 21, 22, 23, 24, 25, 26, 27, 28, 29, 30,
***** 31, 32, 33, 34, 35, 36, 37, 38, 39, 40,
***** 41, 42, 43, 44, 45, 46, 47, 48, 49, 50,
*****
***** Inconsistent parameters: Port already defined line
***** 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,
***** 21, 22, 23, 24, 25, 26, 27, 28, 29, 30,
***** 31, 32, 33, 34, 35, 36, 37, 38, 39, 40,
***** 41, 42, 43, 44, 45, 46, 47, 48, 49, 50,
*****
***** Number of elements exceeds maximum allowed: Total ports (>50)
***** Number of elements exceeds maximum allowed: Total ports (>50)
***** Number of elements exceeds maximum allowed: Total ports (>50)
***** Bottom of Data *****
***** Member has 7 issues. Position cursor and press F1 to help fix the problem. |
```



Editing IMS parameters in ISPF

Finding parameters:

- Issue line action P against an IMSplex (POM 1)
 - View all active parameter members for the IMSplex
- Issue line action P against a system (POM 2)
 - View active parameter members for the system
- Browse by PROCLIB data set (POM 3)
 - Create a list of PROCLIB data sets

View/editing parameters

- Check the syntax of a member (CHECK)
- Insert a model/template for a new parameter (MODEL)
- Describe the function of a parameter ((HELP)

View history of changes

- Who changed what?
- Revert when things go wrong



Viewing active parameters by IMSplex

```

IMS Configuration Manager 2.3 - Primary Option Menu
Option ==> _____
0 Profile   Customize your IMS Configuration Manager profile
1 IMSplexes Maintain IMS parameters across an IMSplex
2 Systems  Maintain IMS parameters for a system
3 PROCLIBs Maintain IMS PROCLIB
4 Discovery Run the autodiscovery
X Exit     Exit IMS Configuration Manager

Environment:
Definitions Repository 'GPL999.'
    
```

```

Command ==> _____ IMSplex Row 1 to 11 of 11
Scroll ==> PAGE
Enter NEW to create a new IMSplex

/      IMSplex  Description              Changed              ID
*      *          *                      =*                  *
-----
PLBDP  2014-01-08 13.52.00 DISCOVER
PLCDH  2014-01-09 11.23.13 DISCOVER
PLCDJ  2014-01-09 11.23.13 DISCOVER
PLCDP  2014-01-08 13.52.00 DISCOVER
PLDDH  2014-01-09 11.23.13 DISCOVER
PLDDJ  2014-01-09 11.23.13 DISCOVER
PLDDQ  2014-01-08 13.52.00 DISCOVER
PLXDH  2014-01-09 11.23.13 DISCOVER
PLXDJ  2014-01-08 13.52.00 DISCOVER
P PLXDP  IMSplex PLXDP  2014-01-08 13.52.00 DISCOVER
PLXNU  2014-01-08 13.52.00 DISCOVER
***** Bottom of data *****
    
```





I'm looking for parameters relating to ODBM...

Enter your search term (e.g. "ODBM")

```

Command ===> _____ Row 1 of 55
Scroll ===> PAGE

IMSpIex . . . : PLXDP
Description . . : IMSpIex PLXDP

Search . . _____

/ System      Prompt      Description
- IMS
- - IDDP
- - DBFMSDBC
- - DFSCG
- - DFSDC000
- - DFSDFPS3
- - DFSDRFDC
- - DFSDSCM0
- - DFSDSCT0
- - DFSFDR
- - DFSFIXDC
- - DFSHSB00
- - DFSMP LDC
- - DFSORS
- - DFSBP L P
- - DFSRSR00
- - DFSSPM
- - DFSSQP S3
- - DFSVSMDC
- - DFSYDT0
- - DFS62DT0
- - IDDPssid
- - DSPBIPS3
- - CQSIPPS3
- - CQSSGPS3
- - CQSSLPS3
- - BPECFPLP
- IMSCON
- - ICMIC02
- - HWSCFG02
- BPECFG11
- HWSEXIT1
- OM
- - S1XD POM
- - CSL0IPS1
- - BPECFPLP
- - S3XD POM
- - CSL0IPS3
- - BPECFPLP
- RM
- - S1XDPRM
- - CSLRIPS1
- - BPECFPLP
- - S3XDPRM
- - CSLRIPS3
- - BPECFPLP
- SCI
- - S1XD PSC
- - CSLSIPS1
- - BPECFPLP
- - S3XD PSC
- - CSLSIPS3
- - BPECFPLP
- REPO
- - S1XDPRP

```

```

Command ===> _____ Row 4 of 55
Scroll ===> CSR

IMSpIex . . . : PLXDP
Description . . :

Search . . ODBM

/ System      Prompt      Description
- - ICMIC02
- - HWSCFG02
- - DRDAPORT=... Port used for Open Database APIs and DRDA
- - ODACCESS=... Communication between ODBM, DRDA clients
- - ODBMAUTOCONN=... IMS Connect automatically to ODBM
- - ODBMTMOT=... Amount of time that IMS Connect waits
- / IMSPLEX (MEMBER=ICMI2XDP,TMEMBER=PLXDP)
-----
- - ODBM
- - S3XDPOD
- - CSLDIPS3
- - ARMRST=... Whether the S ARM restarts the ODBM
- - ** THE ODBMCFG=PS3 EXEC

```

Impact on IMS Connect

View/edit or display parameter help

What else can I search? Try...

- NEWINV15 (what is new in IMS V15)
- REPOSITORY
- DATABASE
- VTAM
- MSC
- CATALOG

Parameter Actions

Select by number or action code then press Enter.

- 1. Select the parameter... (S or E)
- 2. Show parameter help... (H)

What does that parameter do?



```
IMSPlex Active Members                                     Row 4 of 55
Command ==> _____ Scroll ==> CSR

IMSpIplex . . . : PLXDP
Description . . :

Search . . ODBM

 / System      Prompt      Description
-  - ODBM
-  - S3XDPOD
-  - CSLDIPS3
-  - H ARMRST=...  Whether the z/OS ARM restarts the ODBM
-  - ** THE ODBMCFG=PS3 EXEC parameter on this PROCLIB member
```

```
Help - ARMRST (CSLDIxxx)

ARMRST=
Specifies whether the z/OS Automatic Restart Manager (ARM) is to be used
to restart the ODBM address space after an abend. If you specify Y
(yes), ARM restarts the ODBM address space after most system failures.
If you specify N (no), ARM does not restart the ODBM address space after
any system failure.

ARM does not restart the ODBM address space if ODBM abends before
restart is complete. For more information on ARM, see Using z/OS
Automatic Restart Manager in IMS Version 11 System Administration.

