

Generating HCD Charts in HTML Format

HCD can use either GDDM or DCF to generate a graphical report. Both of those IBM products are costly and there is an alternative. AT&T contributed to the user community in 2001 a tool called B2H, short for Bookmaster to HTML where Bookmaster was a superset of DCF tags.

This process will work for all of the HCD Graphical reports:

1st get into HCD and select option 4:

```
z/OS V2.2 HCD
Command ==>
CBDC099 Copyright IBM Corp. 1990, 2015.
Hardware Configuration

Select one of the following.
4 0. Edit profile options and policies
   1. Define, modify, or view configuration data
   2. Activate or process configuration data
   3. Print or compare configuration data
   4. Create or view graphical configuration report
   5. Migrate configuration data
   6. Maintain I/O definition files
   7. Query supported hardware and installed UIMs
   8. Getting started with this dialog
   9. What's new in this release

For options 1 to 5, specify the name of the IODF to be used.
I/O definition file . . . 'SYS3.IODF00' +
```

Then select one of the reports and enter an output dataset name:

Create or View Graphical Configuration Report

Select the type of report you want, and specify the values below.

IODF name : 'SYS3.IODF00'

Type of report 2

1. LCU report
2. CU report
3. CHPID report
4. Switch report
5. CF connection report

Processor ID + (for an LCU or a CHPID report)

Partition name + (to limit an LCU or a CHPID report)

Output data set 'T311LBD.IODF.CU.REPORT'

Output 1

1. Write to output data set
2. *View

* = requires GDDM

In this example option 2 is select to generate the CU report. The output data set contains the string CU to help identify it as the CU report. Note that B2H will change the last qualifier (e.g. .REPORT) to .HTML when it generates the HTML report so having the report type as the next to last qualifier provides a visual indicator.

Next select the options for the report:

```
z/OS V2.2 HCD
Define Report Layout

Specify the values below for report type: CU

Include index . . . . . 1  1. Yes    Include partitions . 1  1. Yes
                        2. No      2. No

Include CTC, CF CUs . 1  1. Yes    Only for a CU or CHPID report:
                        2. No      Include switches . . 1  1. Yes
                                   2. No      2. No

Show CU . . . . . 2  1. Serial number
                        2. Description

To limit a CU report, specify only one of the following:
Range . . . . . ____ - ____
Type . . . . . ____ +
Group . . . . . ____ +
```

And the report will be created. Here is a ISPF 3.4 (DSLISIT) of the generated report:

```
Menu Options View Utilities Compilers Help
-----
DSLISIT - Data Sets Matching T311LBD.IODF                      Row 1 of 1
Command ==> _____ Scroll ==> CSR

Command - Enter "/" to select action                          Message          Volume
-----
T311LBD.IODF.CU.REPORT                                         2INT0B
***** End of Data Set list *****
```

Next on the row enter the b2h command thus:

```
Menu Options View Utilities Compilers Help
-----
DSLIST - Data Sets Matching T311LBD.IODF                               Row 1 of 1
Command ==> _____ Scroll ==> CSR

Command - Enter "/" to select action                                Message          Volume
-----
b2h / (toc=no noindex quiet title="AITC CU Report"                  2INT0B
***** End of Data Set list *****
```

The options are:

b2h is the command to invoke b2h

/ indicates to use the dataset name on the row

(indicates that options for b2h follow:

toc=no disable the creation of a table of contents as there is none for this file

noindex disables the creation of an index as there is nothing to index

quiet turns off warning messages – most are meaningless because of DCF tag issues that b2h doesn't handle and which are not useful for our purposes

title defines the title that will be put into the HTML generated file

Typing REF (refresh) on the DSLIST command line will show the generated HTML file:

```
Menu Options View Utilities Compilers Help
-----
DSLIST - Data Sets Matching T311LBD.IODF                               Row 1 of 2
Command ==> _____ Scroll ==> CSR

Command - Enter "/" to select action                                Message          Volume
-----
T311LBD.IODF.CU.HTML                                              2INT0C
T311LBD.IODF.CU.REPORT                                           2INT0B
***** End of Data Set list *****
```

Browsing that HTML file will demonstrate that it is in HTML format:

[illegible]

To send the HTML file to your PC you can use Attachmate file transfer or e-mail.

