



HORIZONT

IWS/BatchAD - Product Presentation

Mass Updates for IWS z/OS

What is IWS/BatchAD?

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

- Perform mass updates
- Modify all IWS z/OS definitions in batch
- To move IWS applications from one IWS into another by modifying keys
- ...

With IWS/BatchAD

Insert, delete, modify or list

- Applications
- Calendars
- Periods
- Workstations
- ETT
- OI
- Special Resource Definitions
- Variable tables



execute IWS dialog
functions in batch
mode!

1.4

1.2

1.3

1.1

1.7

1.5

1.6

1.9

Without IWS/BatchAD

IWS's integrated mass update function does not compare with IWS/BatchAD:

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

Technique of IWS/BatchAD

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

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

IWS/BatchAD offers a wide range of selection functionality:

- Generic
 - Use wildcards for selection and modification (change all Applications PROD* to TEST*)
 - All data fields are supported
- Application lists
 - Use predefined application list for selection

Control Statements

* SEARCH CRITERIA

ADID=TEST*

Select Applications,
Operations, Special
Resources ...

* ACTION PARAMETER

RECORD=ADCOM

ACTION=MODIFY

Select the desired
action

* UPDATE PARAMETER

NEWADID=PROD*

Specify new values
for the selected
objects

Some examples

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

- Change key values like Application Id by keeping references (Successors, OI, ETT)
- Delete Operations by keeping internal and external dependencies
- Copy Applications, Operations, Calendars etc. from from Test to Production

Example (1)

Change Operation No:

```
* SEARCH CRITERIA
ADID=M*APPL*
OPNO=99
* ACTION
PARAMETER
RECORD=ADOP
ACTION=MODIFY
* UPDATE
PARAMETER
NEWOPNO=255
```

```
* SEARCH CRITERIA
PREADID=M*APPL*
PREOPNO=99
* ACTION
PARAMETER
RECORD=ADDEP
ACTION=MODIFY
* UPDATE
PARAMETER
NEWPREOPNO=255
```

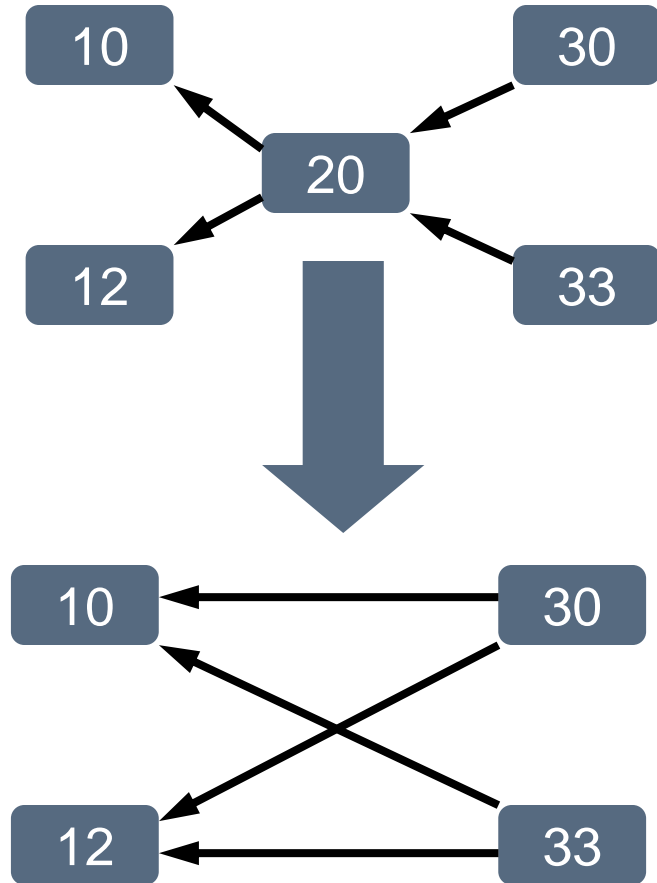
Automatically:
Change the
Operation No. in
predecessor
definitions of all
successors!

