



What's new in EPV SMF2XL V2

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EPV User Group 2014

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EPV Technologies

- Since 2003 EPV Technologies has developed and distributes the EPV products suite for Capacity Management
- Products' goal is to control and optimize hardware and software to reduce costs and maintain and often improve service levels
- EPV zParser, EPV SMF2XL, EPV for z/OS, EPV Graph for z/OS, EPV for DB2, EPV for WMQ, EPV for zLINUX, EPV for UNIX, EPV Graph for UNIX, EPV for VMware, EPV for WINDOWS, MyEPV
- Customers in Italy, Belgium, Brazil, France, Germany, Israel, Japan, Luxembourg, Switzerland, UK and USA
- WWW.EPVTECH.COM



EPV SMF2XL positioning

- EPV SMF2XL is a personal productivity tool
- The great advantage in comparison with zParser is that no customization at all is required
- When big SMF files need to be analyzed zParser is a better solution



EPV SMF2XL requirements

Component	Requirements
Operating System	any Microsoft Windows OS starting from NT
Hardware	Any hardware platform supported by the previous operating systems.
Processors	2
Memory	2 Gb RAM
Disk Space	The space needed depends on the size of the SMF dumps you analyse.
Software	MS Excel



What's new

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More record types supported

- All the IBM standard SMF records from 0 to 127
- Additional records supported:
 - CONTROL-D[®]
 - OMEGAMON for CICS[®]
 - BVIR IBM[®] Virtualization Engine
 - VTCS StorageTek[™] Virtual Tape Control System
 - ZCOST[®]



As for the zParser...

- Additional records can be supported on customer's request, as long as the customer supplies documentation of the record layout and record samples to build and test SMF2XL support.