To e-mail enter SENDFILE in the command area on the DSLIST row with the HTML dataset.

```
----- E-Mail Dialog 16.11 -----
Command ===> █

To Address    ===> 
CC Address    ===> 
BCC Address   ===> 
AddressFile   ===> 
Subject       ===> iodf cu html

Message/DS/DD/*/? ===>
Edit Message DSN ===> Yes or No

Attachment DSN/DD/? ===> 'T311LBD.IODF.CU.HTML'
File Name in e-Mail ===> cu.html
Format (?=prompt) ===> html
Settings      ===> Yes or No

Configuration File ===>
Default Settings ===> Yes or No to set From, ReplyTo, etc.
Delivery Settings ===> Yes or No (FollowUp, Import, Prior, Sens,
Respond, and StartTLS)
Execution Mode  ===> ISPF I ISPF B Batch C Config P Prompt D Debug

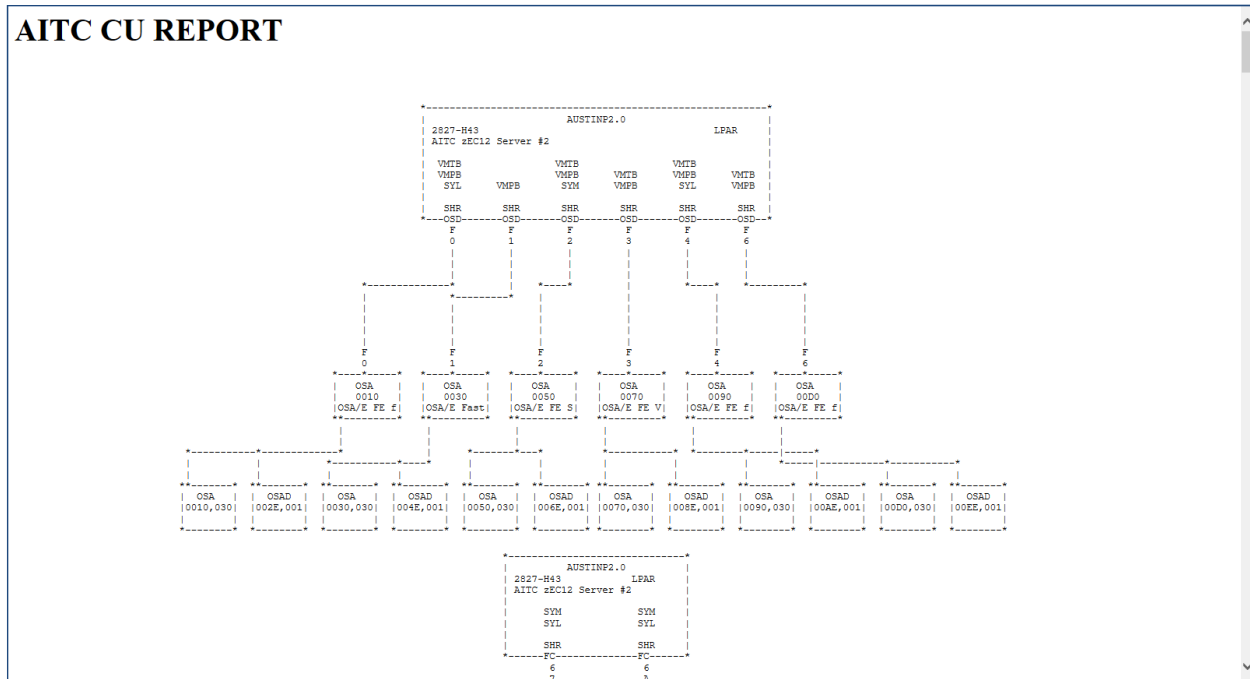
Field level help available via PF1
```

Fill in the To address (I always bcc myself on all mainframe e-mails but you do not need to). Fill in the Subject so you can identify the e-mail. The Attachment DSN will be pre-filled in. You should make the format HTML and the File Name can be filled in or left blank.

It will then arrive in your inbox:

Search Inbox (Ctrl+E)					
!	🔔	📧	From	Subject	Received
▲ Date: Today					
📧			lionel.dyck@	iodf cu html	Mon 7
!			OIT ITOPS (00...	Change to GOOD Application	Mon 7

And when you open it you will see the report:



Appendix

The elements of B2H are:

B2H The rexx program. Found in SYS1.AUS1.EXEC and SYS1.AUS2.EXEC

Datasets:

EXCUTL.B2H.HLP

EXCUTL.B2H.PRO

EXCUTL.B2H.SYM

Source for this package can be found at: <http://www.vm.ibm.com/download/packages/descript.cgi?B2H>

Several changes were made to the B2H REXX coding and to the .SYM file for this project.