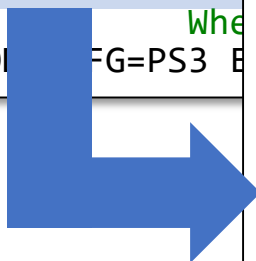
Note: The CSLDIxxx member was introduced in IMS Version 11.
```


Command ==> _____ Scroll ==> CSR

IMSpIex . . . : PLXDP
Description . . :

Search . . ODBM

/ System	Prompt	Description
- ODBM		
- S3XDPOD		
- <u>E CSLDIPS3</u>		
- ARMST=.		When
- ** THE ODBMCFG=PS3		EXEC



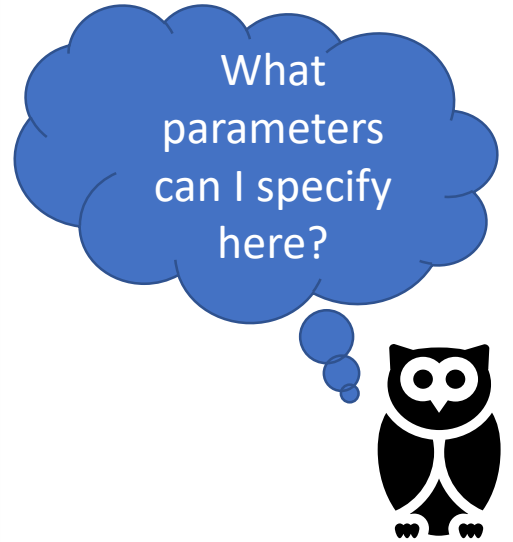
```

EDIT          PLXDP.PROCLIB(CSLDIPS3) - 01.04          Columns 00001 00072
Command ==> _____ Scroll ==> CSR
CHECK Validate the member syntax
MODEL Insert a new parameter with syntax assistance
HELP Press F1 to request parameter sensitive help
*****
000001 *****
000002 ** This PROCLIB member is specified by the ODBMINIT=PS3 *
000003 ** value on the ODBM start up procedure. *
000004 ** *
000005 ** Parameters specified here are used for ODBM initialization. *
000006 ** *
000007 ** ODBM configuration parameters are specified in the *
000008 ** CSLDCPS3 PROCLIB member which can be specified by either *
000009 ** THE ODBMCFG=PS3 EXEC parameter or in this PROCLIB member *
000010 ** ON THE ODBMCFG=PS3 parameter. *
000011 ** **
000012 *****
000013 ODBMNAME=S3XDP
000014 IMSPLEX(NAME=PLXDP)
000015 ODBMCFG=PS3
000016 RRS=Y
*****
Bottom of Data *****
    
```

Adding new parameters using a model (MODEL)

```

EDIT          PLXDP.PROCLIB(CSLDIPS3) - 01.04          Columns 00001 00072
Command ==> MODEL          Scroll ==> CSR
CHECK  Validate the member syntax
MODEL  Insert a new parameter with syntax assistance
HELP   Press F1 to request parameter sensitive help
*****  ***** Top of Data *****
000001 *****
000002 ** This PROCLIB member is specified by the ODBMINI S3 *
000003 ** value on the ODBM start up procedure. *
000004 ** *
000005 ** Parameters specified here are used for ODBM initialization. *
000006 ** *
000007 ** ODBM configuration parameters are specified in *
000008 ** CSLDCPS3 PROCLIB member which can be specified either *
000009 ** THE ODBMCFG=PS3 EXEC pa *
000010 ** ON THE ODBMCFG=PS3 para *
000011 ** *
000012 *****
000013 ODBMNAME=S3XDP
000014 IMSPLEX(NAME=PLXDP)
000015 ODBMCFG=PS3
00001A RRS=Y
*****  ***** Bottom of data *****
  
```



```

Select a parameter _____ Row 1 to 6 of 6
Command ==> _____
Select one or more parameters then press EXIT.

Parameter      Description
.  ARMIRST      Whether the z/OS ARM restarts the ODBM
.  IMSPLEX      Specifies definitions for the IMSplex
.  * LOGOPT      Specifies the level of logging
.  ODBMCFG      Specifies ODBM configuration member suffix
S  ODBMNAME      The name of the ODBM address space
.  RRS          ODBM to use Resource Recovery Services (RRS)?
*****  ***** Bottom of data *****
  
```

Adding new parameters using a model (MODEL)

```
EDIT          PLXDP.PROCLIB(CSLDIPS3) - 01.05          Columns 00001 00072
Command ==> _____ Scroll ==> PAGE
CHECK  Validate the member syntax
MODEL  Insert a new parameter with syntax assistance
HELP   Press F1 to request parameter sensitive help
***** ***** Top of Data *****
000001 *****
000002 **   This PROCLIB member is specified by the ODBMINIT=PS3           *
000003 **   value on the ODBM start up procedure.                          *
000004 **                                                                 *
000005 **   Parameters specified here are used for ODBM initialization.    *
000006 **                                                                 *
000007 **   ODBM configuration parameters are specified in the           *
000008 **   CSLDCPS3 PROCLIB member which can be specified by either      *
000009 **   THE ODBMCFG=PS3 EXEC parameter or in this PROCLIB member      *
000010 **   ON THE ODBMCFG=PS3 parameter.                                    *
000011 **                                                                 **
000012 *****
000013 ODBMNAME=S3XDP
000014 IMSPLEX(NAME=PLXDP)
000015 ODBMCFG=PS3
000016 RRS=Y
000017 ODBMNAME=_____
=NOTE= ODBMNAME - The name of the ODBM address space
***** ***** Bottom of Data *****
```

Ready to fill in...

A smarter way to manage and configure your
IMS Systems with IMS Configuration Manager



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Syntax checker (CHECK)

Run CHECK

```
EDIT          PLXDP.PROCLIB(CSLDIPS3) - 01.05          Columns 00001 00072
Command ==> CHECK          Scroll ==> PAGE
Member has 2 issues. Position cursor and press F1 to help fix the problem.
MODEL Insert a new parameter with syntax assistance
HELP Press F1 to request parameter sensitive help
***** ***** Top of Data *****
000001 *****
000002 ** This PROCLIB member is specified by the ODBMINIT=PS3          *
000003 ** value on the ODBM start up procedure.                          *
000004 **                                                                    *
000005 ** Parameters specified here are used for ODBM initialization.    *
000006 **                                                                    *
000007 ** ODBM configuration parameters are specified in the            *
000008 ** CSLDCPS3 PROCLIB member which can be specified by either        *
000009 ** THE ODBMCFG=PS3 EXEC parameter or in this PROCLIB member        *
000010 ** ON THE ODBMCFG=PS3 parameter.                                    *
000011 **                                                                    **
000012 *****
000013 ODBMNAME=S3XDP
000014 IMSPLEX(NAME=PLXDP)
000015 ODBMCFG=PS3
000016 RRS=Y
000017 ODBMNAME=THISNAMEISTOOLONG
=====+.....+.....
==MSG> Duplicate parameter: ODBMNAME
==MSG> Value too long: THISNAMEISTOOLONG
***** ***** Bottom of Data *****
```

Two errors:

1. ODBMNAME is already defined!
2. The name we have selected is too long.

Syntax checker marks the positions of the errors



More complex example with MODEL

```
EDIT          GPL000.QAAUTO.HWS.PROCLIB(HWSCFG02) - 01.08          Columns 00001 00072
Command ==> _____          Scroll ==> CSR
CHECK  Validate the member syntax
MODEL  Insert a new parameter with syntax assistance
HELP   Press F1 to request parameter sensitive help
000032 ODACCESS(
000033   DRDAPORT=(ID=_____,KEEPAV=0,PORTTMOT=18000),
000034   IMSPLEX=(MEMBER=_____,TMEMBER=_____),
000035   ODBMAUTOCONN=_,
000036   ODBMTMOT=18000)
=NOTE= DRDAPORT - Port used for Open Database APIs and DRDA
=NOTE= ID       - The port number
=NOTE=          1-65535
=NOTE= KEEPAV  - The interval for keep alive mechanism
=NOTE=          0-2147460 Default 0
=NOTE= PORTTMOT- Time that IMS Connect waits
=NOTE= IMSPLEX - IMSplex
=NOTE= MEMBER  - XCF member name that identifies IMS Connect
=NOTE= TMEMBER - Target XCF member name
=NOTE= ODBMAUTOCONN - IMS Connect automatically to ODBM
=NOTE= ODBMTMOT - Amount of time that IMS Connect waits
```

Parameter(s)

The meaning of each
sub-parameter



Debugging a complex parameter member using CHECK...

Cross-parameter validation...



