



HORIZONT

IWS/BatchCP - Product Presentation

Automation for the Current Plan

What is IWS/BatchCP?

IWS/BatchCP is an add on to IWS, it enables you to:

- IWS/BatchCP can modify the Current Plan in batch mode
- IWS/BatchCP can do mass updates

Who is using IWS/BatchCP?

IWS/BatchCP is useful to anybody working in an IWS environment, especially:

- Production Planning
- Operations
- ...

Without IWS/BatchCP

IWS's integrated mass update functions are no competition for IWS/BatchCP:

- The IWS mass update is complicated and incomplete
- Your own PIF or OCL program needs
 - maintenance for new IWS versions
 - manpower to implement requirements
 - documentation

With IWS/BatchCP

Insert, delete, modify or list

- Occurrences
- Operations
- Special Resources
- Dependencies
- JCL from the JS-file



execute IWS
dialog functions
in batch mode!

5.1

5.2

5.3

5.4

5.5

5.6

How IWS/BatchCP works

IWS/BatchCP is a “normal” program (no STC). It communicates with the IWS controller.

- IWS/BatchCP uses PIF (IWS Program Interface)
 - 100% secure
 - 100% reliable
- IWS/BatchCP can be used in
 - Batch programs (JCL)
 - Dialog programs (Clist, REXX)

Selection

IWS/BatchCP offers a wide range of selection functionality:

- Generic
 - Use wildcards * and % to select Occurrences, Operations, Special Resources...
- All data fields
 - Even undocumented IWS fields are supported, e.g. the Extended Status to search for Operations waiting for Special Resources
- Comparison Operators
 - Use comparison operators to search for Operations which are now active for more than one hour

Control Statements

* SEARCH CRITERIA

ADID=A*B*

Select Occurrences,
Operations, Special
Resources ...

* ACTION PARAMETER

RECORD=CPOC/CPOP/CPDEP/CPSR/JS

ACTION=INSERT/DELETE/MODIFY/LIST

... select the
desired action

* UPDATE PARAMETER

STATUS=C

... and specify new
values for the selected
objects

Some examples

The following three examples show you some of the capabilities of IWS/BatchCP:

- List all jobs which are now active for more than one hour
- List all jobs which are waiting for Special Resources
- Run cyclic jobs, for example every 15 minutes
- Use IWS/BatchCP and REXX in Operating

Example (1)

List all jobs which have been active for more than one hour.

```
* SEARCH CRITERIA
ADID=*
STATUS=S
OPAS_TO=ACTUAL-0100
* ACTION PARAMETER
RECORD=CPOP
ACTION=LIST
```

Time
variables!

Example (2)

List all Operations which are waiting for Special Resources

```
* SEARCH CRITERIA
ADID=*
OPXST=X
* ACTION PARAMETER
RECORD=CPOP
ACTION=LIST
```

IWS's
Extended
Status!

IWS/BatchCP via REXX

```
/* REXX SETOPCMH */  
ARG JOBNAME  
"ALLOC DD(PARMIN) DSN('HLQ.OCBBSP1') SHR REUSE"  
"ALLOC DD(EQQMLIB) DSN('SYS1.IWS.V2R1M0.SEQQMSG0') SHR REUSE"  
"ALLOC DD(EQQYPARM) DSN('HLQ.IWS.V2R1M0.EQQYPARM') SHR"  
"ALLOC DD(EQQMLOC) DSN(*) SHR REUSE"  
"ALLOC DD(SY  
"CALL 'OPCBA  
"FREE DD(PAR  
EXIT
```

File with
IWS/BatchCP
control cards

```
CUSTOMER=PARMJOB  
SECURITY_FLAG=N  
CONTINUE_ON_PIFERROR=Y  
* SEARCH CRITERIA  
...  
* ACTION PARAMETER  
RECORD=CPOC/CPOP/CPDEP/CPSR/JS  
ACTION=INSERT/DELETE/MODIFY/LIST  
* UPDATE PARAMETER  
...
```

Contents of the
file

Example (3)

IWS/BatchCP and REXX: Set Operations to MH (Manual Hold)

Instead of
hundred line
commands ...

The image shows two screenshots of a mainframe terminal window. The top screenshot shows a list of operations with a blue selection bar over the 'Application id' column. The bottom screenshot shows the same list after the command 'MH TESTMON#1' has been entered, with a blue selection bar over the 'Command' column. A list of row commands is also visible in the bottom screenshot.

```
----- MODIFYING OPERATIONS IN THE CURRENT PLAN ----- Row 1 of 8
>
GRAPH comma
HIST comman
of the foll
JCL
te Occurren
Browse operat
EXECUTE operati
L - Browse joblog

Row Application id
cmd
MH' TESTMON#1
MH' TESTMON#1
MH' TESTMON#1
MH' TESTMON#1
MH' TESTMON#2
MH' TESTMON#2
MH' TESTMON#2
*****
MA a
```

----- MODIFYING OPERATIONS IN THE CURRENT PLAN -----
Command ==> MH TESTMON#1_

Enter the GRAPH command above to view list graphically,
enter the HIST command to select operation history list
enter any of the following row commands:
J - Edit JCL M - Modifu
DEL - Delete Occurrence MH - Man HOLD MR
O - Browse operator instructions NP - NOP oper UN - UN-NOP oper
EX - EXECUTE operation D - Delete Oper RG - Remove from group
L - Browse joblog A - Catalog management actions

Row Application id Operat Jobname Input Arrival Dura- Opt Depen S Oper
cmd ws no. Jobname Date Time tion ST Su Pr | H N
*** TESTMON#1 CPU1 010 WAIT01 01/04/01 08.00 0.01 Y N 0 0 A N N
*** TESTMON#1 CPU1 010 WAIT01 01/04/01 09.00 0.01 Y N 0 0 A N N
*** TESTMON#1 CPU1 010 WAIT01 01/04/01 10.00 0.01 Y N 0 0 A N N
*** TESTMON#1 CPU1 010 WAIT01 01/04/01 11.00 0.01 Y N 0 0 A N N
*** TESTMON#2 CPU2 020 WAIT02 01/04/01 08.00 0.02 Y N 0 0 A N N
*** TESTMON#2 CPU2 020 WAIT02 01/04/01 09.00 0.02 Y N 0 0 A N N
*** TESTMON#2 CPU2 020 WAIT02 01/04/01 10.00 0.02 Y N 0 0 A N N
*** TESTMON#2 CPU2 020 WAIT02 01/04/01 11.00 0.02 Y N 0 0 A N N
***** Bottom of data *****
MA a 02/027

... simply one
primary
command!

IWS/BatchCP vs. OCL

The OCL (OPC Command Language) is a powerful tool, but:

- REXX Runtime Library or IBM Compiler Libraries for REXX are required
- REXX experience is required
- Would you like to write your own code?
- Would you maintain your program?

Thanks for your attention! Do you have any questions?

The logo for 'HORIZONT' features the word in a bold, sans-serif font. The letter 'O' is highlighted in red, while the other letters are in dark grey. The background is light grey with a red curved shape on the left and several faint geometric shapes (squares and a triangle) scattered around the text.

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