Example (2)

Delete Operations:

```
*SEARCH CRITERIA  
ADID=MYAPPL  
OPNO=20  
*ACTION PARAMETER  
RECORD=ADOP  
ACTION=DELETE  
RESTORE_DEPENDENCY_NET=Y
```

Keep dependencies!



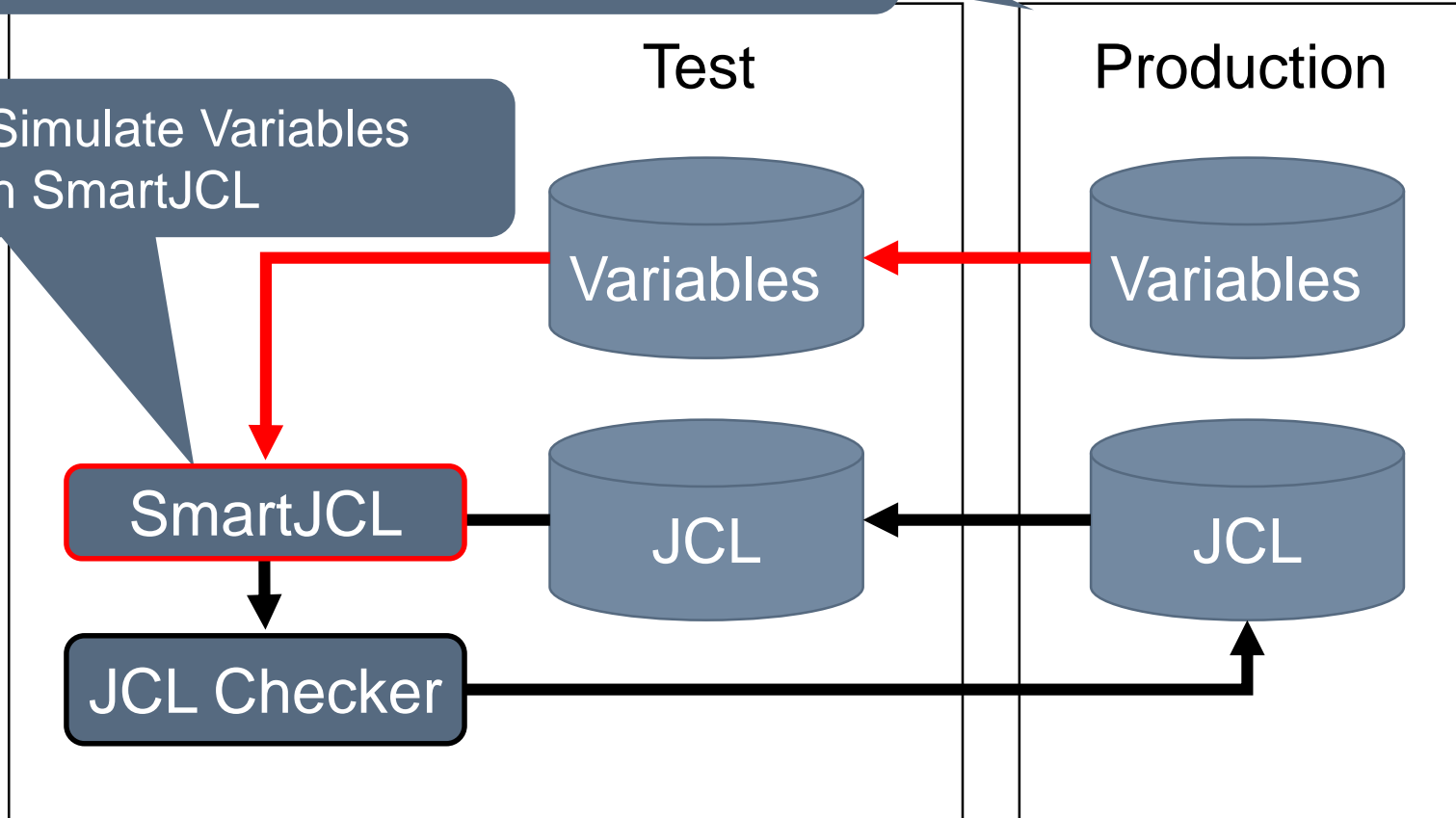
Example (3)