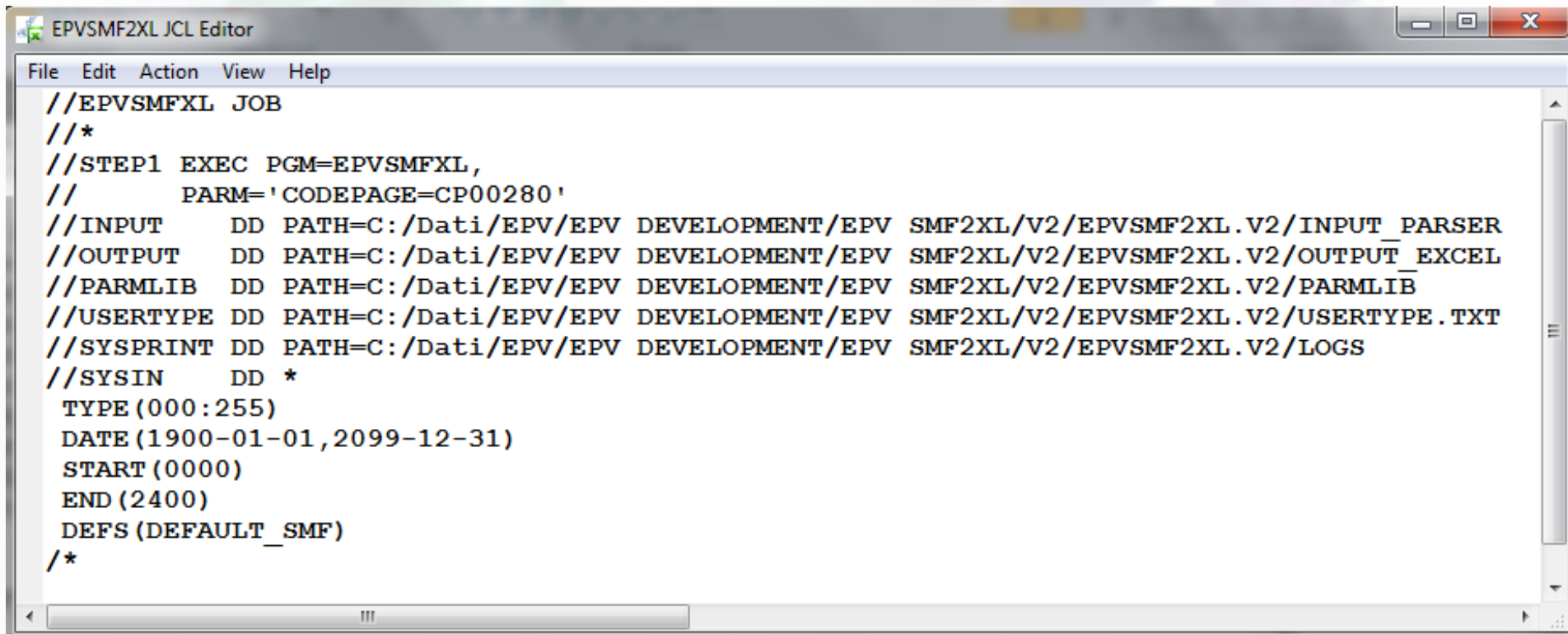


Added functionalities

- Basic mode (as in V1)
- Advanced mode
- The rest of this presentation will discuss
Advanced mode functionalities



A JCL editor is provided



The screenshot shows a window titled "EPVSMF2XL JCL Editor" with a menu bar (File, Edit, Action, View, Help) and a text area containing the following JCL code:

```
//EPVSMF2XL JOB
//*
//STEP1 EXEC PGM=EPVSMF2XL,
//      PARM='CODEPAGE=CP00280'
//INPUT   DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/INPUT_PARSER
//OUTPUT  DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/OUTPUT_EXCEL
//PARMLIB DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/PARMLIB
//USERTYPE DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/USERTYPE.TXT
//SYSPRINT DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/LOGS
//SYSIN   DD *
TYPE(000:255)
DATE(1900-01-01,2099-12-31)
START(0000)
END(2400)
DEFS(DEFAULT_SMF)
/*
```