```
EDIT          NEW.PROC13(HWSCFG03) - 01.02          Columns 00001 00072
Command ==> _____ Scroll ==> CSR
CHECK Validate the member syntax
MODEL Insert a new parameter with syntax assistance
HELP Press F1 to request parameter sensitive help
***** ***** Top of Data *****
000001 HWS(ID=X)
000002 TCPIP(HOSTNAME=TCPD,
000003 SSLPORT=101,
000004 PORT=(ID=101),PORT=(ID=102),
=====+.....
==MSG> Inconsistent parameters: Port already defined line 3 col 9
000005 PORTID=(101,2,3,4,5,6,7,8,9,10,
=====+.....
==MSG> Inconsistent parameters: Port already defined line 3 col 9
000006 11,12,13,14,15,16,17,18,19,20,
000007 21,22,23,24,25,26,27,28,29,30,
000008 31,32,33,34,35,36,37,38,39,40,
000009 41,42,43,44,45,46,47,48,49,50,
=====+...+...
==MSG> Number of elements exceeds maximum allowed: Total ports (>50)
==MSG> Number of elements exceeds maximum allowed: Total ports (>50)
==MSG> Number of elements exceeds maximum allowed: Total ports (>50)
000010 51,52),
=====+...+...
==MSG> Number of elements exceeds maximum allowed: Total ports (>50)
==MSG> Number of elements exceeds maximum allowed: Total ports (>50)
***** ***** Bottom of Data *****
```

| Member has 7 issues. Position cursor and press F1 to help fix the problem. |



Getting help whilst viewing a member (HELP)

```
Help - ODACCESS (HWSCFGxx) More: +
ODACCESS(...)
Defines characteristics of the communication between ODBM, DB
such as the Open Database APIs, and IMS Connect

Defines parameters required to register with the CSL Open Data
Manager (ODBM). IMS Connect must register with ODBM to enable
IMS DB for
only one O

DRDAPORT
Port use

IMSPLEX
The IMSp

ODBMAUTOCO
Whether
```

```
Help - RRS (CSLDIxxx)
RRS=
An optional keyword that specifies both whether
Recovery Services (RRS) and whether ODBM uses
(ODBA) interface or the database resource adapter
communications with IMS DB. The default value

If you specify Y, ODBM uses RRS and the ODBA
register with RRS during initialization, ODBM
and suspends initialization until the operator

If you specify N, ODBM does not use RRS and u
communications with IMS DB. When RRS=N is spe
with IMS DB in a similar manner as a CCTL.

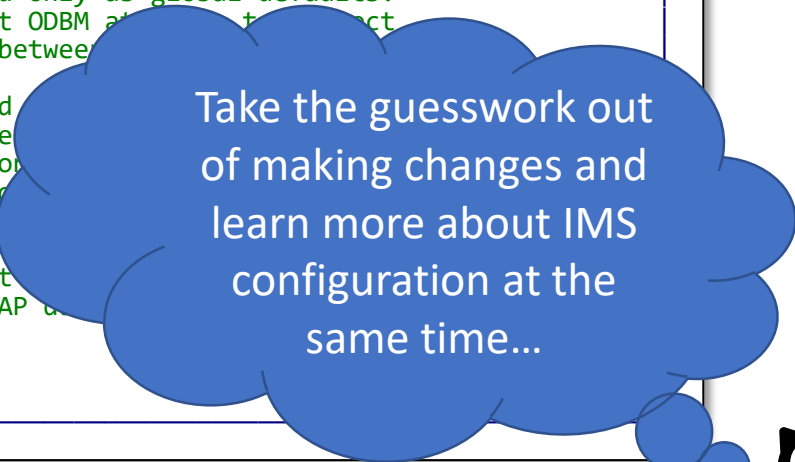
For more information, see ODBM and RRS in I
Administration.

Note: The CSLDIxxx member was introduced in IMS Version 11.
```

```
Help - <SECTION=GLOBAL_DATASTORE_CONFIGURATION> (CSLDCxxx)
<SECTION=GLOBAL_DATASTORE_CONFIGURATION>
Required header for the global section of the CSLDCxxx PROCLIB member.
The global parameters define the default values on all data store
connections defined in the CSLDCxxx member.

Some parameters can be specified only as global defaults:
IDRETRY Number of times that ODBM attempts to connect
TIMER Seconds ODBM waits between

Some parameters can be specified
local section as an instance-spe
MAXTHRDS Maximum number of co
MINTHRDS Minimum number of co
FPBUF Number of Fast Path
FPBOF Number of Fast Path
CNBA Total number of Fast
SODA Output class for SNAP
```



Viewing active parameters by IMS



Viewing active parameters for an IMS system (line action P)

```
IMS Configuration Manager 2.3 - Primary Option Menu
Option ==> _____
0 Profile    Customize your IMS Configuration Manager profile
1 IMSplexes  Maintain IMS parameters across an IMSplex
2 Systems    Maintain IMS parameters for a system
3 PROCLIBs   Maintain IMS PROCLIB data sets
4 Discovery  Run the autodiscovery utility
X Exit      Exit IMS Configuration Manager

Environment:
Definitions Repository 'GPL999.REPOSTRY.VGPL3504' +
```



```
System Member List                               Row 23 of 67 More: <>
Command ==> _____ Scroll ==> PAGE