Test JCL with IWS Variables

The Solution:
1) Copy Variables with IWS/BatchAD

2) Simulate Variables with SmartJCL

The Problem:
JCL with IWS
Variables



IWS/BatchAD has an ISPF dialog.

- Makes it easier to generate IWS/BatchAD control cards
- Samples and templates are available online
- Integrated history function to access control cards that were generated previously
- GA Q3 2006

IWS/BatchAD – ISPF Dialog

The screenshot shows a terminal window titled "Sitzung B - [24 x 80]" with a menu bar containing "Datei", "Bearbeiten", "Übertragung", "Darstellung", "Kommunikation", "Funktionen", "Fenster", and "Hilfe". Below the menu bar is a toolbar with various icons. The main content area displays the "OABPMAIN" main menu for "TWS/BatchAD Mainmenu". The prompt "Please select ==>" is followed by a cursor. The menu items are:

- EP - Export (unload) from TWS to file
- IP - Import (load) from file to TWS
- A - Add data objects into TWS
- C - Copy (within one TWS subsystem)
- D - Delete data objects in TWS
- M - Modify data objects in TWS
- HI - History
- EX - Examples
- 0 - Options
- X - Exit

On the right side of the screen, the following information is displayed:

SCROLL ==> **PAGE**

USERID - P390H
System - P390
Time - 16:47
Date - 06/07/03

Three callout boxes on the right side of the screen point to specific menu items:

- "Import/Export" points to the EP and IP items.
- "Standard Functions" points to the A, C, D, and M items.
- "History and Examples" points to the HI and EX items.

At the bottom left of the terminal window, the text "MA b" is visible. At the bottom right, the text "02/021" is visible.

IWS/BatchAD – ISPF Dialog

Sitzung A - [24 x 80]

Datei Bearbeiten Übertragung Darstellung Kommunikation Funktionen Fenster Hilfe

----- TWS/BatchAD Mainmenu -----

Please select ==> _

SCROLL ==> CSR

EP - Export (unload) from TWS to file
IP - Import (load) from file to TWS

A - Add data objects into TWS
C - Copy (within one TWS subsystem)
D - Delete data objects in TWS
M - Modify data objects in TWS

HI - History
EX - Examples

0 - Options
X - Exit

USERID - P390G
System - P390
Time - 15:29
Date - 06/07/05

MA a

02/021

Let's change the start time of all jobs belonging to applications ABC* from 22:30 to 23:00

IWS/BatchAD - MainMenu

```
Sitzung A - [24 x 80]
Datei Bearbeiten Übertragung Darstellung Kommunikation Funktionen Fenster Hilfe

----- TWS/BatchAD MainMenu -----
Please select ==> M_                               SCROLL ==> CSR
EP - Export (unload) from TWS to file             USERID - P390G
IP - Import (load) from file to TWS              System - P390
A - Add data objects into TWS                    Time - 15:29
C - Copy (within one TWS subsystem)              Date - 06/07/05
D - Delete data objects in TWS
M - Modify data objects in TWS

HI - History
EX - Examples

O - Options
X - Exit

MA a                                             02/022
```

1. Type M (odify)

IWS/BatchAD - Select Object

Sitzung A - [24 x 80]

