Our Job?

Helping you make repairs, avoid problems and improve z/OS integrity.
This results in a safer and more secure environment for your business applications.

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Our Power User Group Update

Agenda – 20 Minutes

1. TSO/ISPF support for The Control Editor, Edit Function
2. Support for the IBM Health Checker for z/OS
3. Supplemental Inspectors 3.0, The Check/Policy Inspector
4. Supplemental Inspectors 3.0, The IODF/Policy Inspector
5. The Inspector Development Kit (IDK), upgrading the Custom Inspectors
6. Fast DASD Erase for z/OS, TSO/ISPF access/control interface

Optional – 20 Minutes

1. Policy Inspector walk through and demonstration

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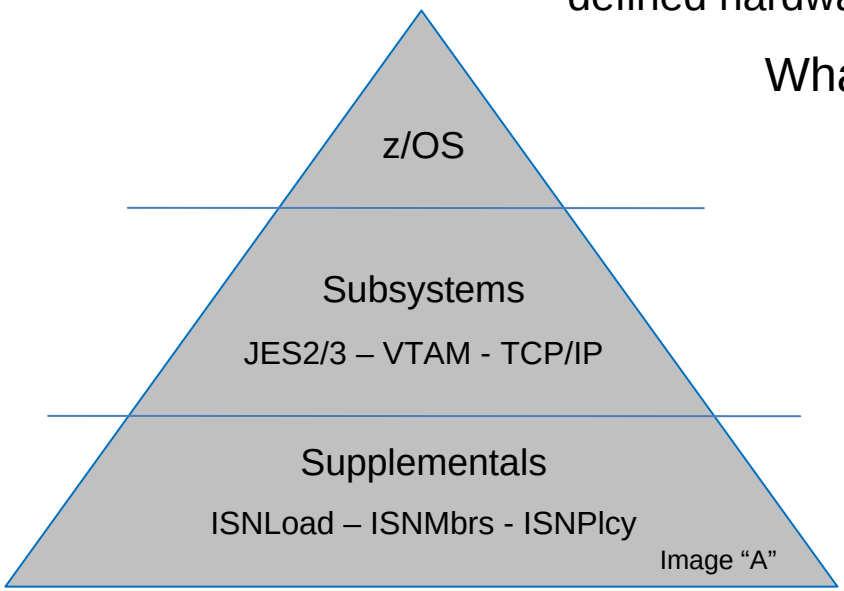
Supplementals 3.0 & The Policy Inspector

What are the Supplemental Inspectors:

Supplemental Inspectors extend the scope of the inspection and blueprinting process to include critical system components and system settings not necessarily prevailing or critical during an Image IPL . Specifically the Supplemental Inspectors monitor the modules and objects in system libraries, the members in partitioned datasets and the *installation policies* that are used to control system security (RACF, ACF2, & Top Secret), the monitoring of overall system health (HZSPROC) and the defined hardware configuration (IODF).



What’s New in 3.0

1. Configuration Simplification
2. Posting to the Health Checker
3. The Policy Inspector:
   - ❖Security
   - ❖Health
   - ❖Hardware →

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The Policy Inspector – IODF/IOCDS

The Issue:

1. The reliability of Input Output Definition File (IODF) documentation and the systematic identification of changes to that documentation are critical z/OS Policy Considerations.
2. If managed adequately, IODF documentation maintenance and the reconciliation of reported IODF changes can help improve perceived and/or the actual integrity of a z/OS environment.

Response:

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The Policy Inspector – IODF/IOCDS

The Issue:

1. The reliability of Input Output Definition File (IODF) documentation and the systematic identification of changes to that documentation are critical z/OS Policy Considerations.
2. If managed adequately, IODF documentation maintenance and the reconciliation of reported IODF changes can help improve perceived and/or the actual integrity of a z/OS environment.

Response:

1. Enhance the Supplemental/Policy Inspector so that it can process datasets containing IOCP, OSCP and Switch Configurations Macro Statements.
2. Enhance Image FOCUS Auto Discovery so that it can find and report on the specific location of a Named Image's Input Output Definition File (IODF).
3. Enhance the Policy Inspector so that it can extract definitions from the IODF, blueprint them, detect changes in them and report/notify as directed.

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The Policy Inspector – IODF/IOCDS

ISNPLCY IODF Analytic Core Applications:

- Inline Processing:

  Called inline as an Inspector by Image FOCUS.

- Directed Processing:

  Panel driven and directed to one/two named/discovered IODF Datasets.

- LPAR Specific Application:

  More complete visual presentation of a target LPAR.

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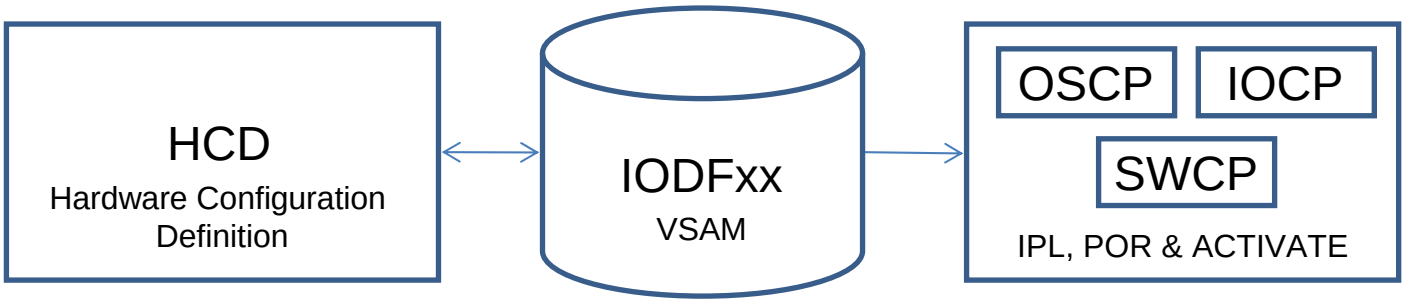
The Policy Inspector – IODF/IOCDS

Configuring ISNPLCY to Acquire the IODF/Configuration Decks – Auto Discovery:

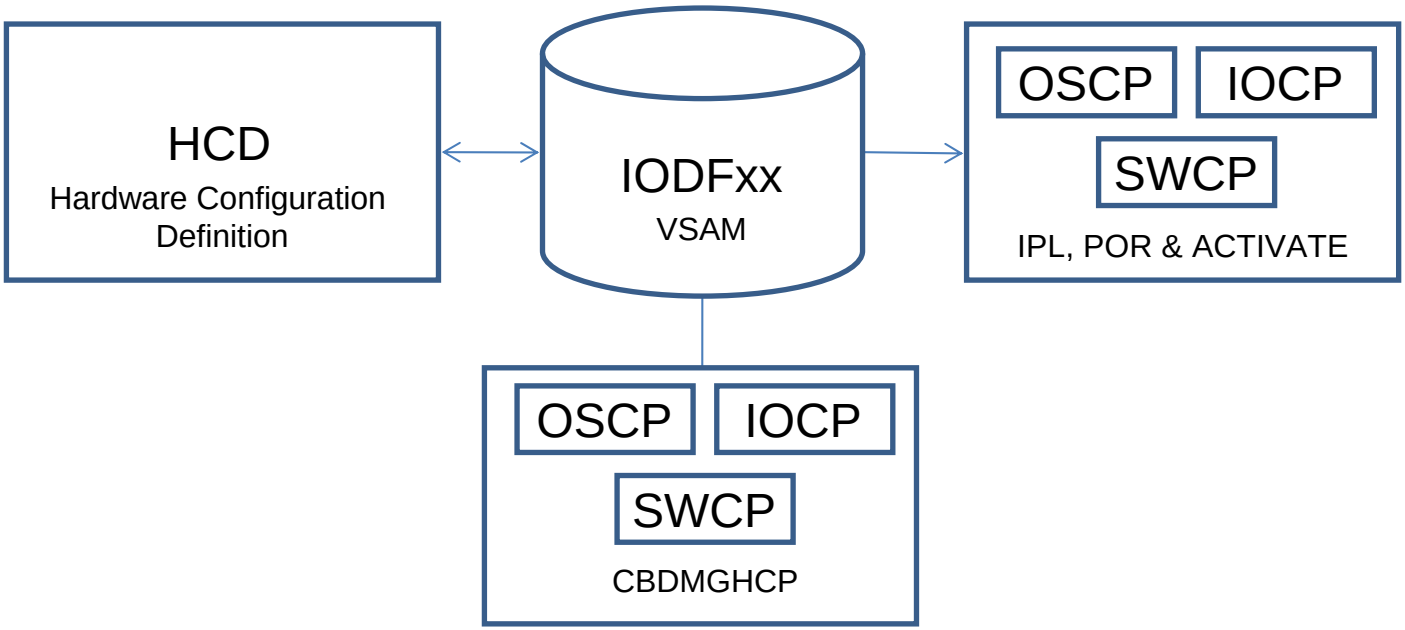
ITEM	IMAGE-A	IMAGE-B	IMAGE-C	IMAGE-n
View Point	IFO Local	Remote	Remote	Remote
IPL Input	Auto			
Load Parm	Auto			
Hardware Name*	Auto	User	User	User
LPAR Name	Auto	User	User	User
VM User Id	Auto	User	User	User
System Name	Auto			
EDT Id	Auto			
Config Id*	Auto			
IODF Dsn	Auto			
IODF Vol	Auto			
IPL Date	Auto			
IPL Time	Auto			