Enter NEW to create a new Member

/  Name      Type      IMSplex  VV.R  Description
/  *         *         *        *     *
___ ICMIC00    IMSCON   +2       12.1
___ ICMIC01    IMSCON           12.1
___ ICMIC02    IMSCON   PLXDP    13.1
___ ICONCDQ2  IMSCON   PLDDQ    12.1
___ ICONDDQ1  IMSCON           13.1
___ IDDH      IMS       PLDDH    13.1
___ IDDJ      IMS       PLDDJ    13.1
P  IDDP      IMS       PLXDP    13.1
___ IDDQ      IMS       PLDDQ    13.1
```

A smarter way to manage and configure your IMS Systems with IMS Configuration Manager



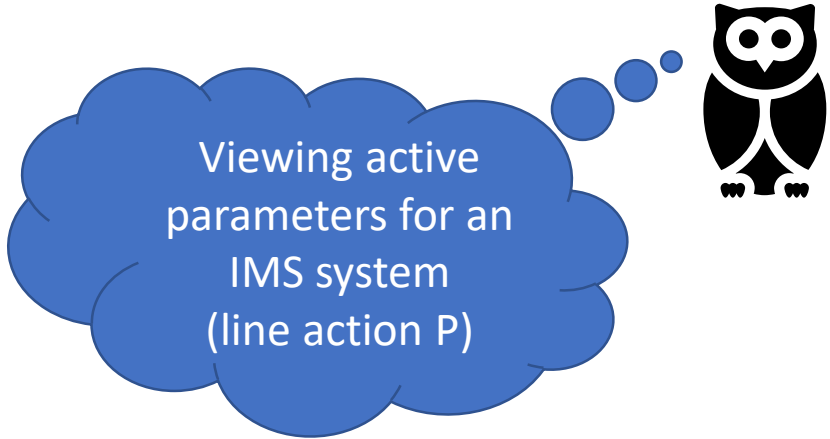
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EDIT IMS Active Members Row 1 of 25
Command ==> Scroll ==> PAGE

IMS System ID . . . : IDDP Version (VV.R) . : 13.1
Description . . . : Test system
IMSplex : PLXDP

Search . . .

Member	Prompt	Lib	Size	Created	----- Changed -----	ID
/ BPECFPLP		1	42	2011/08/15	2014/03/03 07:29:09	NXU
- CQSIPPS3		1	12	2011/12/01	2014/04/08 10:41:53	NXU
- CQSSGPS3		1	30	2011/12/01	2014/06/30 10:28:37	NXU
- CQSSLPS3		1	20	2011/12/01	2014/06/30 10:29:01	NXU
- DBFMSDBC		1				
- DFSCG						
- DFSDC000		2	2	2013/07/03		
- DFSDFPS3		1	32	2014/08/25		
- DFSDRFDC		2				
- DFSDSCM0		2	112	2014/01/20		
- DFSDSCT0		2				
- DFSFDR						
/ DFSFIXDC		1				
- DFSHSB00						
- DFSMPLDC		2				
- DFSORS						
- DFSPBPLP		2	90	2013/03/29		
- DFSRSR00		1				
- DFSSPM						
- DFSSQPS3		2	5	2011/12/02		
- DFSVSMDC		2				
- DFSYDT0						
- DFS62DT0						
- DSPBIPS3		1	1	2014/01/21	2014/01/21 06:36:30	NXU2
- IDDPssid						
End						



Member List Actions

Select by number or action code then press Enter.

- 1. Edit member... (E)
- 2. View member... (V)
- 3. Delete member (D)
- 4. History of member... (H)

Line action S is the default edit or view action.

Parameter change history

If something goes wrong, you can revert to the previous version...



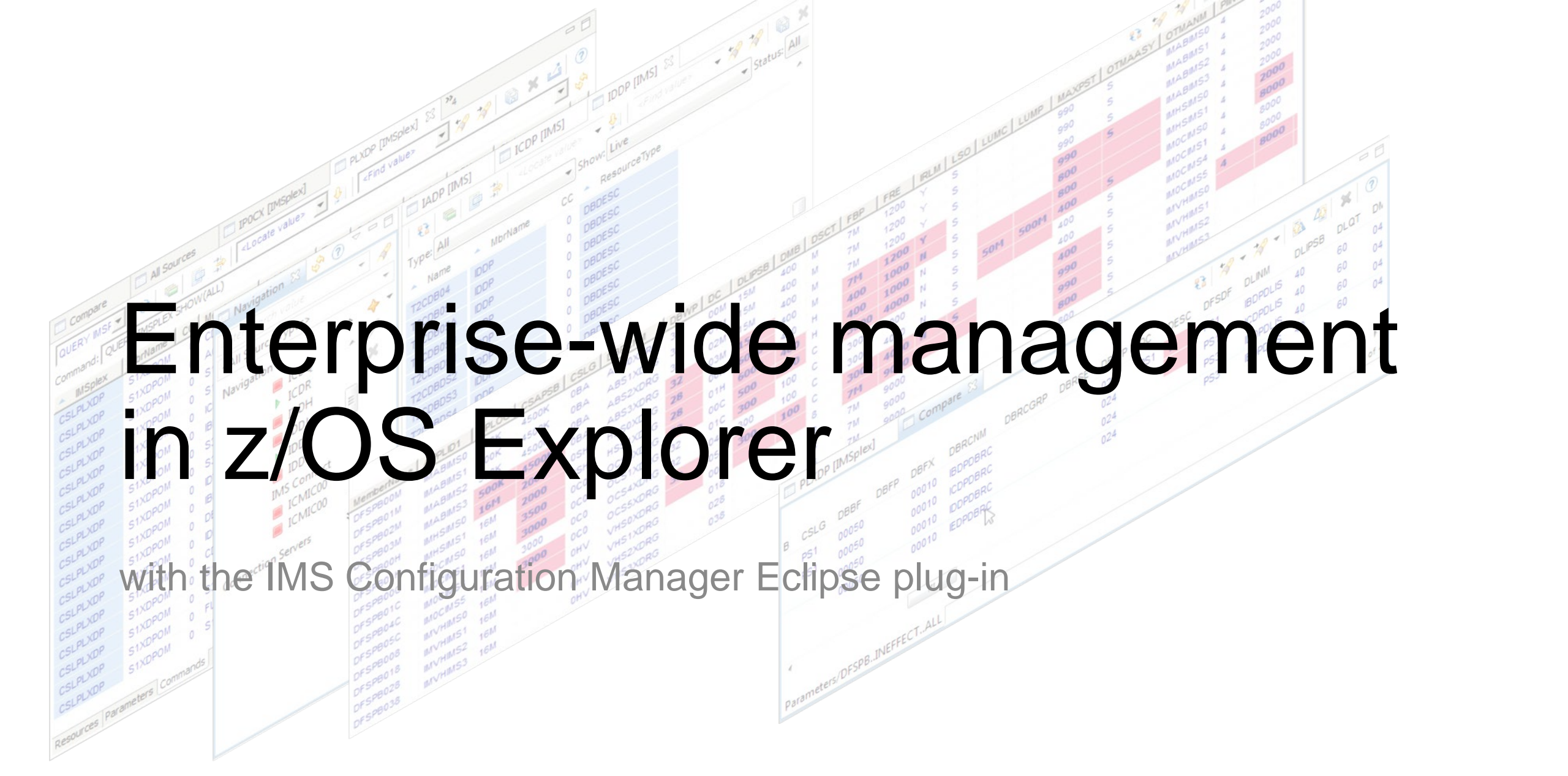
```
Member History to 7 of 7
Command ==> _____ SCROLL ==> PAGE