Datei Bearbeiten Übertragung Darstellung Kommunikation Funktionen Fenster Hilfe

TWS/BatchAD Selection

Please select ==> **12** SCROLL ==> CSR

- 10 - Applications
- 11 - Run cycles
- 12 - Operations
- 13 - Dependencies
- 14 - Using Special Resou
- 20 - Calendar and weekdays
- 21 - Weekdays and descript
- 30 - Periods and intervals
- 40 - Workstations
- 41 - Weekdays and special data history
- 42 - Intervals
- 43 - Access methods
- 50 - Special Resources
- 51 - Intervals
- 52 - Default workstations
- 53 - Interval workstations
- 60 - ETT
- 70 - OI
- Variable Tables
- Variables and verification

2. Specify 12 to modify operations

MA a 02/023

IWS/BatchAD - Select ADCOM

```
Sitzung A - [24 x 80]
Datei Bearbeiten Übertragung Darstellung Kommunikation Funktionen Fenster Hilfe

----- TWS/BatchAD Selection of ADCOM Records -----
Please select ==>          MODIFY: You are in the selection mode SCROLL ==> CSR
You selected MODIFY! Please enter your selection parameter first.
Commands: R Clear Panel  G General parameter

Application id           ==> abc*
Application text         ==> _____
Calendar                 ==> _____
Application group definit. ==> _____
Authority group          ==> _____
Owner ID                 ==> _____
Owner text               ==> _____
Application status      A/P ==> _____
Priority                 ==> _____
Valid from              YYYYMMDD ==> _____
Last update date        YYYYMMDD ==> _____
Last update user        ==> _____

Application type        A/G ==> _____
Major Application      Y/N ==> _____
Valid to               YYYYMMDD ==> _____
Last update time       HHMM ==> _____

PRESS ENTER TO CONTINUE

MA a 06/037
```

3. Specify application selection criteria

IWS/BatchAD - Select ADOP

```
Sitzung A - [24 x 80]
Datei Bearbeiten Übertragung Darstellung Kommunikation Funktionen Fenster Hilfe

----- TWS/BatchAD Selection of ADOP Records -----
Please select ==>          MODIFY: You are in the selection mod SCROLL ==> CSR
Commands: R Clear Panel
Operation description    ==> _____
Operation number        ==> _____
Jobname                  ==> _____
Workstation              ==> _____
Duration (Format: HHMM) ==> _____
Automatic error compl Y/N ==> _
Automatic release       Y/N ==> _
Automatic submit        Y/N ==> _
Cancel if late          Y/N ==> _
Cleanup type            A/I/M/N ==> _
Relative day deadline   ==> _____
Deadline time(Form: HHMM) ==> _____
Deadline WTO            Y/N ==> _
Form Number             ==> _____
Expand JCL f. Restart Y/N ==> _
Job Class                ==> _____
Expanded JCL option     Y/N ==> _
WLM late job pol. C/D/L/S ==> _

Limit for feedback      ==> _____
Print Class             ==> _____
Restartable             Y/N ==> _
Reroutable              Y/N ==> _
R1 Resources required   ==> _____
R2 Resources required   ==> _____
No. of servers used     ==> _____
Smoothing factor        ==> _____
Relat.day input arrival ==> _____
Input arrival time (HHMM) ==> 2230
Submit job on time      Y/N ==> _
Log user sysout too     Y/N ==> _
Highest ok RC           ==> _____
Duration (Format: HHMM) ==> _____

PRESS ENTER TO CONTINUE
MA a
```

