



Configuring Health Checker for z/OS Hands-on Lab

Gordon Daniel NewEra Software, Inc. March 12, 2012 4:30 PM - Session Number 10601 March 13, 2012 – 9:30 AM - Session 10876



Introduction

Hopefully you have some knowledge of the Health Checker and what it does. If not, then you will learn quickly.

Basically, the Health Checker is a Started Task and you are going to configure it, start it, and direct some operator commands to it, just like any other Started Task.

Have fun here and go back and try it on your own system!

Hardware and Software for this Lab

- Lenovo W520 Laptop w/8G of real, 4 Intel cores (i7-2860QM) (located off site)
- Internal Hard drive ½ TB + external ESATA drive 1.0 TB (both 7200 RPM)
- OpenSuse 11.4 Linux as the laptop OS
- IBM zPDT software with one CP license
- z/VM 6.1
- Up to 10 z/OS V1R11 virtual machines for this LAB

Agenda

Workstation Setup

- TN3270 #1 MVS Console
- TN3270 #2 TSO Terminal
- Edit Health Checker Started Task Procedure (HZSPROC)
- Allocate Health Checker persistent data set
- Setup Security rules
- Start the Health Checker address space
- Review the Checks
- Issue MVS commands
- Use SDSF Health Checker panels

Agenda

- Health Checker Log
- Temporarily altering a specific Health Check
- Permanently altering a specific Health Check
- Review the details of a specific Health Check
- Stopping the Health Checker address space
- References
- Questions for the presenter

Workstation Setup

- You have your own z/OS Virtual Machine ZSHRx The x value will be given to you by the instructor. Write it down here: _____
- Make sure you have two 3270 sessions open on the workstation with a z/VM Logo.
 - On the first z/VM session, type ZSHRx for the userid and SHRx for the password.
 - On the other z/VM session, skip down to the command field and type DIAL ZSHRx.
- The next slide will show what you should see.

Workstation Setup

MVS Console

TSO terminal

D Session A - Local. WS - [43 x 80]		D Session B - Local. WS - [24 x 80]
File Edit View Communication Actions Window Help		File Edit View Communication Actions Window Help
FOMN0090 *:login/tcp: socket: EDC5112I Resource temporarily unavailable., rsn:112800B5 rsn:12800B5		z/OS Z111S Level 1003 IP Address = VTAM Terminal = LCL701
FOMN8090 *:otelnet/tcp: socket: EDC5112I Resource temporarily unavailable., rsn=11280806		Application Developer System
12.32.03 STC00016 BPXF024I (DMVSKERN) Feb 24 12:32:03 inetd 65542 FOMN0090 *:login/tcp: socket: EDC5112I Resource temporarily unavailable.,	•	// 0000000 SSSSS // 00 00 SS
rsn=11280885 12.32.03 STC00016 BPXF024I (DMVSKERN) Feb 24 12:32:03 inetd 65542 FOMN0090 X:otelaet/top: socket: EDC5112I Resource temporarily unavailable	:	zzzzzz // 00 00 SS zz // 00 00 SSSS
rsn=11280086 12.35.03 STC00016 BPXF024I (OMVSKERN) Feb 24 12:35:03 inetd 65542 F0MN8090	÷	zz // 00 00 SS zz // 00 00 SS
*:login/tcp: socket: EDC5112I Resource temporarily unavailable., rsn=11280086 12.35.03 STC00016 BPXF024I (OMVSKERN) Feb 24 12:35:03 inetd 65542		zzzzzz // UUUUUUU SSSS
FOMN8090 *:otelnet/top: socket: EDC5112I Resource temporarily unavailable., rsn=11280086		System Customization - ADCD.Z111S.*
FOMN8090 *:login/top: socket: EDC5112I Resource temporarily unavailable.,		
12.38.03 STC00016 BPXF024I (DMVSKERN) Feb 24 12:38:03 inetd 65542 FOMN0090	:	===> Enter "LOGON" followed by the TSO userid. Example "LOGON IBMUSER" or
rsn=11280086 00 12.41.03 STC00016 BPXF024I (OMVSKERN) Feb 24 12:41:03 inetd 65542 FDMNAR9A	:	<pre>==> Enter L followed by the APPLID ===> Examples: "L TSO", "L CICS", "L IMS3270"</pre>
*:login/top: socket: EDC5112I Resource temporarily unavailable., rsn=11280886 12.41.83 STC00816 BPXE024I (OMVSKERN) Feb 24 12:41:83 inetd 65542		
FOMN0090 *:otelnet/tcp: socket: EDC5112I Resource temporarily unavailable., rsn=11280865		MA b 24/001
IEE612I CN=L760 DEVNUM=0700 SYS=ADCD		Unnected to remote server/nost 192.108.251.5 using port 32/1/HP LaserJet 1020 on USBUU1
IEE163I MODE= RD		