PROCLIB . . : MY.PROC15

/      Member   Prompt   Level   Size   -----   Created   -----   ID
-----
DFSPBV15   Active   12   2017/03/27 10:29:15 ME
DFSPBV15   00006   3   2017/02/13 17:08:38 YOU
DFSPBV15   00005   2   2016/11/29 16:41:45 ME
DFSPBV15   00004   3   2016/11/29 16:10:16 YOU
DFSPBV15   00003   2   2016/11/22 16:08:22 YOU
DFSPBV15   00002   2   2016/11/22 16:07:42 ME
DFSPBV15   00001   1   2016/11/02 15:53:37 ME
***** Bottom of data *****
```

Changes must occur inside IMS Configuration Manager



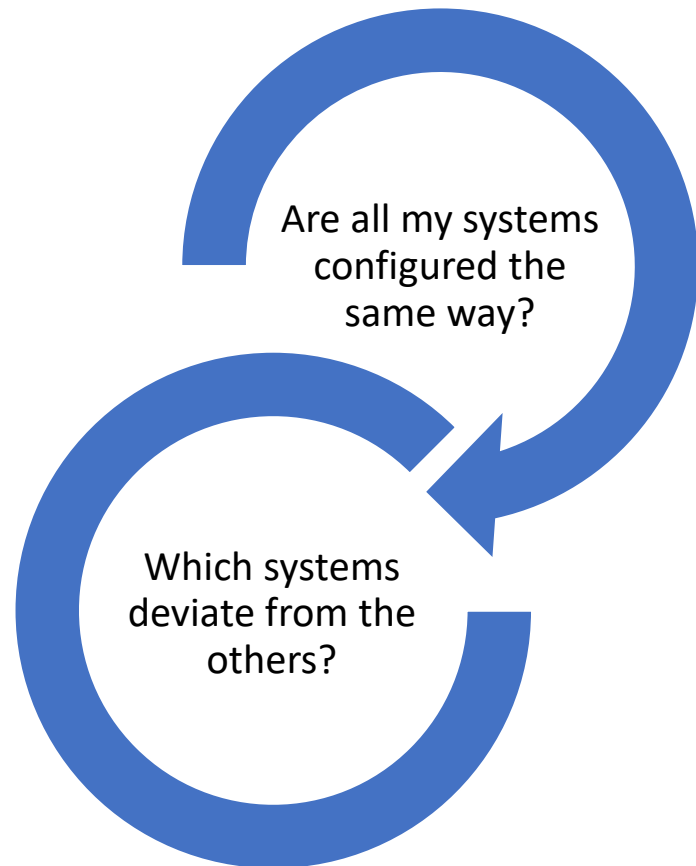


Enterprise-wide management in z/OS Explorer

with the IMS Configuration Manager Eclipse plug-in



Extending out beyond a single IMS system



Use IMS Configuration Manager and z/OS Explorer to perform the following tasks:

- Centralize and **consolidate** your IMS configurations
- View IMS **systems, resources, and parameters**
- **Compare** parameters across multiple systems
- Submit **IMS type-2 commands** and view the output
- Use **filters** to highlight transactions with special attributes
- List all **active parameter members** across your enterprise and drill down to parameter values
- **Export** data for external analysis



A unified view via the IBM Common Services Library

The **IMS Configuration Manager Eclipse plug-in for z/OS Explorer** displays a unified view for all IBM Common Services Library servers.

z/OS Explorer

The **IBM Common Services Library server** supplies topology information to z/OS Explorer

A4

H4

O4

IMS Configuration Manager automatically discovers and stores vital information about your IMS topology in a **definitions repository**

IPABX

IPHSX

IPOCX

IPVHX

A smarter way to manage and configure your
IMS Systems with IMS Configuration Manager



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IMS Tools

Listing active PROCLIB data set members across your enterprise

Summarize
Compare values
Filter
Export
Help!

Navigation

Enter search value

<All Source Types>

Navigation

- All Sources
 - IMS
 - IMS Connect
 - ICMIC00
 - ICMIC00
 - ICMIC01
 - ICMIC02
 - ICONCDQ2
 - ICONDDQ1
 - MMPI00
 - RXRS05
 - IMSplex
 - PLBDP
 - PLCDH
 - PLCDJ
 - PLCDP
 - PLDDH
 - PLDDJ
 - PLDDQ
 - PLXDH

All Sources

MBRLIST..ALL

Type: MBRLIST

Show: ALL

Find

Sort

IMSplex	SystemName	Syst...	MemberName	DataSetName	LibraryNumber	Size	CreateDate	ChangeTimestamp	ChangeUserID	MemberType	Message
PLXDH	OMH10M	OM	BPECFG11	IBDH.VB10.PROCLIB	1	45	2010-09-21	10-09-21-09.30.09	AXW1	BPECFG	
PLXDH	RMH1RM	RM	BPECFG11	IBDH.VB10.PROCLIB	1	45	2010-09-21	10-09-21-09.30.09	AXW1	BPECFG	
PLXDH	SCH1SC	SCI	BPECFG11	IBDH.VB10.PROCLIB	1	45	2010-09-21	10-09-21-09.30.09	AXW1	BPECFG	
PLXDH	ODH10D	ODBM	CSLDC0H1	IBDH.VB10.PROCLIB	1	26	2010-09-21	10-09-21-09.35.47	AXW1	CSLDC	
PLXDH	ODH20D	ODBM	CSLDC0H1	IBDH.VB10.PROCLIB	1	26	2010-08-10	2010-09-21-09.35.47	AXW1	CSLDC	
PLXDH	OMH10M	OM	CSLOI0H1	IBDH.VB10.PROCLIB	1	12	2008-12-30	2010-09-21-09.36.52	AXW1	CSLOI	
PLXDH	RMH1RM	RM	CSLRI0H1	IBDH.VB10.PROCLIB	1	9	2008-12-30	2010-09-21-09.36.56	AXW1	CSLRI	
PLXDH	SCH1SC	SCI	CSLSI0H1	IBDH.VB10.PROCLIB	1	11	2008-12-30	2010-09-21-09.37.01	AXW1	CSLSI	
PLXDH	ODH10D	ODBM	CSLDI0H1	IBDH.VB10.PROCLIB	1	7	2008-12-30	2010-09-22-21.18.32	AXW	CSLDI	
PLXDH	ODH20D	ODBM	CSLDI0H2	IBDH.VB10.PROCLIB	1	7	2010-02-26	2010-09-22-21.18.36	AXW	CSLDI	
PLCDH	DCH10D	ODBM	BPECFG12	ICDH.VC10.PROCLIB	1	45	2010-11-09	2010-11-09-12.16.24	AXW1	BPECFG	
PLCDH	DCH20D	ODBM	BPECFG12	ICDH.VC10.PROCLIB	1	45	2010-11-09	2010-11-09-12.16.24	AXW1	BPECFG	
PLCDH	OCH10M	OM	BPECFG12	ICDH.VC10.PROCLIB	1	45	2010-11-09	2010-11-09-12.16.24	AXW1	BPECFG	
PLCDH	RCH1RM	RM	BPECFG12	ICDH.VC10.PROCLIB	1	45	2010-11-09	2010-11-09-12.16.24	AXW1	BPECFG	
PLCDH	SCDHSC	SCI	BPECFG12	ICDH.VC10.PROCLIB	1	45	2010-11-09	2010-11-09-12.16.24	AXW1	BPECFG	
PLCDJ	DCJ10D	ODBM	BPECFG12	ICDJ.VC10.PROCLIB	1	45	2010-11-09	2010-11-09-12.19.32	AXW1	BPECFG	