4. Specify operation selection criteria

IWS/BatchAD - Update ADOP

```
Sitzung A - [24 x 80]
Datei Bearbeiten Übertragung Darstellung Kommunikation Funktionen Fenster Hilfe

----- TWS/BatchAD Update of ADOP Records -----
Please select ==>          MODIFY: You are in the update mode          SCROLL ==> CSR
Commands: R Clear Panel
Operation description      ==> _____
Operation number          ==> _____ Limit for feedback          ==> _____
Jobname                   ==> _____ Print Class                  ==> _____
Workstation               ==> _____ Restartable                    Y/N ==> _____
Duration (Format: HHMM)   ==> _____ Reroutable                     Y/N ==> _____
Automatic error compl Y/N ==> _____ R1 Resources required          ==> _____
Automatic release        Y/N ==> _____ R2 Resources required          ==> _____
Automatic submit         Y/N ==> _____ No. of servers used           ==> _____
Cancel if late          Y/N ==> _____ Smoothing factor              ==> _____
Cleanup type            A/I/M/N ==> _____ Relat.day input arrival       ==> _____
Relative day deadline    ==> _____ Input arrival time (HHMM)    ==> 2300
Deadline time(Form: HHMM) ==> _____ Submit job on time           Y/N ==> _____
Deadline WTO            Y/N ==> _____ Log user sysout too         Y/N ==> _____
Form Number             ==> _____ Highest ok RC                 ==> _____
Expand JCL f. Restart Y/N ==> _____ Duration (Format: HHMMSS)    ==> _____
Job Class               ==> _____
Expanded JCL option     Y/N ==> _____
WLM late job pol. C/D/L/S ==> _____

PRESS ENTER TO CONTINUE

MA a 15/032
```

5. Specify new value

IWS/BatchAD - Batchjob

```
EDIT      P390G.SPFTEMP1.CNTL      Columns 00001 00072
Command ==>      Scroll ==> CSR
000053 //CEEDUMP DD SYSOUT=*
000054 //SYSTSPRT DD SYSOUT=*
000055 //SYSPRINT DD SYSOUT=*
000056 //PRGRCF DD DISP=(,PASS),DSN=8PRGCRF,DCB=(LRECL=80),SPACE=(TRK,1)
000057 //SYSIN DD *
000058 * GENERAL PARAMETER
000059 FORCE_INSERT=N
000060 MSGLEVEL=1
000061 PIF_MSGLEVEL=1
000062 SECURITY_FLAG=Y
000063 SIMULATE=Y
000064 WRITE_CD_AFTER=Y
000065 WRITE_CD_BEFORE=Y
000066 * SELECTION PARAMETER
000067 ADID=ABC*
000068 ADOPSTT=2230
000069 * ACTION PARAMETER
000070 RECORD=ADOP
000071 ACTION=MODIFY
000072 * UPDATE PARAMETER
000073 NEWADOPSTT=2300
***** Bottom of Data *****
```

6. IWS/BatchAD Control Cards

IWS/BatchAD – Examples

```
Sitzung B - [24 x 80]
Datei Bearbeiten Übertragung Darstellung Kommunikation Funktionen Fenster Hilfe
OABPMAIN ----- TWS/BatchAD Mainmenu -----
Please select ==> _ SCROLL ==> PAGE
EP - Export (unload) from TWS to file USERID - P390H
IP - Import (load) from file to TWS System - P390
Time - 16:47
Date - 06/07/03
A - Add data objects into TWS
C - Copy (within one TWS subsystem)
D - Delete data objects in TWS
M - Modify data objects in TWS
HI - History
EX - Examples
O - Options
X - Exit
MA b 02/021
```

Examples allows you to access standard control cards easily

IWS/BatchAD – Examples

Sitzung A - [24 x 80]