P Connected to remote server/host 192.168.251.5 us HP LaserJet 1020 on USB001

Health Checker Configuration

On the TSO Terminal

- Type TSO and hit Enter
- On the Logon Screen
 - ADCDMST is the USERID
 - SHRx is the Password,

where x is the value given to you

Copy members HZSALLCP, HZSPRINT, and HZSPROC from SYS1.SAMPLIB to USER.PROCLIB

🛡 Se	ssion	B - L	ocal.WS - [43 x 8	0]			
File	Edit	View	Communication	Actions	Window Help		
M		Eun	ctions <u>U</u> tilit	ies <u>H</u> e			
COP	Y mand	;	SYS1.SAMPLIB		TO USER. PROCLIB	R	ow 00840 of 01258 Scroll ===> PAGE
: #	Name ZSALI ZSMS(LCP : GNJ	*COPIED	Size			ID
- H H H	ZSPRI ZSPRI ZSSAI	INT DC DCK	*COPIED *COPIED				

Allocate the HZSPDATA dataset

- Edit member HZSALLCP in USER.PROCLIB
 - Change Line //HZSPDATA 'system_name' to 'ADCD'
 - The result should look like:

Submit the JOB and check the output with SDSF.
 SDSF can be accessed via the "M" option on the ISPF
 Primary Option Menu

Security Setup

The RACF definitions for the Health Checker and SDSF have been built for you for this lab. Since the lab system is your own sandbox we are going to let the user ADCDMST do just about everything. For your systems back home you really need to review the security definitions carefully.

- Submit member BATHCK in USER.PROCLIB to do the RACF definitions for the Health Checker.
- Review the output from BATHCK for success.
- Submit member BATSDSF in USER PROCLIB to do the RACF definitions for SDSF. The EXEC issued by this job is based on member ISFRAC which can be found in ISF.SISFEXEC.

• Review the output from BATSDSF for success.

Starting the Health Checker

Use the MVS Console to start the Health Checker.

Session A - Local. WS - [43 x 80] File Edit View Communication Actions Window Help rsn=11280086 17.09.09 STC00016 BPXF024I (OMVSKERN) Feb 25 17:09:09 inetd 65542 : F0MN0090 *:otelnet/top: socket: EDC5112I Resource temporarily unavailable., rsn=11280086 17.12.09 STC00016 BPXF024I (OMVSKERN) Feb 25 17:12:09 inetd 65542 : F0MN0090 *:login/top: socket: EDC5112I Resource temporarily unavailable., rsn=11280086 17.12.09 STC00016 BPXF024I (OMVSKERN) Feb 25 17:12:09 inetd 65542 : F0MN0090 *:otelnet/top: socket: EDC5112I Resource temporarily unavailable., rsn=11280086 17.15.09 STC00016 BPXF024I (OMVSKERN) Feb 25 17:15:09 inetd 65542 : *:login/top: socket: EDC5112I Resource temporarily unavailable., rsn=11280086 17.15.09 STC00016 BPXF024I (OMVSKERN) Feb 25 17:15:09 inetd 65542 : *:otelnet/tcp: socket: EDC5112I Resource temporarily unavailable., rsn=11280086 17.18.09 STC00016 BPXF024I (OMVSKERN) Feb 25 17:18:09 inetd 65542 : F0MN0090 *:login/tcp: socket: EDC5112I Resource temporarily unavailable., rsn=11280086 17.18.09 STC00016 BPXF024I (OMVSKERN) Feb 25 17:18:09 inetd 65542 : *:otelnet/tcp: socket: EDC5112I Resource temporarily unavailable., rsn=11280086 17.21.09 STC00016 BPXF024I (OMVSKERN) Feb 25 17:21:09 inetd 65542 : F0MN0090 *:login/top: socket: EDC5112I Resource temporarily unavailable., rsn=11280086 17.21.09 STC00016 BPXF024I (OMVSKERN) Feb 25 17:21:09 inetd 65542 : F0MN0090 *:otelnet/tcp: socket: EDC5112I Resource temporarily unavailable., rsn=11280086 631 MODE: RD 41/012

Health Checker Messages on the Console

Note the critical Health Checks are shown in red. These indicate that these messages will remain on the console until deleted.