PLCDJ	DCJ20D	ODBM	BPECFG12	ICDJ.VC10.PROCLIB	1	45	2010-11-09	2010-11-09-12.19.32	AXW1	BPECFG	
PLCDJ	DCJ10M	OM	BPECFG12	ICDJ.VC10.PROCLIB	1	45	2010-11-09	2010-11-09-12.19.32	AXW1	BPECFG	

Parameters

09/09/2014 1:46:40 PM; 128 of 346

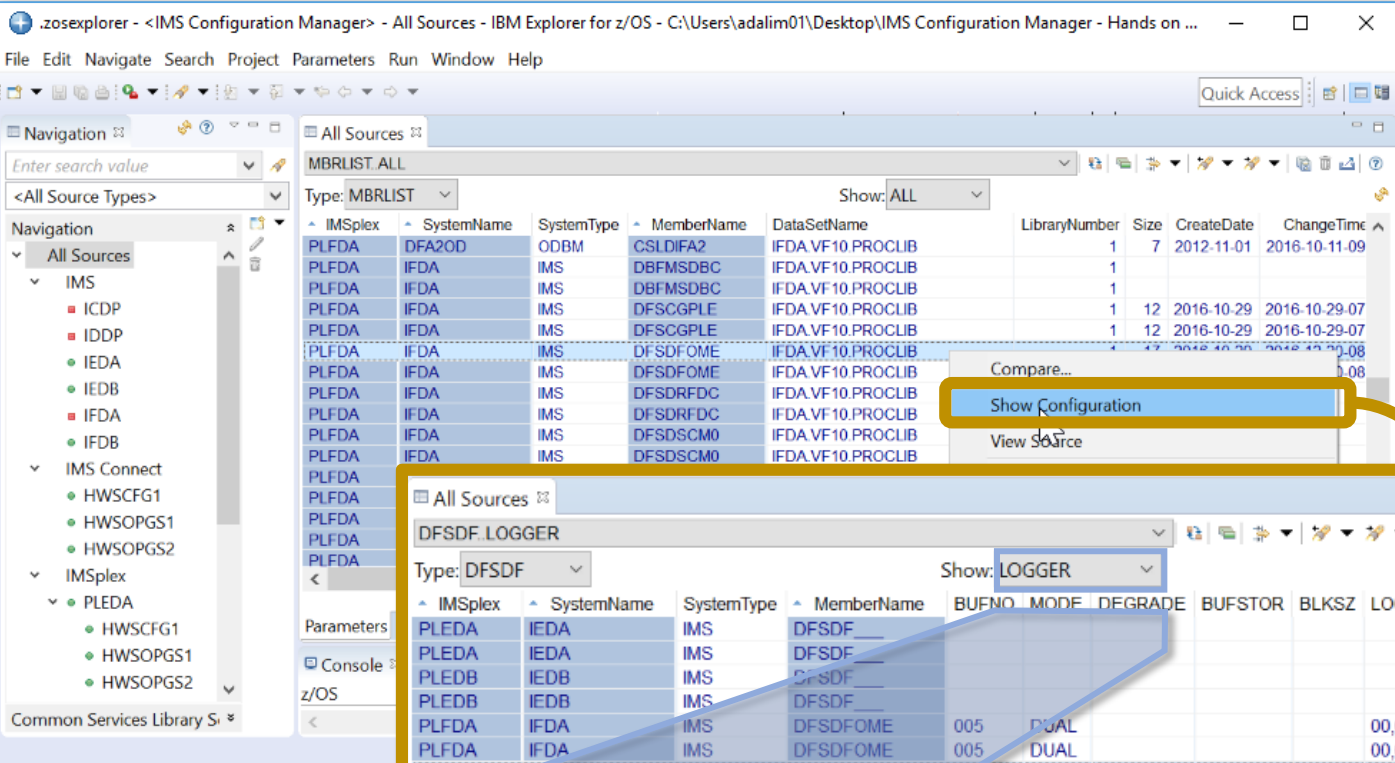
IMSplex, system, dataset and member

Consolidated list of systems organized by IMS, IMSplex, and IMS Connect

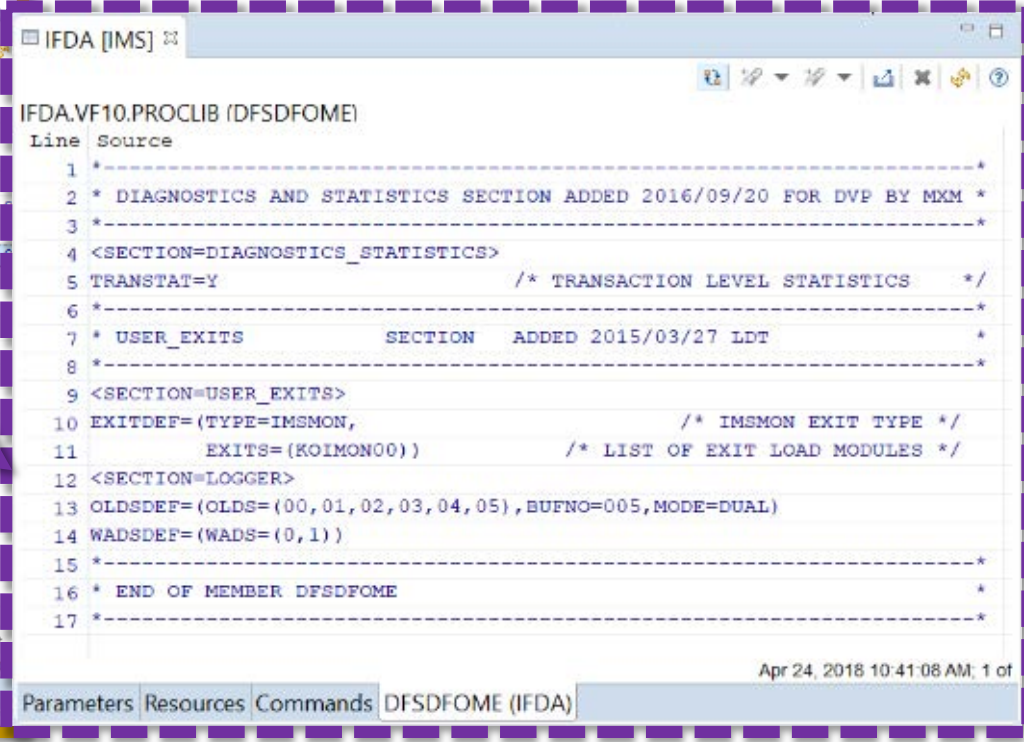
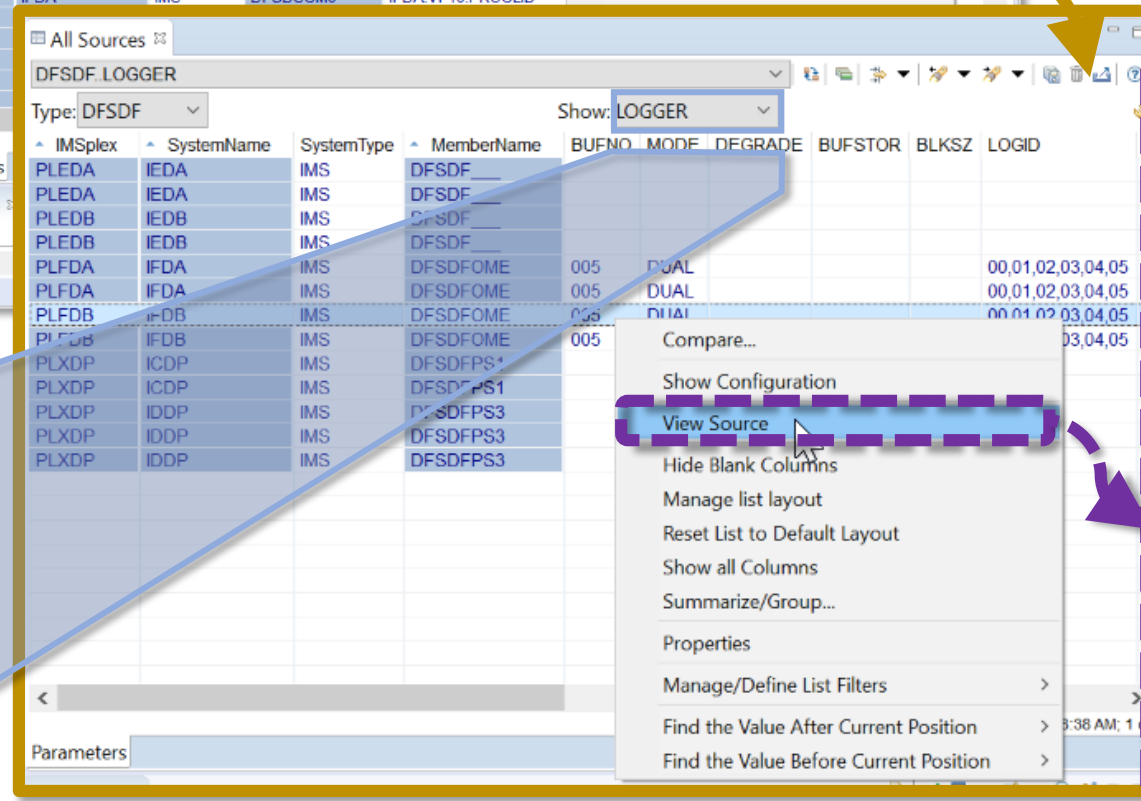
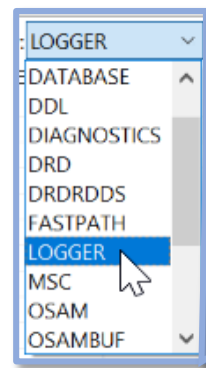
configure your
IMS Systems with IMS Configuration Manager



IBM
IMS Tools



- Drill down to PROCLIB data set member:
1. Select **All Sources** to see EVERYTHING
 2. Find the system, member, or member type you are interested in (DFSDHOME)
 3. **Show Configuration** will list all members with same type (DFSDF)
 4. Isolate further (LOGGER)
 5. Use **View Source** to see the raw contents of the member



Location of parameter

Parameter values (down)

Parameter names (across)

Source	IMSpIex	SystemName	MemberName	▲ ParmSource	ALOT	AOIS	AOI1	APPLID1	APPC	APPCSE	ARC	ARMRST	ASOT	AUTO	BSIZ	CMDMCS
1	PLBDP	IBDR	DFSPBPLP	INEFFECT							01			N	02048	
1	PLCDH	ICDH	DFSPBHWS	INEFFECT	60		N	ICDHEVT1			01	N	60	N	02048	
1	PLCDP	ICDR	DFSPBPLP	INEFFECT	1440	N	N	CCDR			1		1440			Y
1	PLDDH	IDDH	DFSPBHWS	INEFFECT	60		N				01	N	60	N	02048	
1	PLDDQ	ICDQ	DFSPBDQ1	INEFFECT	60		N	ICDQEVT1			01	N	60	N	02048	
1	PLDDQ	IDDQ	DFSPBDQ1	INEFFECT	60		N				01	N	60	N	02048	
1	PLXDH	IBDH	DFSPBHWS	INEFFECT	60		N	IBDHEVT1			01	N	60	N	02048	
1	PLXDP	IBDP	DFSPBPLP	INEFFECT	60	S	N	IBDPEVT1			01	Y	60	N	02048	
1	PLXDP	ICDP	DFSPBPLP	INEFFECT	60	S	N	ICDPEVT1	N	F	1		60	N	2048	
1	PLXDP	IDDP	DFSPBPLP	INEFFECT	60	S	N				01	N	60	N	02048	
1	PLXNU	IADP	DFSPBPLP	INEFFECT	60	S	N	IADPEVT1			01		60	N	02048	
1	IPABX	ABS0	DFSPB00M	INEFFECT		R	R	IMABIMS0	Y		01			N		R
1	IPABX	ABS1	DFSPB01M	INEFFECT		R	R	IMABIMS1	Y		01			N		R
1	IPABX	ABS2	DFSPB02M	INEFFECT		R	R	IMABIMS2	Y		01			N		R
1	IPABX	ABS3	DFSPB03M	INEFFECT		R	R	IMABIMS3	Y		01			N		R

Scroll for more...

"Hotspot" shows a change in value from one row to the next...

Select the value that is "in effect" on the system, the value in a member, the values in JCL overrides (if present), or stage 1 macro



Are my parameters in stage 1, PROCLIB data set members, or in JCL overrides?

The values "in effect" on the system

Type	IMSplex	SystemName	SystemType	MemberName	ParmSource	ALOT	AOIP	AOIS	AOI1	APPC	APPCSE	APPLID1	APPLID2	APPLID3	ARC	ARMRST	ASOT	AUTO	BSIZ
DFSPB	PLEDA	IEDA	IMS	DFSPBHWS	INEFFECT	60			N			IEDAEVT1			01	N	60	N	02048
	PLEDA	IEDA	IMS	DFSPBHWS	JCLOVERRIDES													N	
	PLEDA	IEDA	IMS	DFSPBHWS	MEMBER	60			N						01	N	60	N	02048
	PLEDA	IEDA	IMS	DFSPBHWS	XIMSGEN														

Parameter source (+ what is "in effect")

Parameter value from stage 1 macro

Value derived from JCL override

Parameter values set in PROCLIB data set member



Browsing resources in an IMSplex

Here we have applied special highlighting to help us differentiate between values reported in the **TYPE** column (DEDB, DHISNDX, DL/I, MSDB, PART, PHDAM, PHIDAM, PSIINDEX)

PLEDB [IMSplex] Compare

Databases: Live: All

Type: Databases Show: Live Status: All

DBName	AreaName	PartName	MbrName	CC	CCText	TYPE	LAcc	LDRsdnt	LRsdnt	LclStat	LModelName	LModelType	LTimeCreate	LTimeUpdate	LTimeAccess	LTimeImport	LDefnType
AUTODB			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
DBFSAMD1			IEDB	0		MSNR	EXCL		Y				2018.060 19:40:00.32				MODBLKS
DBFSAMD2			IEDB	0		MSRF	EXCL		Y				2018.060 19:40:00.32				MODBLKS
DBFSAMD3			IEDB	0		DEDB	UPD		Y	NOTOPEN			2018.060 19:40:00.32				MODBLKS
DBFSAMD3	CUSDB		IEDB	0		AREA				NOTOPEN							
DBFSAMD4			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
DI21PART			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