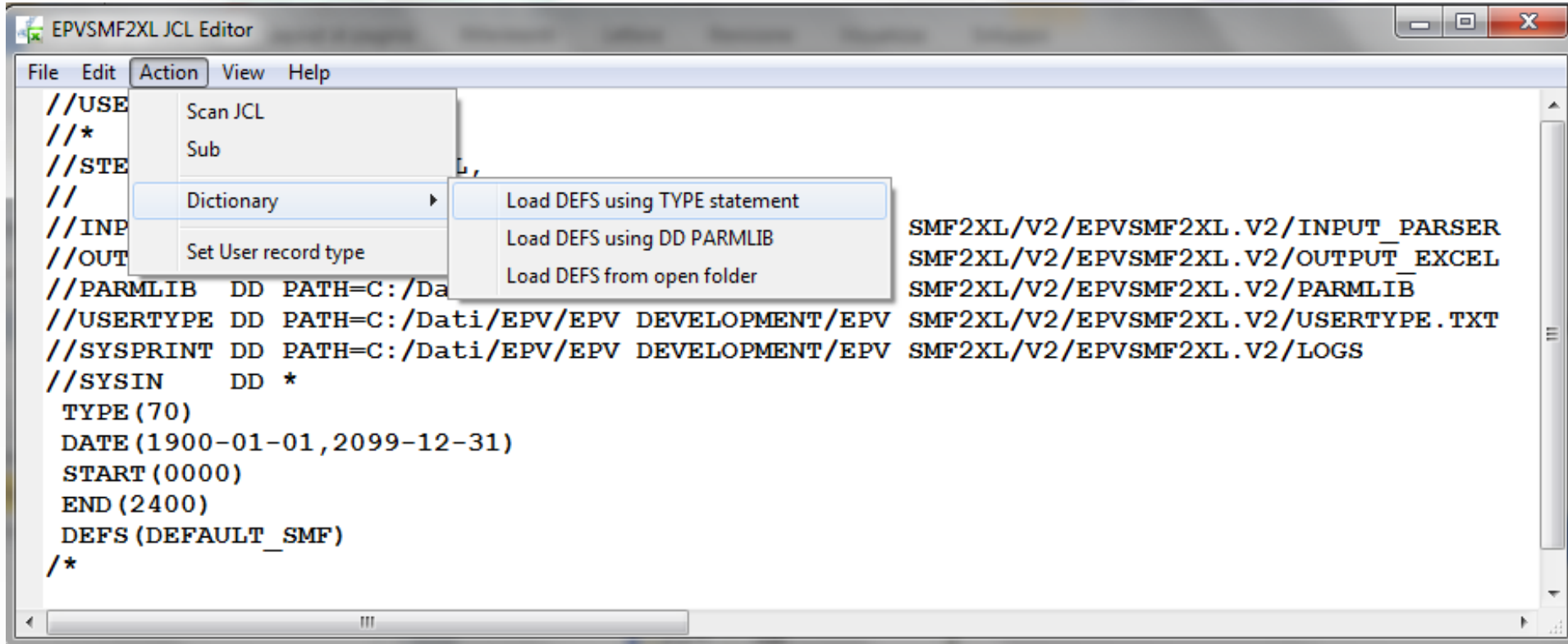


Parms as in IFASMFDL

```
EPVSMF2XL JCL Editor
File Edit Action View Help
//USER01 JOB
//*
//STEP1 EXEC PGM=EPVSMFXL,
//      PARM='CODEPAGE=CP00280'
//INPUT  DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/INPUT_PARSER
//OUTPUT DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/OUTPUT_EXCEL
//PARMLIB DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/PARMLIB
//USER01 DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/USERTYPE.TXT
//SYSPRINT DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/LOGS
//SYSIN  DD *
TYPE(70)
DATE(1900-01-01,2099-12-31)
START(0000)
END(2400)
DEFS(DEFAULT_SMF)
/*
```



Powerful filtering



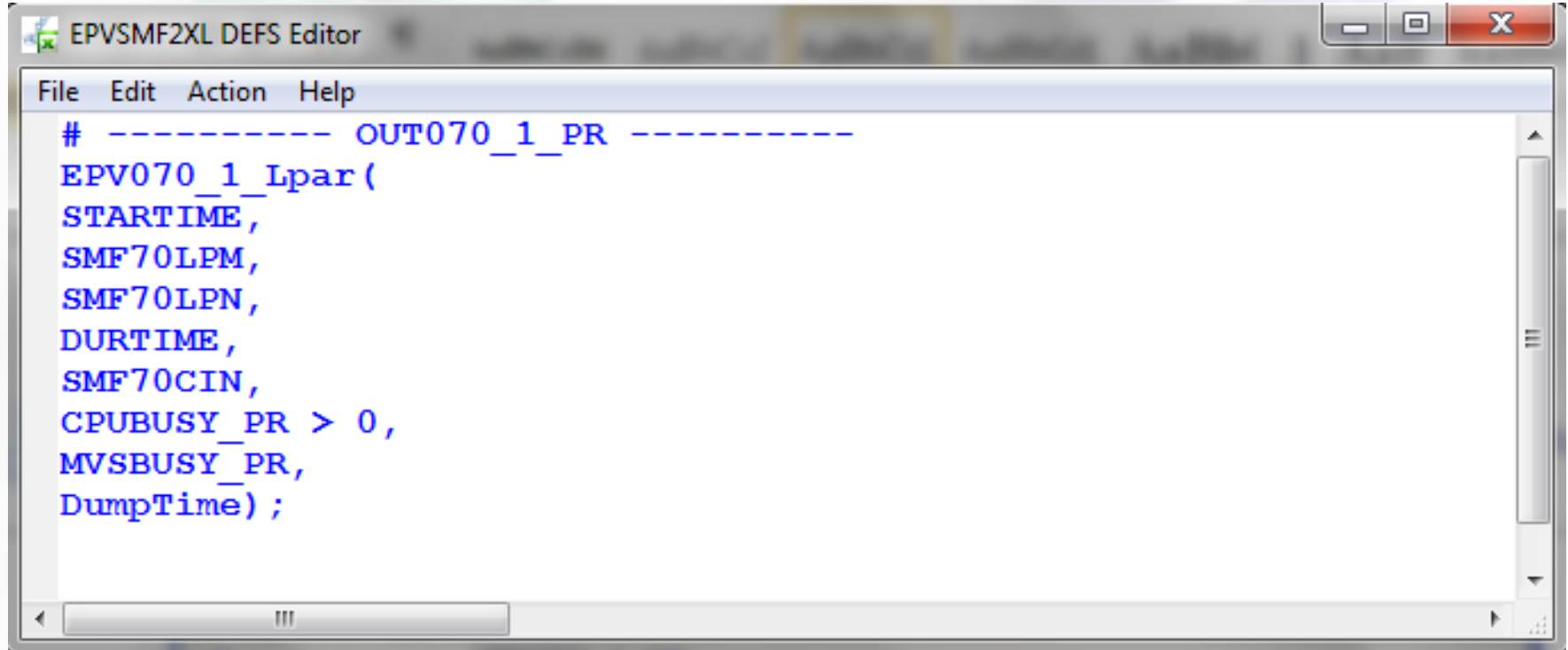
All fields can be used



```
EPVSMF2XL DEFS Editor
File Edit Action Help
# ----- OUT070_1 -----
EPV070_1_Cpu (
SMFTIME,
SYSTEM,
RMFVER,
PRODUCT,
STARTIME,
RMFSAMPL,
RMFFLAG,
SAMPCYCL,
MVSLEVEL,
PROCTYPE,
PROCFLAG,
SMFRECLVL,
SYNCTIME,
GMTOFF,
ORIGINTM,
SYNCVALUE,
PROJTIME,
SYSPLEX,
SYSNAME,
SMF70MOD,
SMF70VER,
SMF70BNP,
SMF70INB.
```