> 1.23 SICOSOID HESSOOII CHECK(IDHEDSE,EDSE_SHSEDSEI). IGWPH0101E Check PDSE SMSPDSE1,the restartable SMSPDSE1 address space is not active. *17.57.26 STC00018 *HZS0003E CHECK(IBMXCF,XCF CDS SPOF): *IXCH0242E One or more couple data sets have a single point of failure. 17.57.26 STC00018 HZS0002E CHECK(IBMASM,ASM PLPA COMMON SIZE): ILRH0105E PLPA/Common page data set size is below recommended value 17.57.26 STC00018 HZS0001I CHECK(IBMASM,ASM_NUMBER_LOCAL_DATASETS): ILRH0101E Number of local page data sets is below recommended value 17.57.25 STC00018 HZS0002E CHECK(IBMXCF,XCF TCLASS CLASSLEN): IXCH0420E Transport class definitions do not provide sufficient size searegation. 17.57.26 STC00018 HZS0001I CHECK(IBMRSM,RSM REAL): IARH101E V=R Storage is Defined 17.57.29 STC00018 HZS0001I CHECK(IBMCSV,CSV LNKLST SPACE): CSVH0980E Some LNKLST sets include data set(s) allocated with secondary space defined. *17.57.30 STC00018 *HZS0003E CHECK(IBMRACF,RACF_SENSITIVE_RESOURCES): *IRRH204E The RACF_SENSITIVE_RESOURCES check has found one or *more potential errors in the security controls on this system. 18.00.10 STC00016 BPXF024I (OMVSKERN) Feb 25 18:00:10 inetd 65542 : F0MN0090 *:login/top: socket: EDC5112I Resource temporarily unavailable., rsn=11280086

Displaying Check Details on the Console using the MVS Modify Command

Let's look at the details for the first one by entering:

f hzsproc,display,checks,check=(IBMXCF,XCF_CDS_SPOF),details

CHECK(IBMXCF,XCF CDS SPOF) STATE: ACTIVE(ENABLED) STATUS: EXCEPTION-HIGH EXITRTN: IXCHCADC LAST RAN: 02/25/2011 17:57 NEXT SCHEDULED: 02/25/2011 18:57 INTERVAL: 1:00 EXCEPTION INTERVAL: SYSTEM SEVERITY: HIGH WTOTYPE: CRITICAL EVENTUAL ACTION SYSTEM DESCCODE: 11 THERE ARE NO PARAMETERS FOR THIS CHECK Ensure that couple data sets are configured REASON FOR CHECK: without single points of failure. MODIFIED BY: N/A DEFAULT DATE: 20070730 ORIGIN: HZSADDCK LOCALE: HZSPROC DEBUG MODE: OFF VERBOSE MODE: NO

More Modify Commands

The reason for the check is that your Couple Datasets are all on the same volume. You may issue a D XCF,COUPLE command on the MVS console and see that the datasets are all on SBRES2.

Separation of the Couple Datasets is critical for a production system, but this is your sandbox with a limited number of DASD volumes available. Let's say you want to keep the check as a reminder, but don't want it to clutter up your console. You can change the check's WTO options so the message will not remain in red on the console.

Issue the command:

f hzsproc,update,check=(IBMXCF,XCF_CDS_SPOF),wtotype=informational

This won't take effect until the check runs again, but we can run it now by this command: f hzsproc,run,check=(IBMXCF,XCF_CDS_SPOF)

Take a look at the MVS Console now and you will see the check is no longer red.

Using SDSF to Control the Health Checker

SDSF is the spool output processor on this system. You may use a different software product on your system back home. If you do, then check the documentation for that software to see how it supports the Health Checker.

To access SDSF select the "M" option on the ISPF Primary Option Menu and then select "5" to enter SDSF.

Bession A - Local. WS - [43 x 80]						
File Edit View Communication Actions Window	Help					
_ <u>D</u> isplay <u>F</u> ilter ⊻iew <u>P</u> rint <u>O</u> ptions	<u>H</u> elp					
HQX7760 SDSF PRIMARY COMMAND INPUT ===>	OPTION MENUSCROLL ===> PAGE					
DA Active users I Input queue O Output queue H Held output queue ST Status of jobs LOG System log SR System requests MAS Members in the MAS JC Job classes SE Scheduling environments RES WLM resources ENC Enclaves PS Processes	INIT Initiators PR Printers PUN Punches RDR Readers LINE Lines NODE Nodes SO Spool offload SP Spool volumes RM Resource monitor CK Health checker ULOG User session log					
END Exit SDSF						
Licensed Materials - Property of IBM						