* Hardware Name = procid, Config Id = osid

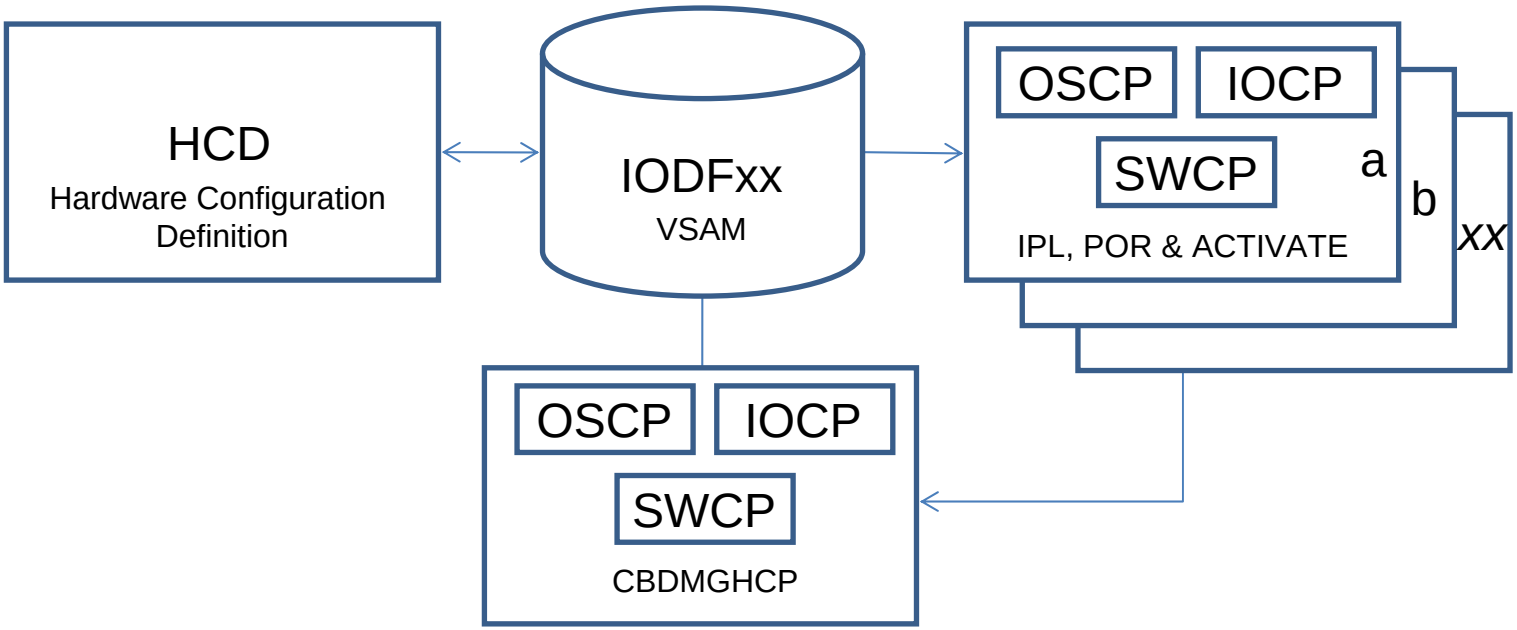
Processing Processor, Switch and Software Configurations:



Processing Processor, Switch and Software Configurations:



Processing Processor, Switch and Software Configurations:



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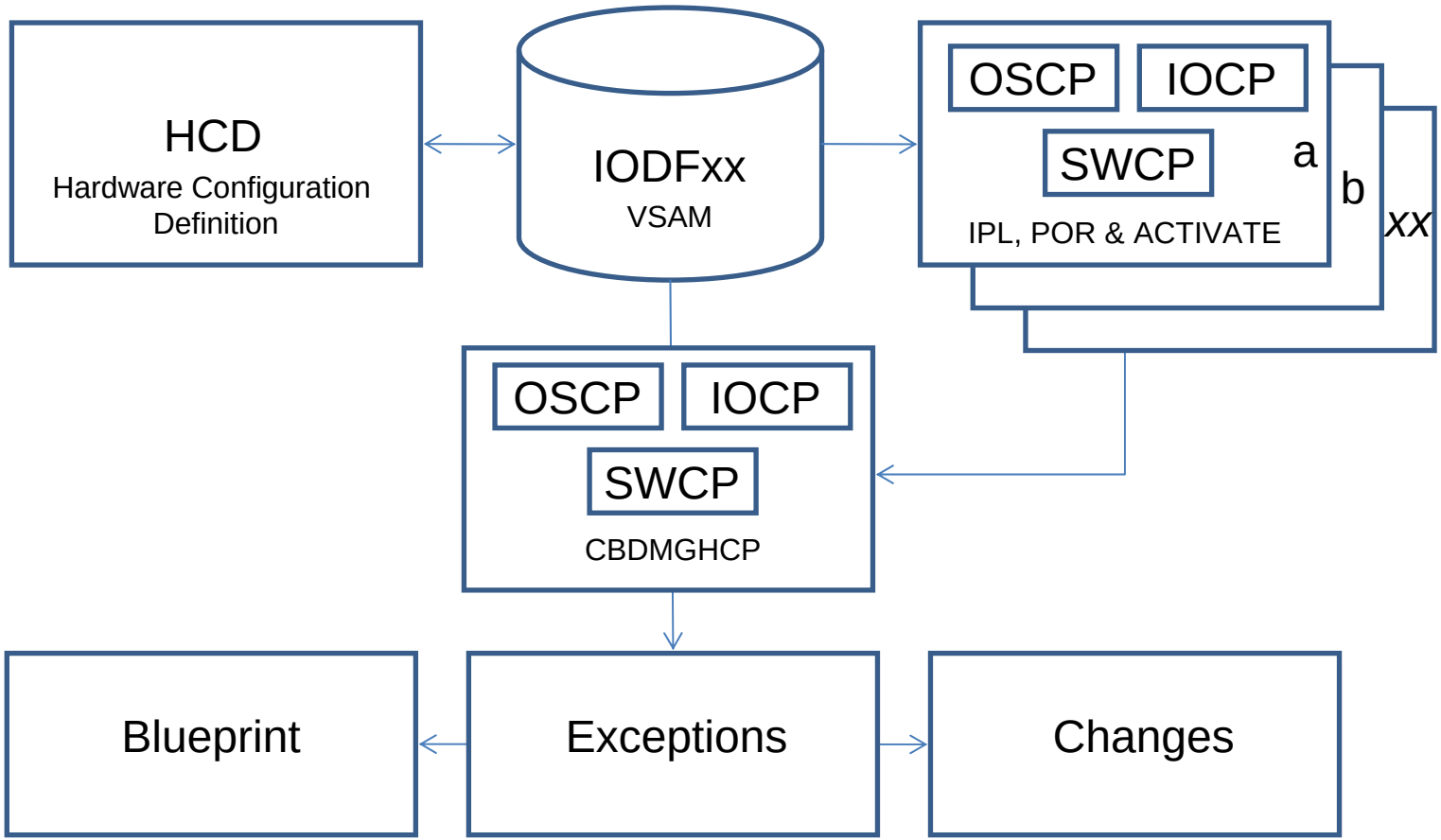
The Policy Inspector – IODF/IOCDS

Processing Processor, Switch and Software Configurations:



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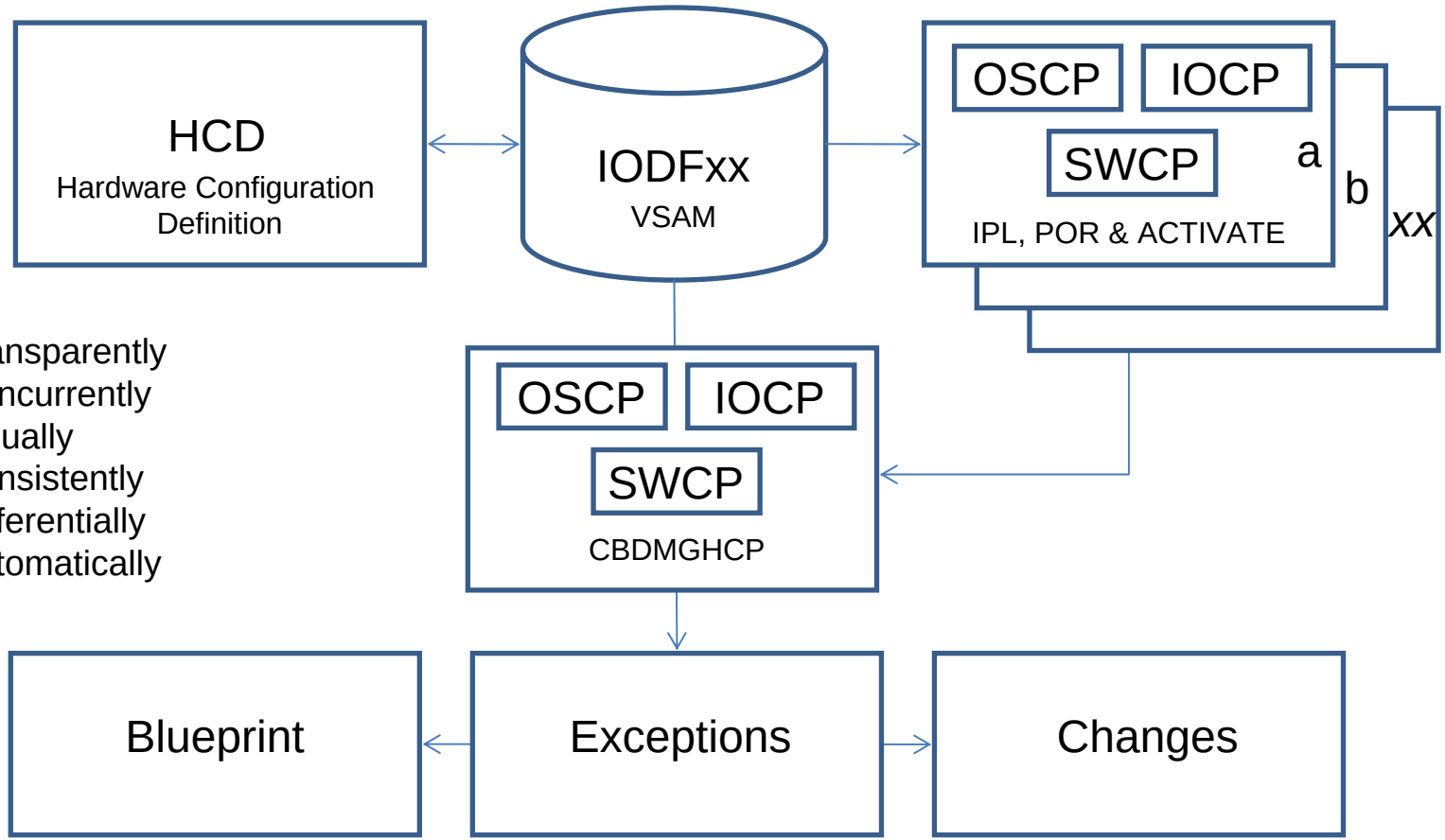
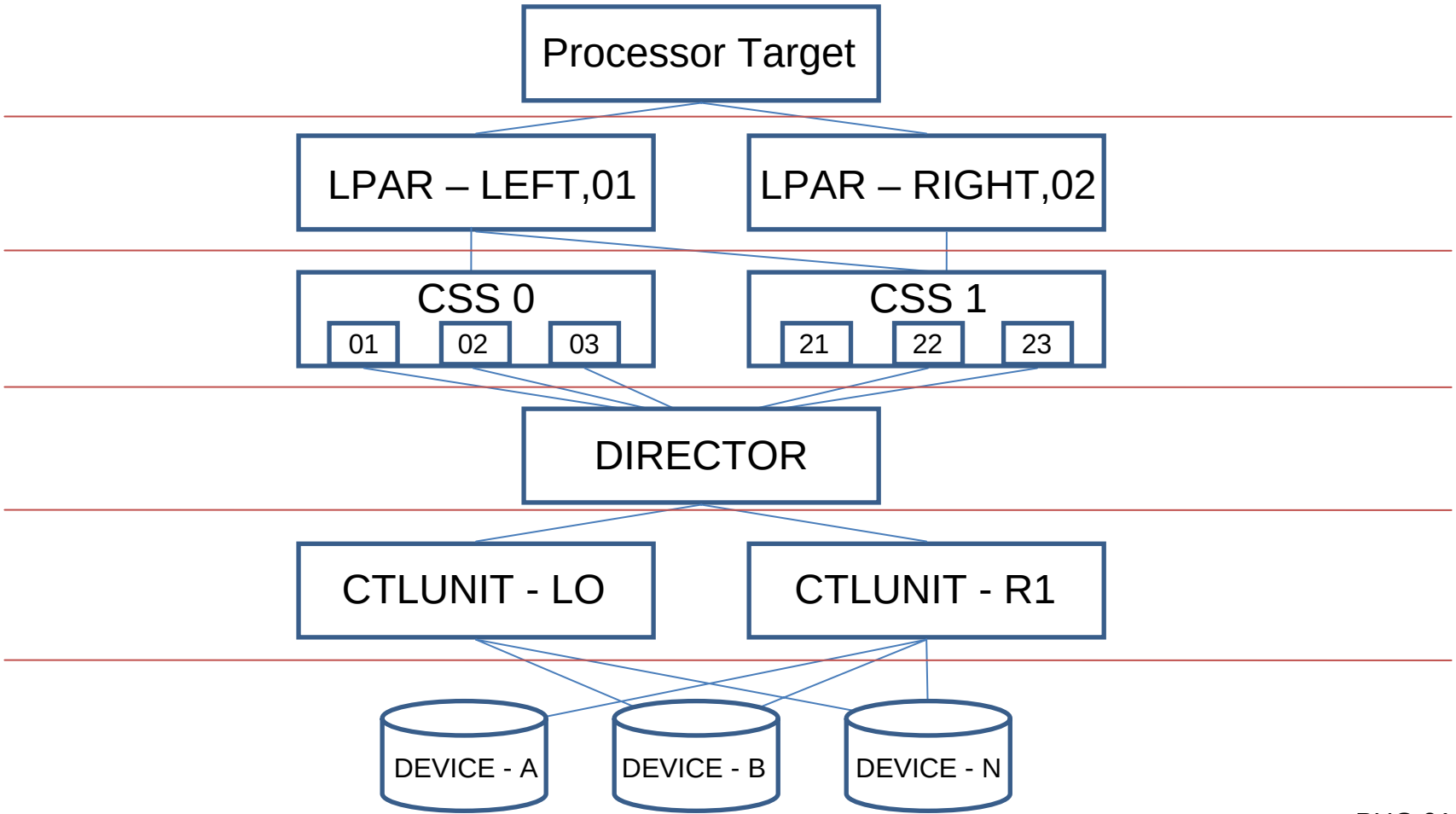
The Policy Inspector – IODF/IOCDS