Intuitive coding



```
EPVSMF2XL DEFS Editor
File Edit Action Help
# ----- OUT070_1_PR -----
EPV070_1_Lpar (
STARTIME,
SMF70LPM,
SMF70LPN,
DURTIME,
SMF70CIN,
CPUBUSY_PR > 0,
MVSBUSY_PR,
DumpTime);
```



Easy way to create new parms



```
EPVSMF2XL JCL Editor
File Edit Action View Help
//USER01 JOB
//*
//STEP1 EXEC PGM=EPVSMFXL,
//      PARM='CODEPAGE=CP00280'
//INPUT  DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/INPUT_PARSER
//OUTPUT DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/OUTPUT_EXCEL
//PARMLIB DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/PARMLIB
//USERTYPE DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/USERTYPE.TXT
//SYSPRINT DD PATH=C:/Dati/EPV/EPV DEVELOPMENT/EPV SMF2XL/V2/EPVSMF2XL.V2/LOGS
//SYSIN   DD *
TYPE (70)
DATE (1900-01-01,2099-12-31)
START (0000)
END (2400)
DEFS (REC70)
/*
```



Parms and .bat(s) are reusable

Computer > DATA (D:) > EPV_products > EPVsmf2xl2.0 > EPVSMF2XL.V2 > PARMLIB

Cerca PARMLIB

Organizza ▾ Includi nella raccolta ▾ Condividi con ▾ Nuova cartella

Nome	Ultima modifica	Tipo	Dimensione
DEFAULT_IMS	04/05/2014 23:49	File	6 KB
DEFAULT_SMF	06/05/2014 09:25	File	435 KB
rec30	13/06/2014 17:43	File	1 KB