Datei Bearbeiten Übertragung Darstellung Kommunikation Funktionen Fenster Hilfe

----- TWS/BatchAD Examples ----- Row 1 of 34
Please select ==> _ SCROLL ==> CSR

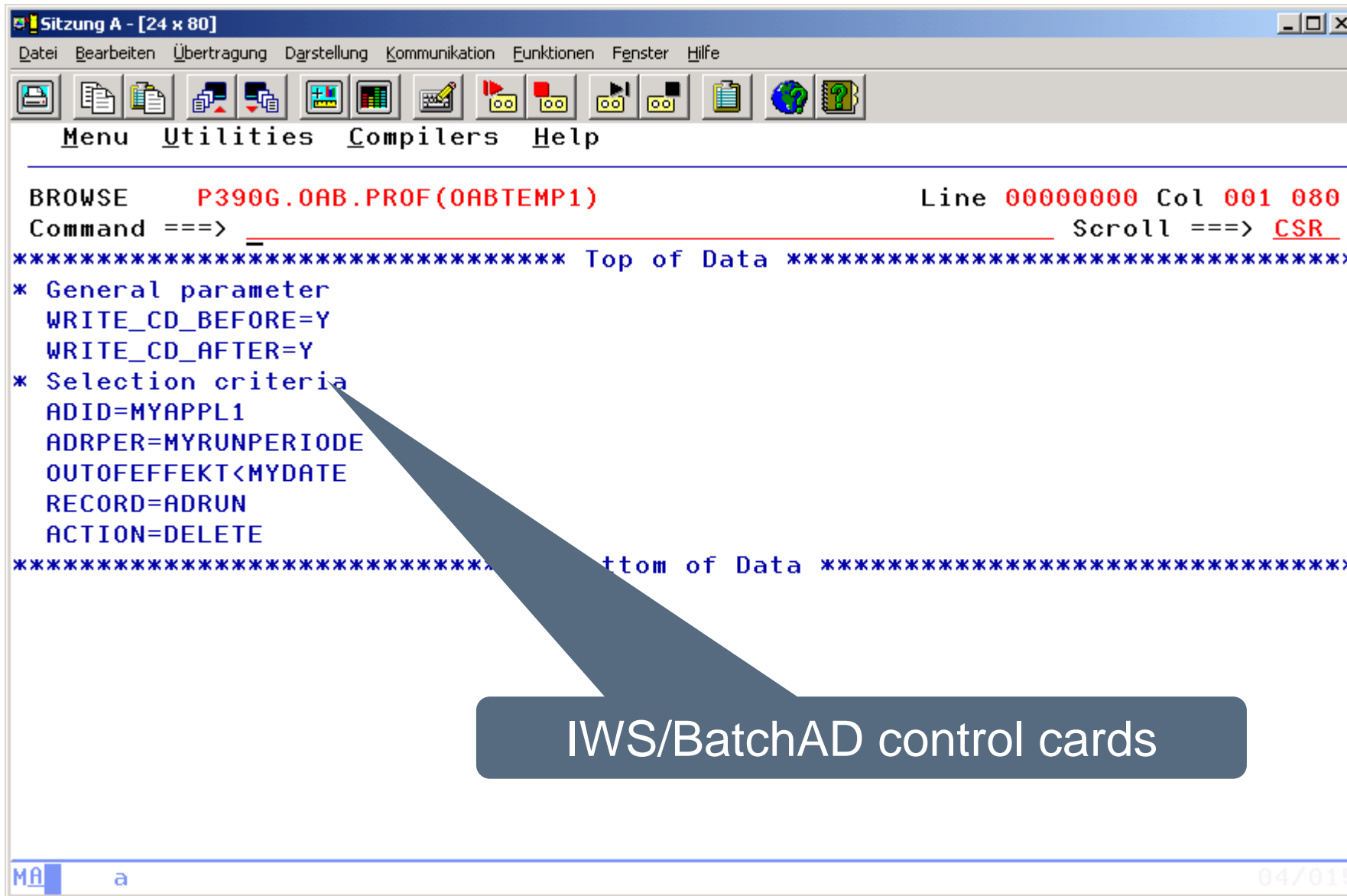
Commands: C Create a new item
LineCmds: S Show U Update D Delete M Modify B Generate Batchjob