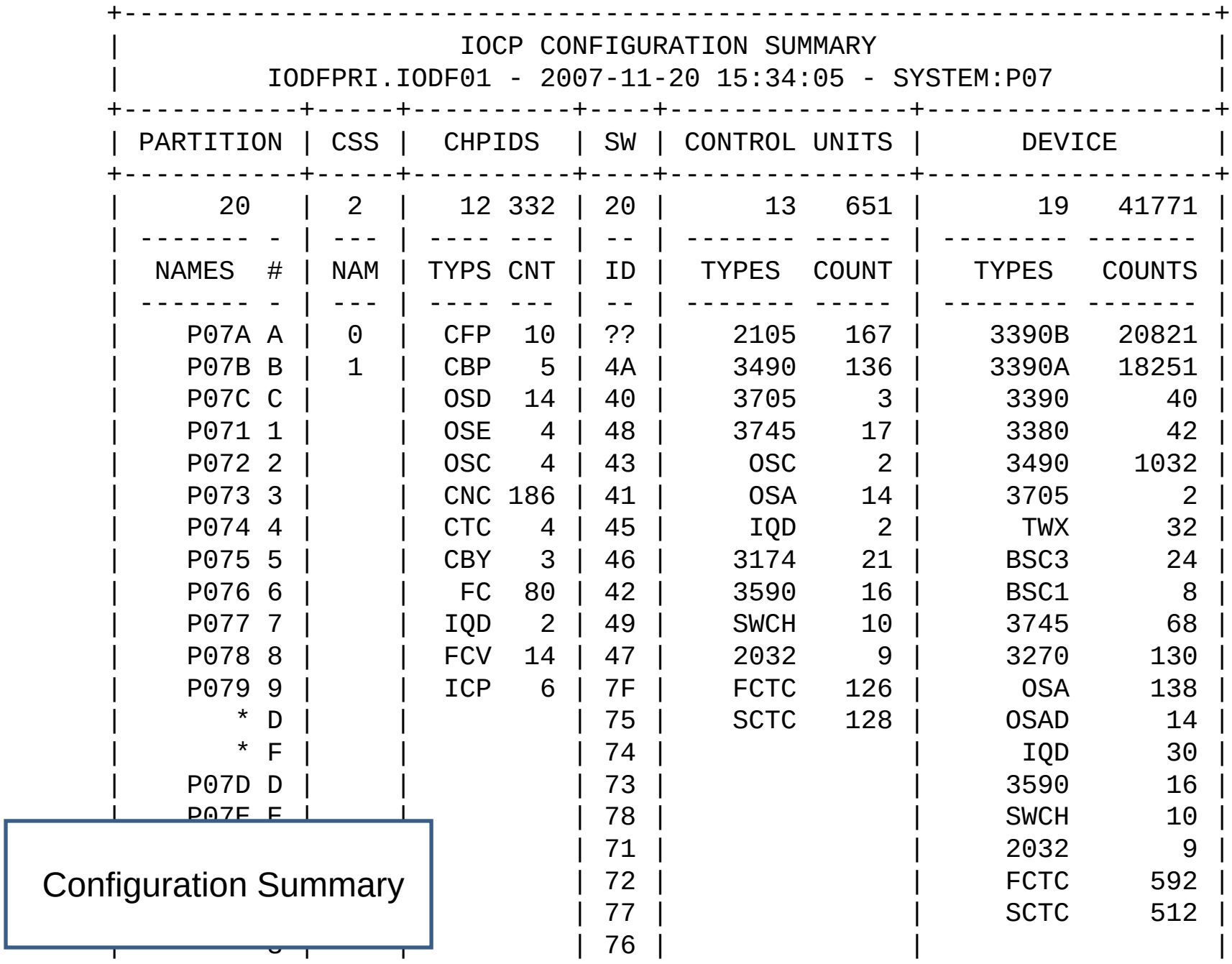
Processing Processor, Switch and Software Configurations:



- Transparently
- Concurrently
- Visually
- Consistently
- Differentially
- Automatically

The IODF Configuration – ISNPLCY - IOCP Process Topology:



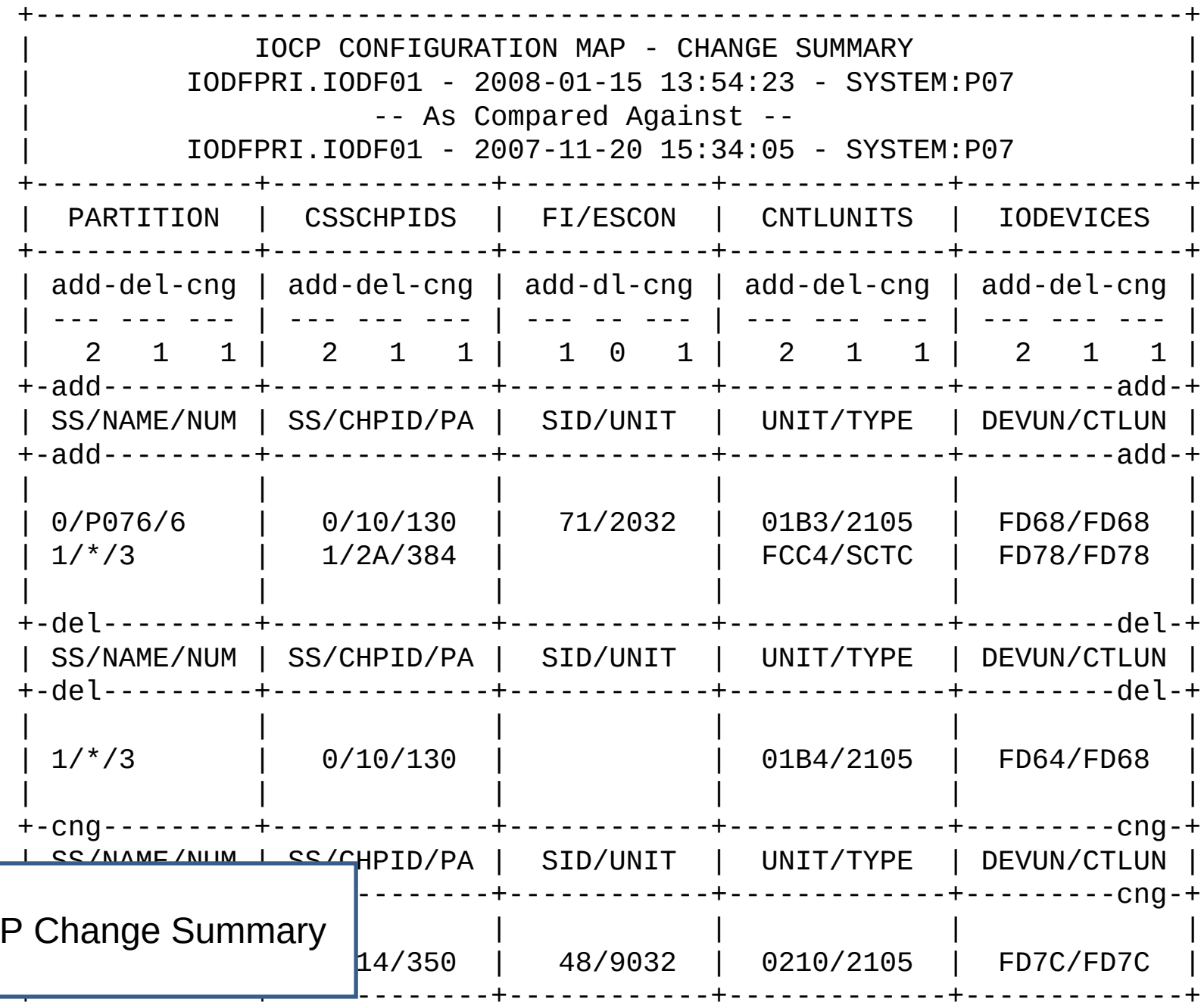


IOCP CONFIGURATION SUMMARY

IODFPRI.IODF01 - 2007-11-20 15:34:05 - SYSTEM:P07

PARTITION	CSS	CHPIDS	SW	CONTROL UNITS	DEVICE
20	2	12 332	20	13 651	19 41771
NAMES #	NAM	TYPS CNT	ID	TYPES COUNT	TYPES COUNTS
P07A A	0	CFP 10	??	2105 167	3390B 20821
P07B B	1	CBP 5	4A	3490 136	3390A 18251
P07C C		OSD 14	40	3705 3	3390 40
P071 1		OSE 4	48	3745 17	3380 42
P072 2		OSC 4	43	OSC 2	3490 1032
P073 3		CNC 186	41	OSA 14	3705 2
P074 4		CTC 4	45	IQD 2	TWX 32
P075 5		CBY 3	46	3174 21	BSC3 24
P076 6		FC 80	42	3590 16	BSC1 8
P077 7		IQD 2	49	SWCH 10	3745 68
P078 8		FCV 14	47	2032 9	3270 130
P079 9		ICP 6	7F	FCTC 126	OSA 138
* D			75	SCTC 128	OSAD 14
* F			74		IQD 30
P07D D			73		3590 16
P07E E			78		SWCH 10
			71		2032 9
			72		FCTC 592
			77		SCTC 512
			76		

Configuration Summary



IOCP CONFIGURATION MAP - CHANGE SUMMARY
IODFPRI.IODF01 - 2008-01-15 13:54:23 - SYSTEM:P07
-- As Compared Against --
IODFPRI.IODF01 - 2007-11-20 15:34:05 - SYSTEM:P07

PARTITION	CSSCHPIDS	FI/ESCON	CNTLUNITS	IODEVICES
add-del-cng	add-del-cng	add-dl-cng	add-del-cng	add-del-cng
--- --- ---	--- --- ---	--- -- ---	--- --- ---	--- --- ---
2 1 1	2 1 1	1 0 1	2 1 1	2 1 1

add

SS/NAME/NUM	SS/CHPID/PA	SID/UNIT	UNIT/TYPE	DEVUN/CTLUN
0/P076/6	0/10/130	71/2032	01B3/2105	FD68/FD68
1/*/3	1/2A/384		FCC4/SCTC	FD78/FD78

del

SS/NAME/NUM	SS/CHPID/PA	SID/UNIT	UNIT/TYPE	DEVUN/CTLUN
1/*/3	0/10/130		01B4/2105	FD64/FD68

cng

SS/NAME/NUM	SS/CHPID/PA	SID/UNIT	UNIT/TYPE	DEVUN/CTLUN
	14/350	48/9032	0210/2105	FD7C/FD7C

IOCP Change Summary

>CURRENT "IOCP" CONFIGURATION - REPORT AVAILABILITY.