SDSF CK Command

- 1. Enter "CK" to view the Health Check Panel. This shows all of the active Health Checks.
- 2. Press PF1 to get the Health Check Help Panel.
- 3. Enter "2" to view the CK command syntax.
- 4. Press ENTER to view the format of the CK command.

```
HELP: Health Checker Panel -- CK Command Panel 2 of 3

COMMAND INPUT ===>

Format: CK (category|E|EH|EM|EL|EN|D|ALL)

with no parameters displays active checks.

category shows only checks for that category. The value

can include * (any string of characters) or %

(any single character).

E displays all exception checks, with these variations:

EH - exception-high

EM - exception-medium

EL - exception-low

EN - exception-none

D displays deleted checks.

ALL displays deleted as well as active checks.
```


Display only Checks with Exceptions using SDSF "CK E" Command

- 1. Press PF3 to return to the previous panel.
- 2. Enter "CK E" on the command line. This will list just the Health Checks with Exception Status.

SDSF HEALTH CHECKER DISPLAY ADCD		LINE 1-19 (19)	
COMMAND INPUT ===>		SCROLL =	==> PAGE
NP NAME	CheckOwner	State	Status
ASM NUMBER LOCAL DATASETS	IBMASM	ACTIVE(ENABLED)	EXCEPTIO
ASM PLPA COMMON SIZE	IBMASM	ACTIVE(ENABLED)	EXCEPTIO
CEE USING LE PARMLIB	IBMCEE	ACTIVE(ENABLED)	EXCEPTIO
CNZ AMRE EVENTUAL ACTION MSGS	IBMCNZ	ACTIVE(ENABLED)	EXCEPTIO
CNZ CONSOLE ROUTCODE 11	IBMCNZ	ACTIVE(ENABLED)	EXCEPTIO
CSV LNKLST SPACE	IBMCSV	ACTIVE(ENABLED)	EXCEPTIO
CSVTAM VIT DSPSIZE	IBMCS	ACTIVE(ENABLED)	EXCEPTIO
PDSE SMSPDSE1	IBMPDSE	ACTIVE(ENABLED)	EXCEPTIO
RACF IBMUSER REVOKED	IBMRACE	ACTIVE(ENABLED)	EXCEPTIO
RACF SENSITIVE RESOURCES	IBMRACE	ACTIVE(ENABLED)	EXCEPTIO
RACF TAPEVOL ACTIVE	IBMRACE	ACTIVE(ENABLED)	EXCEPTIO
RACF TEMPDSN ACTIVE	IBMRACE	ACTIVE(ENABLED)	EXCEPTIO
RACE UNIXERIV ACTIVE	IBMRACE	ACTIVE(ENABLED)	EXCEPTIO
RSM REAL	IBMRSM	ACTIVE(ENABLED)	EXCEPTIO
RTM IEAVTRML	IBMRTM	ACTIVE(ENABLED)	EXCEPTIO
TSOE USERLOGS	IBMTSOE	ACTIVE(ENABLED)	EXCEPTIO
USS MAXSOCKETS MAXFILEPROC	IBMUSS	ACTIVE(ENABLED)	EXCEPTIO
XCE CDS SPOE	IBMXCE	ACTIVE (ENABLED)	EXCEPTIO
XCE TCLASS CLASSLEN	IBMXCE	ACTIVE (ENABLED)	EXCEPTIO

SDSF CK Command / Syntax

Enter "CK EH" to show only the Health Checks with high-severity Exceptions.

SDSF HEALTH CHECKER DISPLAY ADCD COMMAND INPUT ===>		LINE 1-2 (2) SCROLL	===> PAGE
NP NAME	CheckOwner	State	Status
RACF_SENSITIVE_RESOURCES	IBMRACF	ACTIVE(ENABLED)	EXCEPTIC
XCF_CDS_SPOF	IBMXCF	ACTIVE(ENABLED)	EXCEPTIC

- 1. Press PF1 to view the HELP Panel.
- 2. Enter "3" to get the syntax of the Action Characters.

Action characters that can be entered in the NP column by authorized users are: Block repeat; type // on the first row and 11 another // on the last row to be processed Repeat previous action character or overtype = Expand the NP column. (Use RESET to reset.) + A. Activate D. Display DL Display long DP. Display policies DPO Display policies that are outdated and not applied DS. Display status E Refresh H. Deactivate

SDSF Health Check Line Commands

Enter "DL" on the line with XCF_CDS_XPOF. DL means "Display Long".