* S	* User	* Date	* Time	* Record	* Action	* Description	* Pos
—	P391B	06.07.04	16:13:47	ADRUN	DELETE	DEL RUN-CYCLE WITH VALID-TO	9
—	P391B	04.11.17	09:04:28	WSAM	INSERT	INSERT ACCESS METHOD WSID	13
—	P391B	04.11.17	09:01:43	SRIVL	INSERT	INSERT INTERVAL TO A SR	14
—	P391B	04.11.17	08:59:49	SRCOM	MODIFY	MODIFY SR DEFINITION	10
—	P391B	04.11.17	08:56:16	PRTAB	INSERT	INSERT NEW INTERV. TO PERIOD	18
—	P391B	04.11.17	08:54:08	OI	MODIFY	MODIFY OPERATOR INSTRUCTION	14
—	P391B	04.11.17	08:51:36	OI	INSERT	INSERT A NEW OPERATOR INSTR.	14
—	P391B	04.11.17	08:50:22	JCLVCOM	LIST	EXPORT VARIABLE TABLES	7
—	P391B	04.11.17	08:46:53	JCLVVAR	MODIFY	MODIFY VARIABLE DIALOGTEXT	11
—	P391B	04.11.17	08:42:23	JCLVVAR	INSERT	INSERT VARIABLE DEPENDENCY	20
—	P391B	04.11.17	08:37:17	JCLVCOM	INSERT	INSERT NEW JCL VARIABLE TAB	15
—	P391B	04.11.17	08:34:17	JCLVVAR	MODIFY	MODIFY VARIABLE TABLE	10
—	P391B	04.11.17	08:31:17	JCLVVAR	INSERT	INSERT NEW VTT DEFINITION	8
—	P391B	04.11.17	08:28:33	ADCOM	LIST	EXPORT ALL TWS DEFINITIONS	51

MA a 02/021

Select desired example

IWS/BatchAD – Examples



```
Sitzung A - [24 x 80]
Datei Bearbeiten Übertragung Darstellung Kommunikation Funktionen Fenster Hilfe
Menu Utilities Compilers Help

BROWSE      P390G.OAB.PROF(OABTEMP1)           Line 00000000 Col 001 080
Command ==> _                               Scroll ==> CSR

***** Top of Data *****
* General parameter
  WRITE_CD_BEFORE=Y
  WRITE_CD_AFTER=Y
* Selection criteria
  ADID=MYAPPL1
  ADRPER=MYRUNPERIODE
  OUTOFEFFEKT<MYDATE
  RECORD=ADRUN
  ACTION=DELETE
***** Bottom of Data *****

MA a 04/015
```

IWS/BatchAD control cards

IWS/BatchAD vs. BatchLoader (1)

	IWS/BatchAD	BatchLoader
Comparison Operators	Yes	The Batchloader utility of IWS allows to create new Applications, or to update existing Applications, but it does not create Batchloader statements based on existing Applications
Selection Criteria	All fields	
Selection by List	Yes	
Modify all fields	Yes	

IWS/BatchAD vs. BatchLoader (2)

	IWS/BatchAD	BatchLoader
Modify, Insert, Delete: <ul style="list-style-type: none">• Workstation• Calendar• Period• Special Resource• ETT, OI• Variables	Yes	No

IWS/BatchAD vs. BatchLoader (3)

	IWS/BatchAD	BatchLoader
“Batchloader“	Yes, for all Data!	Only for Apps and OI
	Extended Batchloader	IWS Batchloader
Pending Applications	Yes	No
Export of all Data	Yes	No
Size limitations	No	Yes, APP < 32K

IWS/BatchAD vs. BatchLoader (4)

	IWS/BatchAD	BatchLoader
Import	Yes, for all Data!	Only AD + OI
Readable Format	Yes	Yes

Special Functions		
Simulation	Yes	No
Sort Operations	Yes	No
Generic Update	Yes	No

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 large red curved shape on the left and several faint, semi-transparent geometric shapes (squares and circles) scattered around.

HORIZONT

Please feel free to visit us in Munich or send an email to
info@horizont-it.com