DI21PRT1			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
DI21PRT2			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
DI21PRT3			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
DUMMYDB			IEDB	0			UPD		N	NOTINIT-1E-NODMB,NOTOPEN			2018.060 19:40:00.32				MODBLKS
EMPDB2			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
IPODB			IEDB	0		PHIDAM	UPD		N				2018.060 19:40:00.32				MODBLKS
IPODB		IPODB1	IEDB	0		PART	UPD			NOTOPEN			2018.060 19:40:00.40				
IPDB1			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
IPDB11			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
IPDB2			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
IPDB3			IEDB	0		DEDB	UPD		Y	NOTOPEN			2018.060 19:40:00.32				MODBLKS
IPDB3	DFSVD3A		IEDB	0		AREA				NOTOPEN							
IPDB3	DFSVD3B		IEDB	0		AREA				NOTOPEN							
IPDB4			IEDB	0		MSNR	EXCL		Y				2018.060 19:40:00.32				MODBLKS
SINDEX11			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS
SINDEX22			IEDB	0		DL/I	UPD		N	NOTOPEN			2018.060 19:40:00.32				MODBLKS

Parameters Resources Commands

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DB names

IMS

Local database status (LclStat)

A smarter way to manage and configure your IMS Systems with IMS Configuration Manager



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Submit an IMS command, view formatted responses, sort, filter, compare...

QUERY IMSPLEX SHOW(ALL)

1. Enter query

2. Submit

Command: QUERY IMSPLEX SHOW(ALL)

IMSplex	MbrName	CC	Member	JobName	Type	Subtype	Version	OSName	Status
CSLPLXDH	OMH1OM	0	ACMEPLX	FUDREA	AOP	FUDSRVR	1.4.0	FTS1	ACTIVE
CSLPLXDH	OMH1OM	0	IDTCSEVR	IDT#FUD	AOP	FUDSRVR	1.4.0	FTS1	ACTIVE
CSLPLXDH	OMH1OM	0	AXLFUD	FUDAXL	AOP	FUDSRVR	1.4.0	FTS1	ACTIVE
CSLPLXDH	OMH1OM	0	MARK	FUDMMA	AOP	FUDSRVR	1.4.0	FTS1	ACTIVE
CSLPLXDH	OMH1OM	0	IBDH	IBDHCTL	IMS	DBDC	11.1.0	FTS1	READY,ACTIVE
CSLPLXDH	OMH1OM	0	SCH1SC	IBDHSCI	SCI		1.4.0	FTS1	READY,ACTIVE
CSLPLXDH	OMH1OM	0	OMH1OM	IBDHOM	OM		1.4.0	FTS1	READY,ACTIVE
CSLPLXDH	OMH1OM	0	RMH1RM	IBDHRM	RM	SNGLRM	1.4.0	FTS1	READY,ACTIVE

For more information on IMS QUERY commands:
https://www.ibm.com/support/knowledgecenter/en/SSEPH2_15.1.0/com.ibm.ims15.doc.cr/imscmds/ims_querycmds.htm

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Command: QUERY PGM NAME(*) SHOW(ALL)

PgmName	MbrName	CC	CCText	LRgnType	SMPTType	LFP	LDOPT	LGPSB	LDRsdnt	LRsdnt	LTranStat	LPgmLang	LSchdType	LclStat	LModelName	LModelType	LTimeCreate	LTimeUpdate	LTimeAccess	LTimeImport	LDefnType
DFSIVP62	IEDB	0		BMP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVP64	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVP85	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVP67	IEDB	0		JBP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVP7	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVP8	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVP9	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVPA	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVPB	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVPC	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVPD	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVPE	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVPF	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
DFSIVPG	IEDB	0		IFP	N	E	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM01	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM02	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM03	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM04	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM05	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM06	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM07	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM08	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM09	IEDB	0		BMP	Y	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM31	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM32	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAM33	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				LKS