IOCP CONFIGURATION REPORT AVAILABILITY
SYSIODFB.IODF1C - 2007-11-21 10:21:42 - TARGET:CHROME

IOCP REPORT DATASET:IFO.IFOP.PDIOCP1C.IMAG0001.$$CHROME

REPORT TITLE	STATUS	LINES	MEMBER
IOCP FULL MAP	IS AOK	12153	$IOCPMAP
IOCP LPAR SUMMARY	IS AOK	455	$LPARMAP
IOCP CHPID MAP	IS AOK	5730	$CHIPMAP
IOCP CHPID SUMMARY	IS AOK	118	$CHIPSUM
IOCP CTLU/DEVICE MAP	IS AOK	26248	$CTLUMAP
IOCP DEVICE SUMMARY	IS AOK	454	$IODVSUM
IOCP CTLU SUMMARY	IS AOK	876	$CTLUSUM

IOCP Report Availability

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The Policy Inspector – IODF/IOCDS

ISNPLCY the Flow of IODF Processing:

ISNPLCY the Flow of IODF Processing:

Your IODFxx

ISNPLCY the Flow of IODF Processing:

Your IODFxx → OS , *

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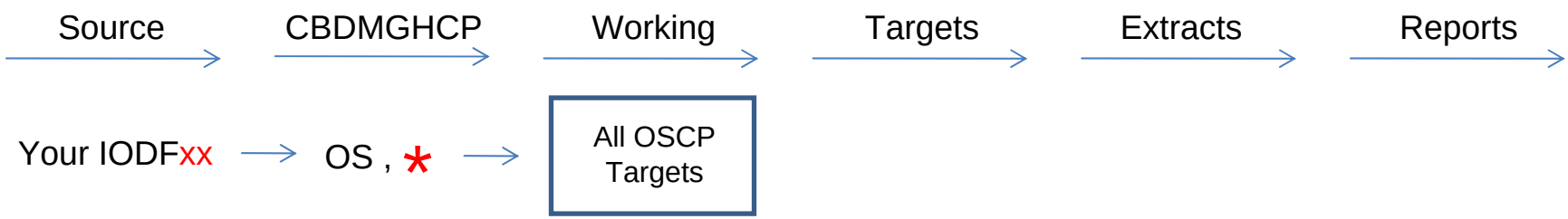
The Policy Inspector – IODF/IOCDS

ISNPLCY the Flow of IODF Processing:



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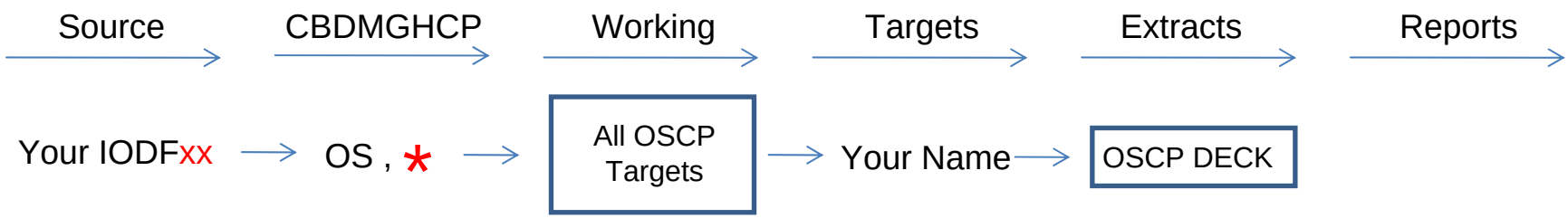
The Policy Inspector – IODF/IOCDS

ISNPLCY the Flow of IODF Processing:



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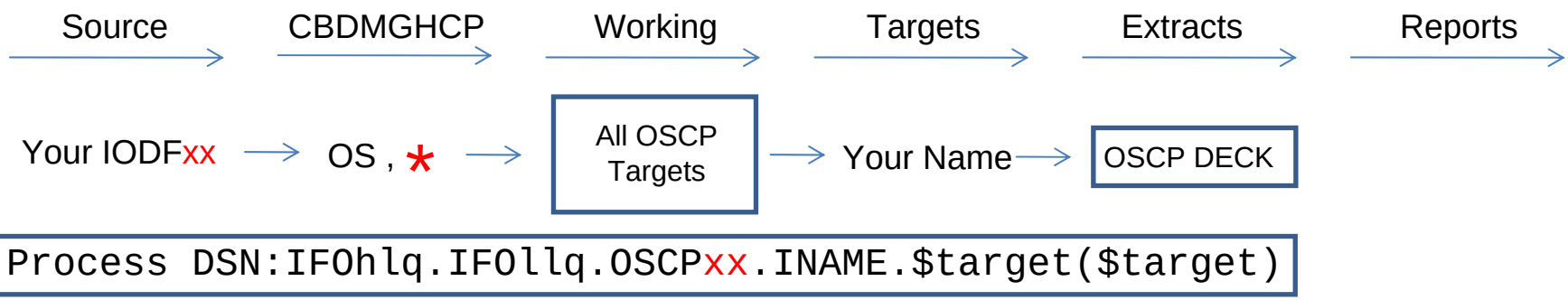
The Policy Inspector – IODF/IOCDS

ISNPLCY the Flow of IODF Processing:




```
Process DSN:IFOhlq.IFOllq.OSCPxx.INAME.$target($target)
```

```
>THE "OSCP" DECK DATASETS ON VOLUMES FOR TARGET > ATMONE <

 ...WORKING OSCPDSN:PROBI1.FSOFT.OSCP(BCLAY01)
 ...        OSCPVOL:VPWRKI IS THE ASSOCIATED VOLUME.

 ...PROCESS OSCPDSN:IFO.IFOP.PDOSCP0C.IMAG0001.$$ALTNIP
 ...        OSCPVOL:VPWRKI IS THE ASSOCIATED VOLUME.

 ...EXTRACT OSCPDSN:IFO.IFOP.PDOSCP0C.IMAG0001.$$ALTNIP($$ALTNIP)
 ...        OSCPVOL:VPWRKI IS THE ASSOCIATED VOLUME.

 ...PROFILE OF THE "OSCP" DECK YIELDS THESE ACTIVE STATEMENT.

 ...STATEMENTS:1671 ---------- IS USED TO SPECIFY ----------
    ---------- ---- ----------------------------------------
... IOCONFIG     1 THE z/OS SYSTEM TARGET
... NIPCON       7 THE NIP CONSOLES
... EDT          1 THE ELIGIBLE DEVICE TABLES
... UNITNAME   240 THE ESOTERIC/GENERIC DEVICES
... IODEVICE  1422 THE OSCP INPUT/OUTPUT DEVICES
```