SDSF HEALTH CHECKER COMMAND INPUT ===>	DISPLAY ADCD		LINE 1-2 (2) SCROLL	===> PAGE
NP NAME	RESOURCES	CheckOwner	State	Status
RACF_SENSITIVE_		IBMRACF	ACTIVE(ENABLED)	EXCEPTIO
DL XCF_CDS_SPOF		IBMXCF	ACTIVE(ENABLED)	EXCEPTIO

SDSF Display Check Details

You should see the following output. Note how this looks very much like the MVS Console output of:

f hzsproc,display,checks,check=(IBMXCF,XCF_CDS_SPOF),details

HZS02011 23.59.55 CHECK DETAIL 109 CHECK(IBMXCF,XCF_CDS_SPOF) STATE: ACTIVE(ENABLED) STATUS: EXCEPTION-HIGH EXITRIN: IXCHCADC NEXT SCHEDULED: 03/01/2011 00:10 LAST RAN: 02/28/2011 23:10 INTERVAL: 1:00 EXCEPTION INTERVAL: SYSTEM SEVERITY: HIGH WTOTYPE: CRITICAL EVENTUAL ACTION SYSTEM DESCCODE: 11 THERE ARE NO PARAMETERS FOR THIS CHECK REASON FOR CHECK: Ensure that couple data sets are configured without single points of failure. MODIFIED BY: N/A DEFAULT DATE: 20070730 ORIGIN: HZSADDCK LOCALE: HZSPROC DEBUG MODE: OFF VERBOSE MODE: NO

SDSF CK Command Scrolling

- 1. On the command line Enter "CK EH" again to view those checks.
- 2. You can scroll to the right using PF11 to view more information about the checks. Press PF11 three times and you will see "TOType" on the header line. Type "1" in the Command Input and press PF10 to scroll back one column and you should see this:

Note the indication that our earlier MVS console Modify Command changed the WTOType.

Temporary Check Alteration and Running using SDSF

- 1. Press PF11 a few times while you look at the information that is displayed. Note that the green fields are input fields that you are allowed to change.
- 2. Press PF10 to scroll back to the left until you return to the WTOType field.
- 3. Overtype the INFO with CRITICAL and Press Enter.

```
SDSF HEALTH CHECKER DISPLAY ADCDLINE 1-2 (2)<br/>SCROLL ===> PAGE<br/>SCROLL ===> PAGE<br/>NP NAME<br/>RACF_SENSITIVE_RESOURCES<br/>XCF_CDS_SPOFWTOType<br/>CRITICAL<br/>CRITICAL<br/>CRITICAL<br/>MODIFY COMMAND
```

Just as in the MVS console command the WTOType has been changed, but it won't take effect until the next time the check runs. You can run it now by typing an "R" in the NP field next to the check and Press Enter. Now look at the MVS Console and you will again see the messages for that Health Check in red.

Printing Health Check Results via a Batch JOB

The HZSPRNT utility may be used to print the results of Health Checks with a batch job.

Go back and Edit USER.PROCLIB again.

- 1. Select member HZSPRINT.
- 2. Scroll down to the //HZSPRINT EXEC PGM=HZSPRNT line.
- 3. You have several options to use; most are commented out.
- 4. Let's print all of the Health Checks that have Exceptions.
- 5. Change the data to look like this:

//HZSPRINT EXEC PGM=HZSPRNT,TIME=1440,REGION=0M,

// PARM=('CHECK(*,*)','EXCEPTIONS')

Submit the job. Review the output with SDSF.

Making Permanent Modifications to Checks

We are going to make the temporary change that we made earlier to the WTOTYPE a permanent change. Create a new member, HZSPRM01, in USER.PARMLIB with the following contents:

Making Changes to Checks Permanent: Adding new Parmlib Member

Activate the new member using the Health Checker Modify Command on the MVS Console using this command:

f hzsproc,add,parmlib=01

You should see the following response:

00- 22.07.22 F HZSPROC,ADD,PARMLIB=01 22.07.22 STC00028 HZS0403I ADD PARMLIB PROCESSING HAS BEEN COMPLETED IEE612I CN=L700 DEVNUM=0700 SYS=ADCD -

IEE163I MODE= RD

Making Changes to Checks Permanent: Updating the Health Checker Proc

To make the Health Checker use this new Parmlib Member in addition to the default HZSPRM00 member when the Health Checker is restarted, the PROC must be updated. Edit HZSPROC in USER.PROCLIB and change the HZSPARM value from 00 to (00,01). See below:

Now let's stop and restart the Health Checker to make sure the change is permanent.