Computer > DATA (D:) > EPV_products > EPVsmf2xl2.0 > EPVSMF2XL.V2 > PROCS

Cerca PROCS

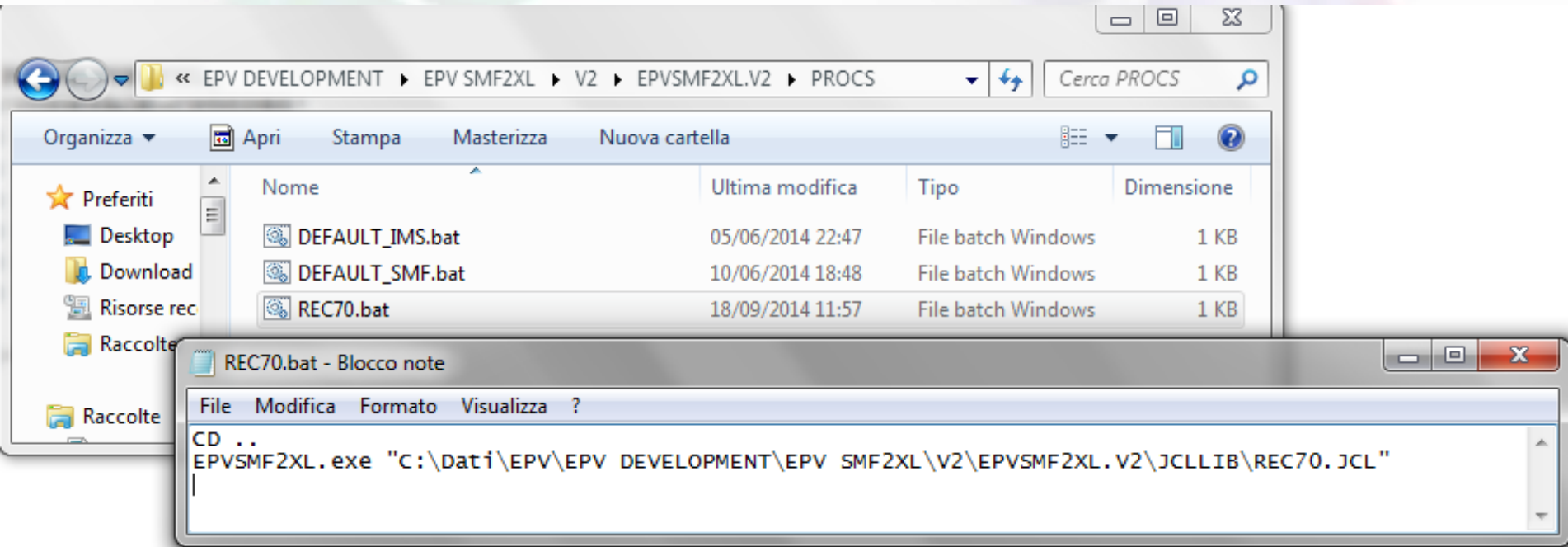
Organizza ▾ Includi nella raccolta ▾ Condividi con ▾ Nuova cartella

Nome	Ultima modifica	Tipo	Dimensione
DEFAULT_IMS	05/06/2014 22:47	File batch Windows	1 KB
DEFAULT_SMF	10/06/2014 18:48	File batch Windows	1 KB
rec70	13/06/2014 17:56	File batch Windows	1 KB





Parms and .bat(s) are reusable



The screenshot shows a Windows File Explorer window with the address bar set to `EPV DEVELOPMENT > EPV SMF2XL > V2 > EPVSMF2XL.V2 > PROCS`. The search bar contains `Cerca PROCS`. The main pane displays a table of files:

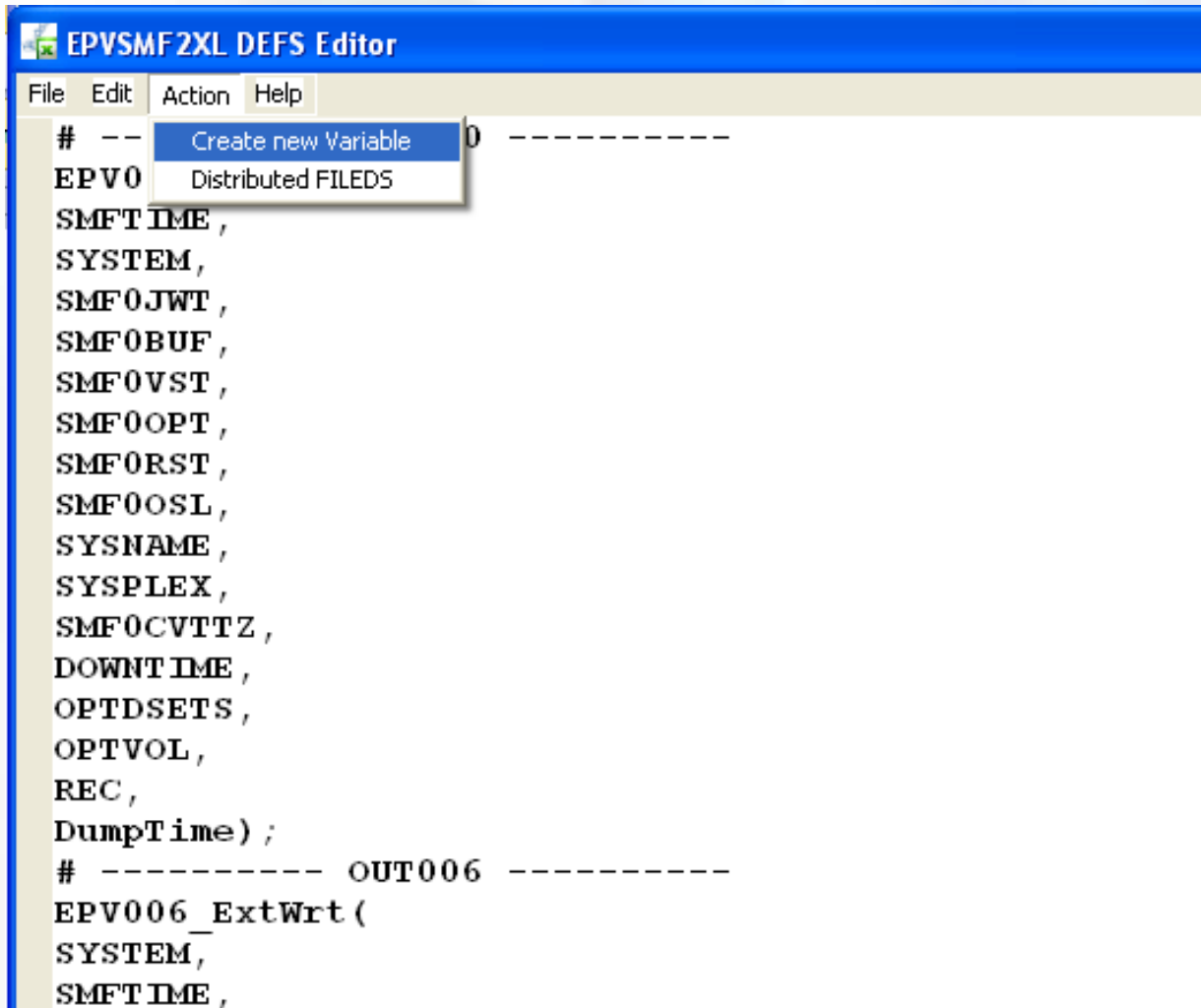
Nome	Ultima modifica	Tipo	Dimensione
DEFAULT_IMS.bat	05/06/2014 22:47	File batch Windows	1 KB
DEFAULT_SMF.bat	10/06/2014 18:48	File batch Windows	1 KB
REC70.bat	18/09/2014 11:57	File batch Windows	1 KB

Overlaid on the bottom right is a Notepad window titled `REC70.bat - Blocco note`. The text inside the Notepad window is:

```
CD ..  
EPVSMF2XL.exe "C:\Dati\EPV\EPV DEVELOPMENT\EPV SMF2XL\V2\EPVSMF2XL.V2\JCLLIB\REC70.JCL"
```



Easier way to create new fields



The screenshot shows the 'EPVSMF2XL DEFS Editor' window. The menu bar includes 'File', 'Edit', 'Action', and 'Help'. The 'Action' menu is open, showing 'Create new Variable' and 'Distributed FILEDS'. The main text area contains the following code:

```
# -- 0 -----  
EPV0  
SMFTIME ,  
SYSTEM ,  
SMF0JWT ,  
SMF0BUF ,  
SMF0VST ,  
SMF0OPT ,  
SMF0RST ,  
SMF0OSL ,  
SYSNAME ,  
SYSPLEX ,  
SMF0CVTTZ ,  
DOWNTIME ,  
OPTDSETS ,  
OPTVOL ,  
REC ,  
DumpTime) ;  
# ----- OUT006 -----  
EPV006_ExtWrt(  
SYSTEM ,  
SMFTIME ,
```



Fill in the needed info

Generate a new Variable

Sheets available: EPV000_lpls

PCT example: VAR1 / VAR2 * 100

Enter formula:

Variable Name:

Description:

Variable format: numeric

Done End

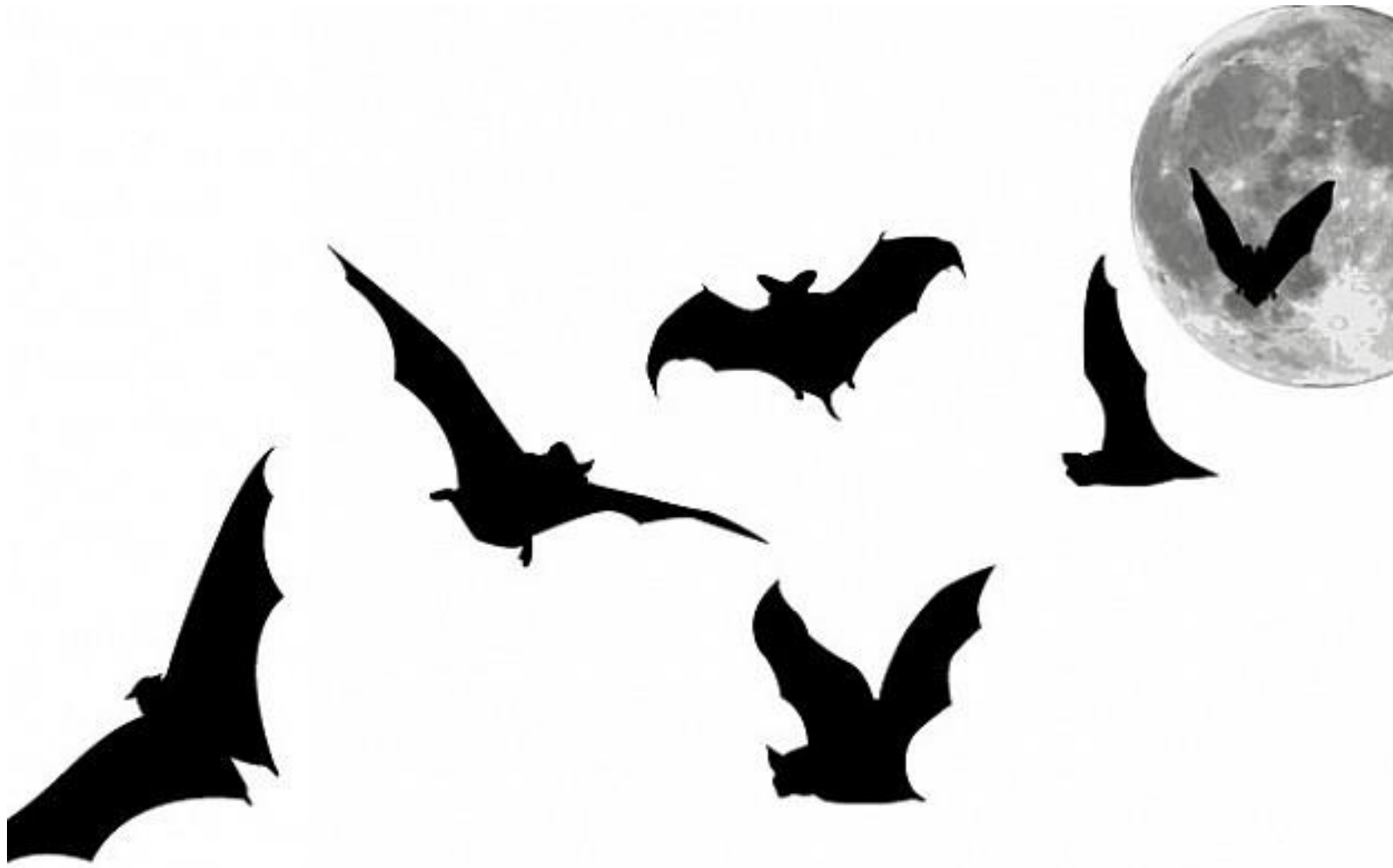


Commercials

- EPV SMF2XL is rented.
- The yearly non-negotiable fee is 2.500,00 EURO per Company per Country, unrelated to MIPS/MSU or number of users.



Questions ?



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