OSCP Deck Profile

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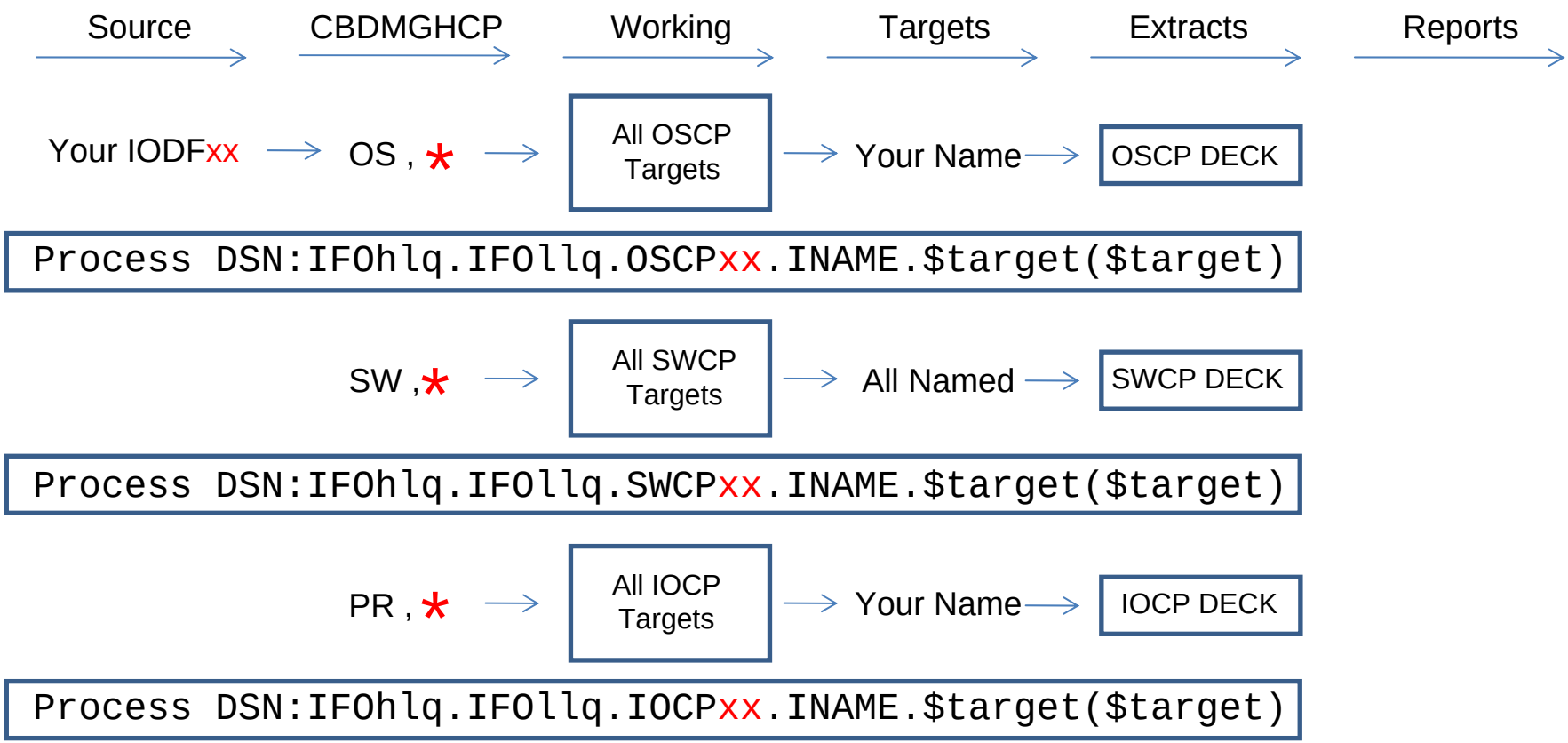
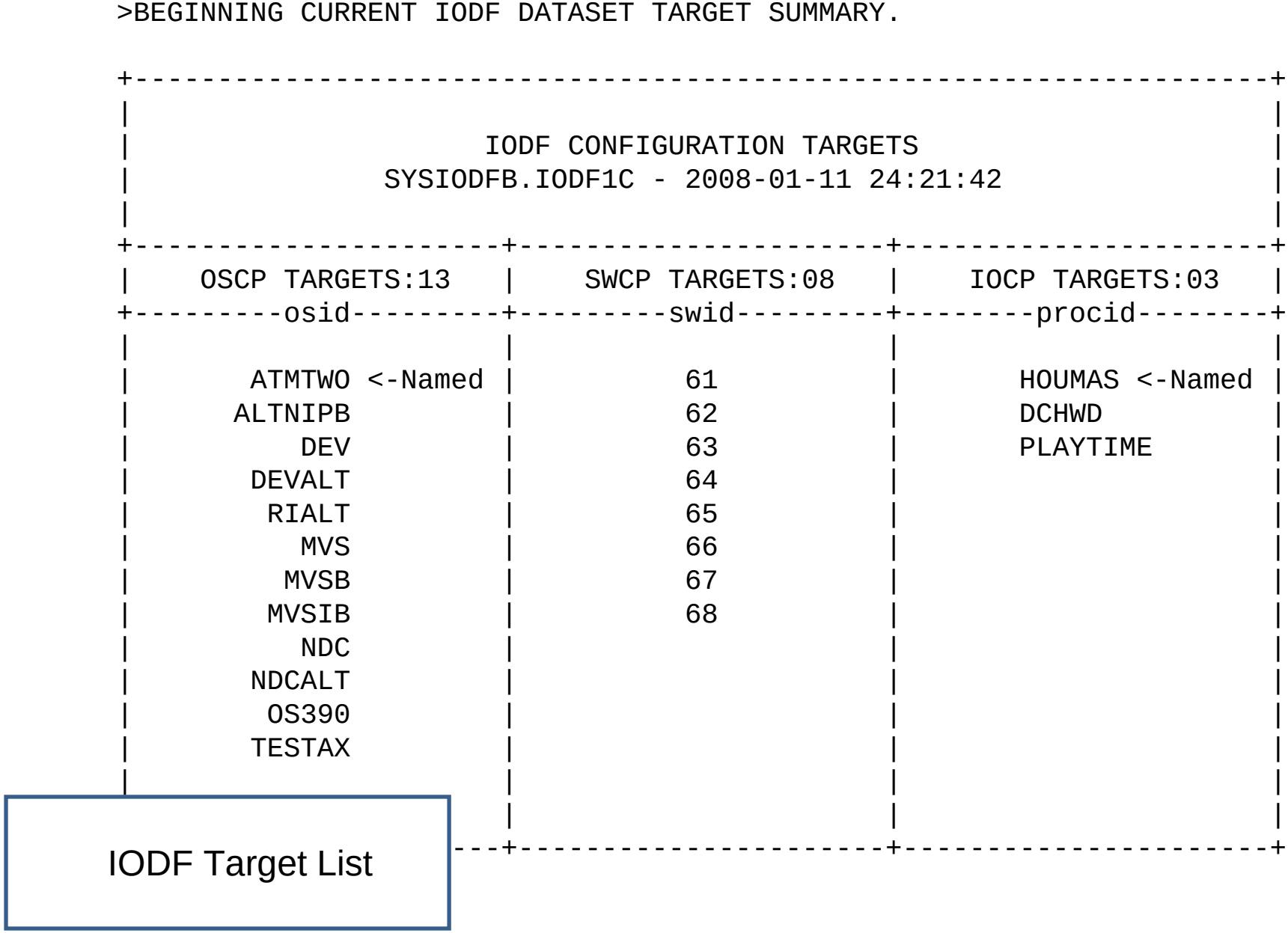
The Policy Inspector – IODF/IOCDS

ISNPLCY the Flow of IODF Processing:





IODF Target List

```
>BEGINNING IODF DATASET TARGET CHANGE SUMMARY.

+-----------------------------------------------------------------------+
|                                                                       |
|                  IODF CONFIGURATION TARGET CHANGES                    |
|                                                                       |
|               SYSIODFB.IODF1C - 2008-01-15 10:31:15                   |
|                     -- As Compared Against --                         |
|               SYSIODFB.IODF1C - 2007-12-31 10:01:42                   |
|                                                                       |
+----------------------+----------------------+-----------------------+
|    OSCP TARGETS:--   |    SWCP TARGETS:--   |    IOCP TARGETS:01    |
+-add-----osid---------+---------swid---------+--------procid----add-+
|                      |                      |                       |
|        -n/c-         |          73          |        PLAYTIME       |
|                      |          74          |                       |
|                      |          75          |                       |
|                      |                      |                       |
+-del-----osid---------+---------swid---------+--------procid-----del-+
|                      |                      |                       |
|        ATMWEST       |        -n/c-         |        -n/c-          |
|                      |                      |                       |
+----------------------+----------------------+-----------------------+
```