Stopping the Health Checker

On the MVS Console Enter "P HZSPROC". Watch the Health Checker wait for all the Checks to terminate prior to ending.

Restart the Health Checker and Verify the Change

On the MVS Console Enter "S HZSPROC". Wait a few seconds for the Checks to complete. Let's look at the details to verify that our change worked by entering:

f hzsproc,display,checks,check=(IBMXCF,XCF_CDS_SPOF),details

25.30 hzsproc.display.checks.check=(IBMXCF.XCF CDS SPOF) 25.30 STC00028 HZS0201I 22.25.30 CHECK DETAIL 498 IBMXCF,XCF_CDS_SPOF) STATUS: EXCEPTION-HIGH ACTIVE(ENABLED) IXCHCADC 03/01/2011 21:56 NEXT SCHEDULED: 03/01/2011 22:56 INTERVAL: SYSTEM HIGH WTOTYPE: INFORMATIONAL: FEM DESCCODE: 12 THERE ARE NO PARAMETERS FOR THIS CHECK Ensure that couple data sets are configured REASON FOR CHECK: without single points of failure. FIED BY: STMT(POL1) FOR UPDATE: CHANGE WTO T DATE: 20070730 USER DATE: 20110228. ORIGIN: HZSADDCK LOCALE: HZSPROC DEBUG MODE: OFF VERBOSE MODE: NO DEVNUM=0700 SYS=ODCI

Free Time

If you have time go back to the HZSPRINT output and look at the RACF Sensitive Resource Check. This type of check contains reports in addition to the normal check output. These are important checks that show potential integrity exposures.

Feel free to look at some of the other Health Checks.

Reference: BATHCK JOB

```
EDIT
     USER.PROCLIB(BATHCK) - 01.00
                                       Columns 00001 00072
                                 Scroll ===> PAGE
Command ===>
          000100 //BATHCK JOB (),
          CLASS=A.
000200 //
          MSGCLASS=X,
000300 //
          MSGLEVEL=(1,1),
000400 //
000500 // NOTIFY=&SYSUID,
000600 // TIME=1440
000610 //*
000620 //* SETUP AUTHORIZATIONS FOR HEALTH CHECKER
000630 //*
000640 //S1 EXEC PGM=IKJEFT01
000800 //SYSPRINT DD SYSOUT=*
000900 //SYSTSPRT DD SYSOUT=*
001000 //SYSTERM DD DUMMY
001100 //SYSUADS DD DSN=SYS1.UADS,DISP=SHR
001200 //SYSLBC DD DSN=SYS1.BRODCAST, DISP=SHR
001300 //SYSTSIN DD *
001400 RDEFINE XFACILIT HZS.** UACC(NONE)
001500 PERMIT HZS.** CLASS(XFACILIT) ID(ADCDMST) ACCESS(CONTROL)
001600 PERMIT HZS.** CLASS(XFACILIT) ID(IBMUSER) ACCESS(CONTROL)
001700 SETROPTS REFRESH RACLIST(XFACILIT)
```


Reference: BATSDSF JOB

Columns 00001 00072 EDIT USER.PROCLIB(BATSDSF) - 01.02 Scroll ===> PAGE Command ===> 000100 //BATSDSF JOB (), 000200 // CLASS=A, 000300 // MSGCLASS=X, 000400 // MSGLEVEL=(1,1),000500 // NOTIFY=&SYSUID. 000600 // TIME=1440 000610 //* 000620 //* SETUP AUTHORIZATIONS FOR SDSF 000630 //* 000700 //S1 EXEC PGM=IKJEFT01 000800 //SYSPRINT DD SYSOUT=* 000802 //SYSTSPRT DD SYSOUT=* 000803 //SYSTSIN DD * 000804 EX 'ADCDMST.EXEC(ISFRAC)' L

Reference List

- 1. IBM Health Checker for z/OS User's Guide
- 2. Exploiting the IBM Health Checker for z/OS Infrastructure (IBM Redpaper see <u>www.redbooks.ibm.com</u>)
- Configuring the z/OS UNIX Health Checks and Exploiting UNIX REXX Functions (a very good introduction to the Health Checker in general – see SHARE proceedings from 2008 San Jose)
- 4. Lots more on Google

Follow Up

If you have any questions and you wish to contact me:

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I will be happy to try to answer any questions!

