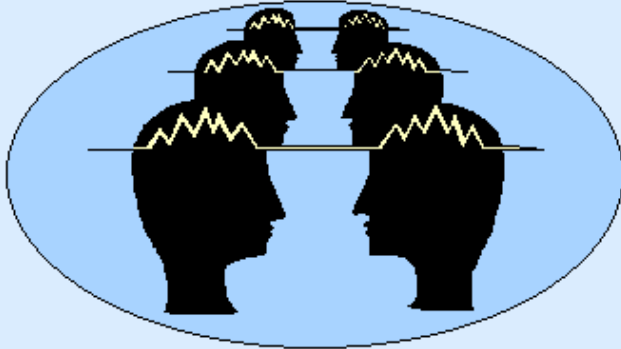


# Knowledge Flow Corp.



## HCD Import

**Increase Data Validation Accuracy  
Decrease Database Maintenance Time & Cost  
Save Time Configuring New Assets**

**OBTAIN's** HCD Import Utility is a validation tool to compare your HCD IODF files against your OBTAIN assets configuration. It can also be used to quickly import the CHPID types, LPAR mapping, PCHID mapping and Director Allowed for new processors.

Although HCD contains an API interface, IBM has not made it public, leaving Knowledge Flow Corp. unable to automate a two-way interaction with the valuable IODF data. As the next best option, we have designed the OBTAIN HCD Import to read HCD reports, extract the data and build a "parallel" database of partitions, CHPIDs, logical connectivity.

### **File Requirements**

The HCD Import uses the following HCD Reports:

- Processor Summary
- Processor Report
- Channel Path Summary
- Channel Path Detail

All reports must be contained in a single IODF/text file in the order listed for the HCD Import utility to function correctly. If each report is in a separate file, the individual reports must be compiled again into a single file before an HCD Import may be attempted.

### **Report Configuration**

Since there are a variety of possible permutations of HCD Reports, the content of the HCD IODF file must be configured manually before an import can be attempted. Primarily, the column types and spacing must be verified.

It is easiest to verify the report configuration if a copy of the IODF is open in a text editor such as Notepad, making it easier to view the order of the columns and judge the spacing. After the column spacing has been set, OBTAIN will verify the new configuration's accuracy.

If multiple IODF files will be used for the HCD Import, the configuration of one IODF may be copied and used by another file.

### **Data Reconciliation**

The data in the IODF file can be filtered, to include only data for a specific system or data that matches a specified address range (up to 6 address ranges may be used in filtering).

A reconciliation process compares the IODF file and existing OBTAIN data and displays the results in several dialogs:

### **CHPIDs**

On the CHPID Hosts dialog, the partitioning and host configuration information for the selected processor is displayed. The names of each LPAR are displayed along the left side of the list box, with the data for each host image contained on its own line.

The CHPIDs installed in the processor in OBTAIN only are represented by a green 'O', the CHPIDs installed in the processor according to the HCD report are represented by a red 'H' and the CHPIDs that are represented in both OBTAIN and in the HCD report are assigned a green 'B'. CHPIDs that are installed neither in OBTAIN or the HCD report are represented by a green 'x'.

CHPIDs that are represented only in the HCD file (i.e. those represented by an 'H') can be imported into OBTAIN, individually or as a group, simply by clicking on the desired H-designated CHPIDs or by using the "Import All" toggle. The values will change to match the HCD data; a click of the Update button completes the import! Your OBTAIN data will now match your HCD report data.

## **CHPID Types**

On the CHPIDs dialog, data for a selected processor is divided into two sections: CHPID Types and Configuration Types.

CHPID Type data is displayed at the top of the window: the CHPID Types for all CHPIDs installed in the processor in OBTAIN are represented on one line, while those assigned in the HCD report are represented on another.

The configuration type section is displayed below the CHPID Types data. Again, a separate line of information is displayed for the OBTAIN and HCD data. There are three options available:

'REC' (reconfigurable),  
'SHR' (shared)  
'--' (indicates reconfigurable does not apply)

Any discrepancies on the OBTAIN side of the data are represented in red. The differences can be rectified by importing the HCD report values, either by selecting them individually or by using an "Import All" toggle. The values will change to match the HCD data; a click of the Update button completes the import! Your OBTAIN data will now match your HCD report data.

## **Switches**

The switches window allows you to import Director Alloweds from the HCD report into your OBTAIN.

Two lines of data are displayed for each port defined in the switch: one featuring all of the Alloweds indicated in the HCD report and another featuring all Alloweds currently assigned in OBTAIN. (If no Alloweds have been assigned, two dashes will be displayed).

When the values for the Allowed paths definitions differ between the HCD files and the OBTAIN database, the HCD values may be imported into the OBTAIN database. The differences can be rectified by importing the HCD report values, either by selecting them individually or by using an "Import All" toggle. The values will change to match the HCD data; a click of the Update button completes the import! Your OBTAIN data will now match your HCD report data.

## **Time Saver**

The HCD Import can greatly reduce the time spent on data entry and data validation.

*"Based on my personal experience using OBTAIN with and without the HCD Import facility, I can tell you that the HCD Import facility reduces the time spent on input and validation of the data contained in the HCD report by a minimum of 50% (for a small report) and by as much as 90% (for a report containing all processors/LPARs in the data center).*

*A large part of the value added by HCD Import is the ease & automatic nature in maintaining accuracy in the database over time by so dramatically reducing both the time & drudgery required to go through the HCD data manually line by line. Assuming your HCD Report has been generated correctly you are ensured 100% accuracy using HCD Import. Without HCD Import your error rate climbs to whatever level of human error is introduced by various individual operators. I'm not sure that is a measurable average error rate but I guarantee it's a higher error rate than zero."*

*Dan Raines, MCSE  
Dynamic Consulting Resources LLC*