IODF Target Changes

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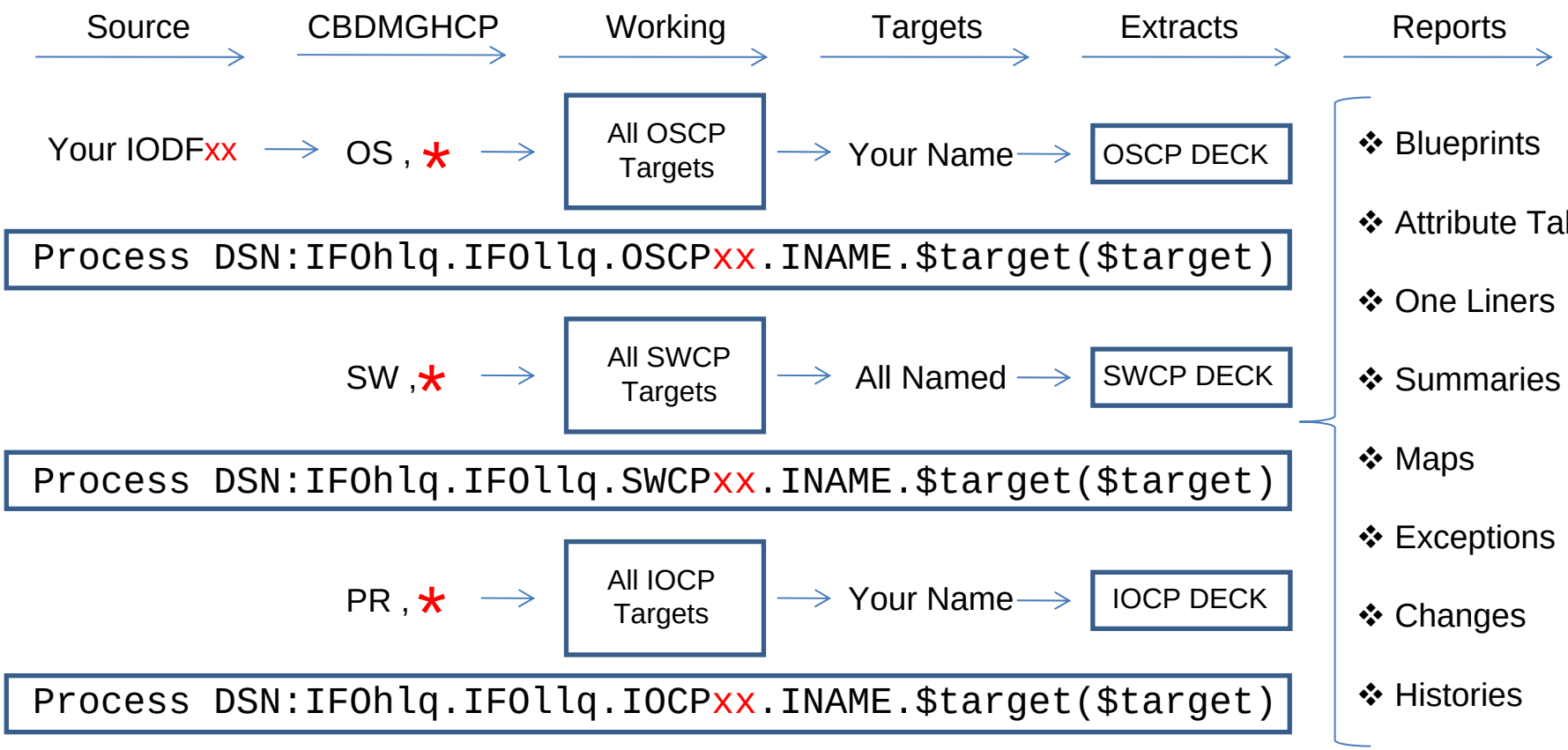
The Policy Inspector – IODF/IOCDS

ISNPLCY the Flow of IODF Processing:



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The Policy Inspector – IODF/IOCDS

Configuring ISNPLCY Application and Report Preferences:

4.a	VUEDECK	*IOCP, OSCP, SWCP, or **
4.b	VUEBLUE	*IOCP, OSCP, SWCP, or **
4.c	MAPRPTS	*IOCP, OSCP, SWCP, or **
4.d	EXCRPTS	*IOCP, OSCP, SWCP, or **
4.e	CNGRPTS	*IOCP, OSCP, SWCP, or **
4.f	VUERPTS	*IOCP, OSCP, SWCP, or **
4.g	VUEHIST	*IOCP, OSCP, SWCP, or **

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Supplementals 3.0 & The Policy Inspector

What are the Supplemental Inspectors:

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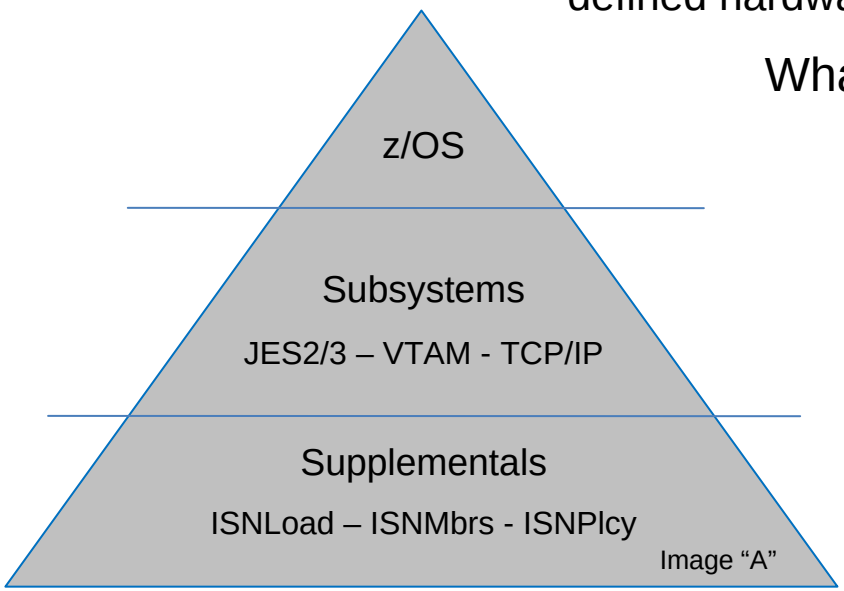

What’s New in 3.0

1. Configuration Simplification
2. Posting to the Health Checker
3. The Policy Inspector:
   - ❖Security
   - ❖Health
   - ❖Hardware

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The Policy Inspector – Security

The Issue:

1. The documentation of site/system Dataset Security and the systematic identification of changes to that documentation are critical z/OS Policy Considerations.
2. If managed adequately, Security documentation maintenance and the reconciliation of reported profile and application changes can help improve perceived and/or the actual integrity of a z/OS environment.

Response:

1. Enhance the Supplemental/Policy Inspector so that it can process datasets source list containing targets of security interest.

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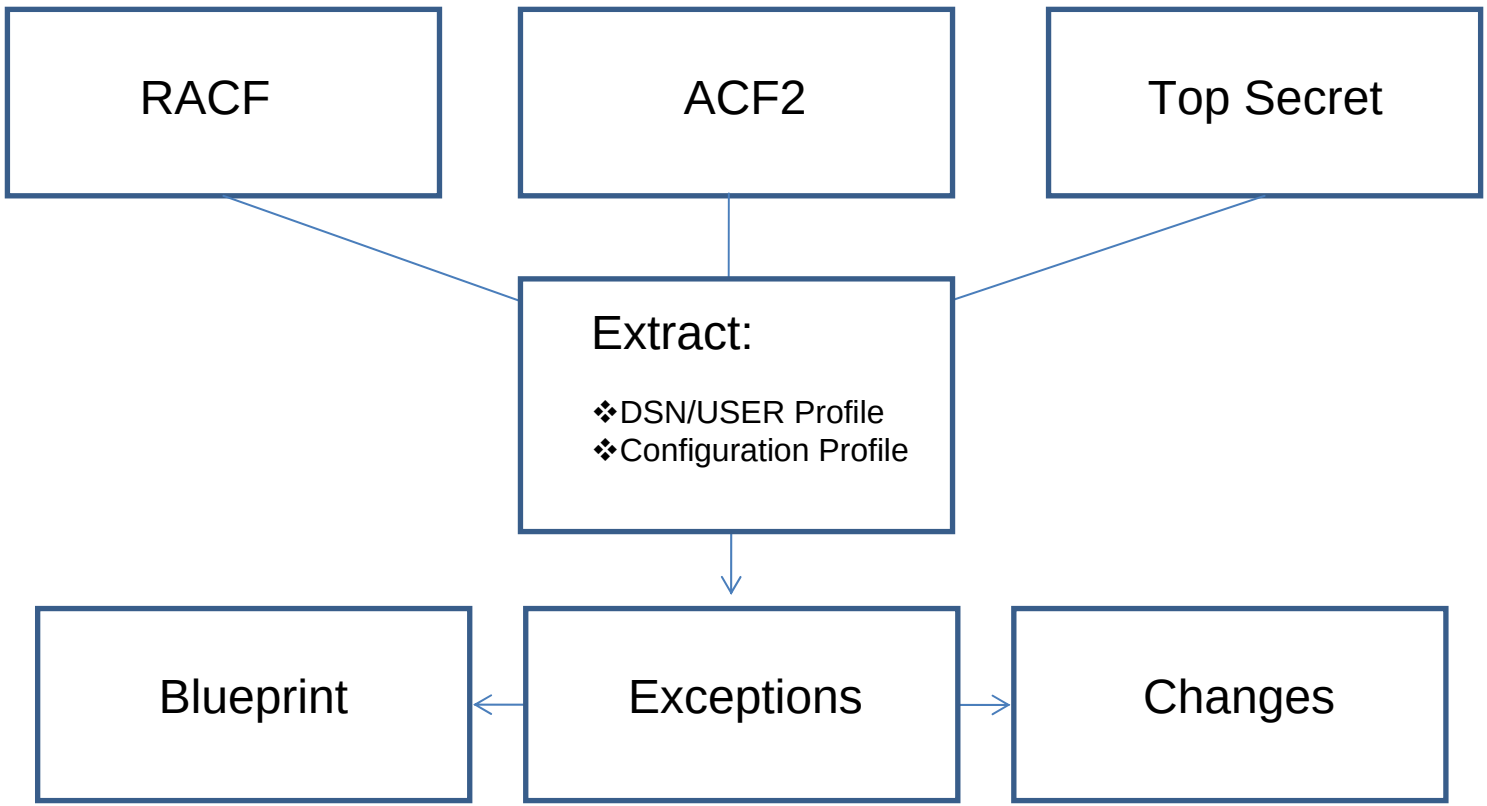
The Policy Inspector – Security