DFSSAMA1	IEDB	0		BMP	Y	N	N	N	N	N	N		SERIAL	NOTINIT-40-NOPSB			2018.060 19:40:00.32				LKS
DFSSAMA2	IEDB	0		BMP	Y	N	N	N	N	N	N		SERIAL	NOTINIT-40-NOPSB			2018.060 19:40:00.32				LKS
DFSSAMA3	IEDB	0		BMP	Y	N	N	N	N	N	N		SERIAL	NOTINIT-40-NOPSB			2018.060 19:40:00.32				LKS
DVPPGM01	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
IPOPSB	IEDB	0		JMP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
IVPREXX	IEDB	0		MPP	N	N	N	Y	N	N	N	ASM/CBL	PARALLEL				2018.060 19:40:00.32				MODBLKS
JLMPGM01	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS
MQATPGM	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL	NOTINIT-40-NOPSB			2018.060 19:40:00.32				MODBLKS
TWMPGM01	IEDB	0		MPP	N	N	N	N	N	N	N		PARALLEL				2018.060 19:40:00.32				MODBLKS

Show me the programs in IMSplex PLEDB

Here we have applied a filter to the LclStat column output to highlight local application program status information

Submit IMS commands, view formatted responses, and perform cross-system response comparison

Compare same transactions in three IMS systems

Different local current scheduling priorities (LCPRI)

Different processing limit count times (LPLCTTime)

Create a variety of cross-system comparisons using type-2 command output – in this example, we are comparing transactions:

1. Submit QUERY TRAN NAME(*) SHOW(ALL) for each system/IMSplex you wish to view and compare
2. Click the compare button
3. Set your comparison options
4. Sorting by trancode will group the transaction codes together

A smarter way to manage and configure your IMS Systems with IMS Configuration Manager



Your IMS configuration under complete control

Autodiscovery: Your topology questions answered.

IMSplices

IMS systems

IMS Connect

CSL members

PROCLIB data sets

JCL overrides

Parameter editing (ISPF): Make changes with confidence

Active members

Syntax checker

Parameter model

Parameter help

Change history

Revert

Enterprise-wide management (z/OS Explorer):
Your enterprise now fully understood.

Cross-system parameter comparisons

Browse resources (programs, databases..)

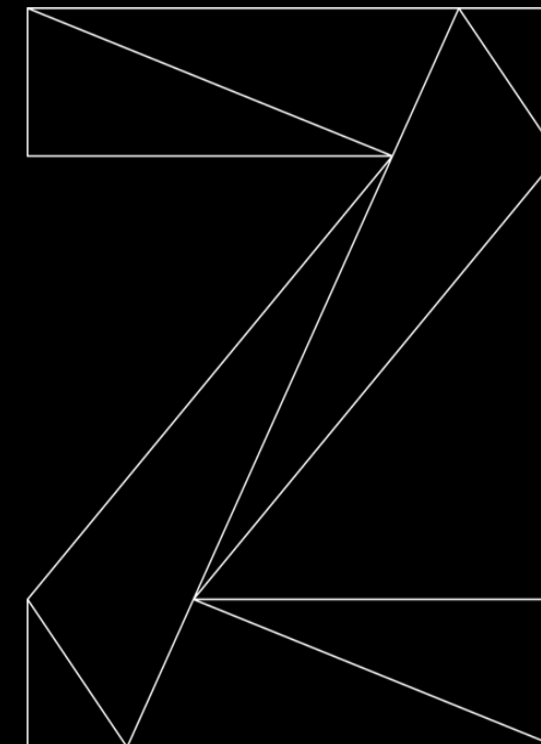
Submit IMS commands (e.g. QUERY)

Highlight, filter, and find

Export for offline analysis



Reference	Link
IMS Configuration Manager for z/OS Explorer	https://developer.ibm.com/mainframe/products/downloads/eclipse-tools/
IMS Configuration Manager documentation	https://www.ibm.com/support/knowledgecenter/en/SSF2ZH_2.3.0
IMS Configuration Manager marketplace page	https://www.ibm.com/au-en/marketplace/ims-configuration-manager-for-zos



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For More Information

- IMS Tools website
www.ibm.com/it-infrastructure/z/ims/tools
- IMS Tools new functions
www.ibm.com/support/docview.wss?uid=swg22015506
- IMS Tools Product Documentation
www.ibm.com/support/docview.wss?uid=swg27020942
- IMS Tools Youtube Playlist
www.youtube.com/playlist?list=PLezLS0Tuqb-5DSdF1Locnq5lhTgcX02vf
- IMS new functions
www.ibm.com/support/knowledgecenter/en/SSEPH2_15.1.0/com.ibm.ims15.doc.rpg/ims_cd_functions.htm
- IBM zITSM newsletter (email every 2 months with summary articles and links to more information)
<http://ibm.biz/zITSMNewsletterSubscribe>



धन्यवाद

Hindi

多謝

Traditional

감사합니다

Korean

Спасибо

Russian

Ndzi khense ngopfu

Tsonga

Gracias

Spanish

Thank You

English

Obrigado

Brazilian Portuguese

شكراً

Arabic

Grazie

Italian

Danke

German

多谢

Simplified Chinese

Merci

French

Ke a leboha

Tswana

நன்றி

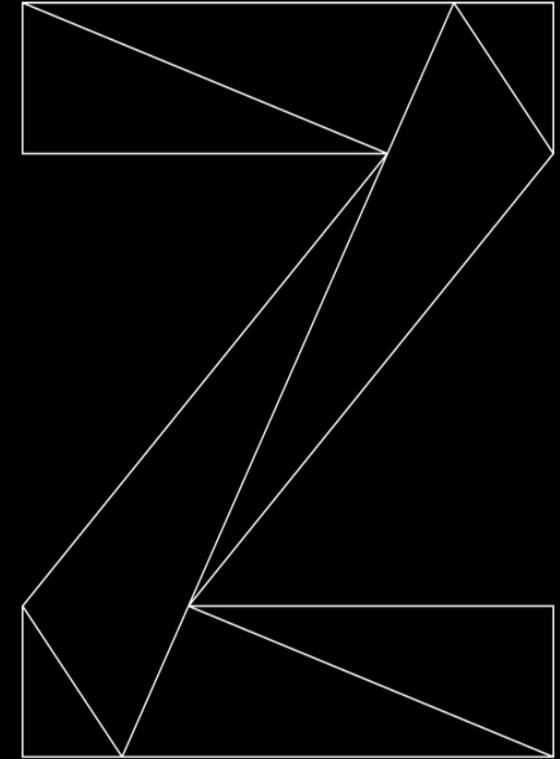
Tamil

ありがとうございました

Japanese

ขอบคุณ

Thai



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