ISNPLCY Security Inspector - Data Acquisition, Analysis and Blueprinting:



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The Policy Inspector – Security

ISNPLCY Security Blueprinting – ACF2 Dataset/Access Profile – Partial Extract:

```
PSYNCH4.ACF2.BACKTST0 UID(PSYNCH4) ALLOC(A)
PSYNCH4.ACF2.BACKTST1 UID(*) WRITE(L)
PSYNCH4.ACF2.TEST-1 UID(*) READ(A) EXEC(A)
PSYNCH4.ACF2.TEST1 UID(*) READ(A) EXEC(A)
PSYNCH4.ACF2.TEST10 UID(*) READ(L) WRITE(A) ALLOC(L) EXEC(L)
PSYNCH4.ACF2.TEST11 UID(*)
PSYNCH4.ACF2.TEST1- UID(*) EXEC(A)
PSYNCH4.ACF2.TEST2 UID(PSYNCH5) READ(A) WRITE(A) EXEC(A)
PSYNCH4.ACF2.TEST2 UID(********ESS     MVS1) READ(A) WRITE(A) EXEC(A)
PSYNCH4.ACF2.TEST5 UID(*) WRITE(A) EXEC(L)
PSYNCH4.ACF2.TEST6 UID(PSYNCH5) READ(A) EXEC(A)
PSYNCH4.ACF2.TEST6 UID(*)
PSYNCH4.ACF2.TEST7 UID(UIDTST8) READ(A) EXEC(A)
PSYNCH4.ACF2.TEST7 UID(*) WRITE(A)
PSYNCH4.ACF2.TEST8 UID(*) READ(L) EXEC(A)
PSYNCH4.ACF2.TEST9 UID(*) READ(L) ALLOC(L) EXEC(A)
PSYNCH4.ACF2.TEST* UID(UIDTST**ESS     MVS2) READ(A) WRITE(A) EXEC(A)
PSYNCH4.ACF2.TEST*1 UID(*) READ(A) EXEC(A)
PSYNCH4.ACF2.TEST- UID(*) WRITE(A)
PSYNCH4.ACF2.-.-.TEST9 UID(*) READ(L) ALLOC(A) EXEC(L)
PSYNCH4.ACF2.-.-.-.TEST9 UID(*) READ(L) EXEC(L)
PSYNCH4.ACF2.-.-.-.TEST9.T** UID(*) WRITE(L)
```

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The Policy Inspector – Security

ISNPLCY Security Blueprinting – ACF2 Dataset/Access Profile – Partial Extract:

```
PSYNCH4.ACF2.TEST-1 UID(********ESS     MVS*    ) READ(A) EXEC(A)
         Userid=UIDTST1  belongs to UID(********ESS     MVS*    )
         Userid=UIDTST2  belongs to UID(********ESS     MVS*    )
         Userid=UIDTST3  belongs to UID(********ESS     MVS*    )
         Userid=UIDTST4  belongs to UID(********ESS     MVS*    )
PSYNCH4.ACF2.TEST-1 UID(*) WRITE(A)
PSYNCH4.ACF2.TEST1 UID(*) READ(A) EXEC(A)
PSYNCH4.ACF2.TEST10 UID(*) READ(L) WRITE(A) ALLOC(L) EXEC(L)
PSYNCH4.ACF2.TEST11 UID(*)
PSYNCH4.ACF2.TEST1- UID(*) EXEC(A)
PSYNCH4.ACF2.TEST2 UID(PSYNCH5) READ(A) WRITE(A) EXEC(A)
PSYNCH4.ACF2.TEST2 UID(********ESS     MVS1) READ(A) WRITE(A) EXEC(A)
         Userid=UIDTST1  belongs to UID(********ESS     MVS1    )
PSYNCH4.ACF2.TEST5 UID(*) WRITE(A) EXEC(L)
PSYNCH4.ACF2.TEST6 UID(PSYNCH5) READ(A) EXEC(A)
PSYNCH4.ACF2.TEST6 UID(*)
PSYNCH4.ACF2.TEST7 UID(UIDTST8) READ(A) EXEC(A)
PSYNCH4.ACF2.TEST7 UID(*) WRITE(A)
PSYNCH4.ACF2.TEST8 UID(*) READ(L) EXEC(A)
PSYNCH4.ACF2.TEST9 UID(*) READ(L) ALLOC(L) EXEC(A)
PSYNCH4.ACF2.TEST* UID(UIDTST**ESS     MVS2) READ(A) WRITE(A) EXEC(A)
         Userid=UIDTST2  belongs to UID(UIDTST**ESS     MVS2    )
         Userid=UIDTST3  belongs to UID(UIDTST**ESS     MVS2    )
```

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The Policy Inspector – Security

ISNPLCY Security Blueprinting – ACF2 Application Profile – Partial Extract:

```
RUNNING eTrust CA-ACF2 8.0 SP03 /MVS SP7.0.5; WITH MODE = ABORT
USING FDR ASSEMBLY:  17.29  02/13/07

OPTIONS IN EFFECT:
%CHANGE=ALLOWED          ACCESS SUBCMD=DISABLED   BYPASS STATS=NO
CACHE SYNCHRONIZER=DISABLED                       CONTROL=DECENTRALIZED
CPF=DISABLED             CPUTIME=LOCAL            DATABASE CACHE=DISABLED
DATE FORMAT=MM/DD/YY     DDB=DISABLED             DFT PRIM LANG=ENU
DFT SECND LANG=ENU       DFT STC LID=ACFSTCID     DYNAMIC COMPILE=DISABLED
ETRUST AUDIT=DISABLED    JOB CHECK=NO             KERBLVL(0)
LDS=DISABLED             NAME-HIDING=NO           LID WARN DAYS=1
MAX VIO PER JOB=10       NON-VSAM ERASE=NO        NOSORT=NO
RPTSCOPE=OFF             RULELONG=DISABLED        STC OPTION=ON
SYSPLEX=DISABLED
SYSPLEX ALTERNATE STRUCTURE NAME=N/A               SYSPLEX PRIMARY STRUCTURE NAME=N/A
TAPE BLP=NOLOG           TAPE DSN=NO              TEMPDSN=BYPASS
TNG MONITOR=DISABLED     UADS=BYPASS              VSAM ERASE=NO
VTAM OPEN=NO             XAPPLVLD=NO              XCF GROUP NAME=N/A
```

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Our Power User Group Update

Products	Training	Download	Support	NewEra
SAE IFO	SAE IFO	SAE IFO	SAE IFO	Contact Us About Us
	What's New			

SAE is The Stand Alone Recovery Environment.

IFO is The Image FOCUS Control Environment.

000 0 0 0 0 0

Customer Number

Hot Topics:

- SAE - Need help? We'll be there for you
- IFO - Valuable in Disaster Recovery Test
- Redbook/Redpaper - About Image Focus
- Evaluators - Download Image FOCUS
- Evaluators - Download SAE & Fast DASD Erase
- Product Demonstrations and Web Training
- Power User Group - Presentation - 01.17.08

Your access point to the Standards and Best Practices needed to insure z/OS System Integrity.

NewEra Software, Inc. • info@newera.com • www.newera.com • 800-421-5035