
EPV Technologies

Newsletter



26 January 2005 – Number 1

Presentation

Starting this month we're going to publish a monthly newsletter, in order to give our customers another service. The biggest challenge is to add some value to the next email arriving at your email address.

We decided therefore to provide some very technical paper, this number "*DDF Resource Accounting*", but in order to avoid you get an unwanted attachment, we insert only the abstract giving you the possibility to ask for the entire paper.

Following are some technical notes related to our EPV suite of products, and some technical support information. We aim to keep our customers updated on the technical evolution and changes we add to our solutions.

The last chapter of this first issue is related to some marketing news, to show you the efforts we're making to promote our offer.

We hope this newsletter will produce good feedbacks, and in this respect we ask you to provide yours, good or bad as they are, and maybe some suggestion on some interesting item you'd like to be discussed in the next releases.

In this number

- 1) **Tech Papers - White paper - DDF Resource Accounting**
- 2) **Tech Notes - EPV for z/OS V5.0, EPV for zLINUX V1.0**
- 3) **Tech Support – Changes to EPV for z/OS V4.0**
- 4) **Tech News - UKCMG & EuroCMG 2005**

This message contains news related to EPV products produced and distributed by EPV Technologies. The EPV products suite answer problems such as **Managing Performance, Tuning and Capacity Planning** on the most common platforms, **allowing huge savings on HW and SW costs**. In dept information on products and solutions can be found at <http://www.epvtech.com> (available since February) or writing to epv.info@epvtech.com

1) Tech Papers

White paper - DDF Resource Accounting

Fabio Massimo Ottaviani - EPV Technologies

Most of the resource accounting applications in mainframe data centers have been developed more than 10 years ago. At those ancient times the mission critical workloads were made of traditional IMS and CICS transactions and human TSO users, memory was a precious resource, tapes were solid, real cartridges and there was only one processor type for any kind of application.

In 2005 the z/OS world is dominated by new different workloads: millions of DDF requests crowd every day at the DB2 gates grabbing system resources to answer to esoteric queries coming from Unix and Windows applications.

In this paper the DDF workload will be analyzed from the resource accounting point of view, giving indications about what to do to adequate the existing accounting applications. The only resource considered here is the CPU; accounting for the other resources is beyond the scope of this paper.

This white paper is only a part of a more complete study that will be presented at CMG-Italia 2005 Annual Conference.

If you want to receive the white paper you can reply to this e-mail writing "DDF Resource Accounting" in the subject

2) Tech Notes

EPV for z/OS V5.0

Development of version 5.0 of the **EPV for z/OS** product is going on according to schedule.

Major enhancements include:

- deeper service class WLM analysis with reports regarding:

- Response time distribution,
- general delay causes,
- specific work managers delay causes;

- deeper channel utilization analysis with reports regarding:

- FICON Open Exchange
- FICON Throughput
- FICON Directors

- exception analysis

- a management view with all the major exceptions reported;
- distribution of exception reports to technical people through e-mail or SMS.

EPV for zLinux 1.0

In December 2004 started the development of the EPV for zLinux product.
An ALFA version will be released within February 2005.

3) Tech Support

Following is a list of all the changes to version 4 of EPV for z/OS. The current version is 4.38.
Enhancements are reported in **Blue**.

VERSION 4.38
MODIFICATIONS

- 38 DATE: 22-DEC-2004
TYPE: ENHANCEMENT
CHANGE: RETENTION PERIOD OF MRESA.CPULPAR DATASET CHANGED
FROM DETAIL TO TREND PERIOD
MEMBERS: MRESA
- 37 DATE: 22-DEC-2004
TYPE: CORRECTION
SYMPTOM: DUPLICATE WAS ADDRESS SPACES FOUND.
CHANGE: IN ONE CASE THE APPLID CONTAINED A TRAILING BYTE
CONTAINING BINARY ZEROS.THE BYTE WAS CHANGED TO BLANK.
PROBLEM STARTED WITH WAS5.
MEMBERS: UW120JC UW120WA MHTMWKLA MHTMTRND
- 36 DATE: 22-DEC-2004
TYPE: CORRECTION
SYMPTOM: DATASET MERGE ERROR
CHANGE: CREATE ALERTS VARIABLE FOR DATASETS CONTAINING
ZERO OBS IN MSTAT DATASET.
MEMBERS: MHTMTRND
- 35 DATE: 22-DEC-2004
TYPE: ENHANCEMENT
CHANGE: MODIFIED TITLES IN SYSTEM TOP ADDRESS SPACES VIEW
MEMBER: MHTMWKLA
- 34 DATE: 22-DEC-2004
TYPE: ENHANCEMENT
MEMBER: MWKLA MHTMWKLA
CHANGE: INSERTED CPU PERCENT IN SYSTEM TOP ADDRESS SPACES VIEW
- 33 DATE: 22-DEC-2004
TYPE: ENHANCEMENT

CHANGE: INSERTED COLUMN SEPARATORS IN SYSTEM TOP ADDRESS
SPACES VIEW
MEMBER: MHTMWKLA

32 DATE: 22-DEC-2004
TYPE: CORRECTION
SYMPTOM: INCORRECT WHERE STATEMENT
CHANGE: MODIFIED WHERE STATEMENTS IN MACROS WKLIMS WKLDDF
MEMBER: MHTMWKLA

31 DATE: 22-DEC-2004
TYPE: CORRECTION
SYMPTOM: INCORRECT MRESA.MEMUSED RETENTION PERIOD
CHANGE: ADDED RETENTION PERIOD TO MRESA.MEMUSED DATASET
MEMBER: MRESA

30 DATE: 22-DEC-2004
TYPE: CORRECTION
SYMPTOM: UNDEFINED MACRO VARIABLES MIN AND MAX
CHANGE: MACRO CC IN ERROR DUE TO UNDEFINED MACRO VARIABLES
MIN AND MAX WHEN DATASET MCONF.SYSTEM IS EMPTY.
MEMBERS: MCONF

29 DATE: 22-DEC-2004
TYPE: ENHANCEMENT
CHANGE: VALUES CONTANING ZERO IN MISSING INTERVALS CHANGED
TO NULL IN CPU UTILIZATION VIEW
MEMBERS: MHTMRESA

28 DATE: 22-DEC-2004
TYPE: ENHANCEMENT
CHANGE: ADDED NEW CONFIG PARAMETER ("JSCONFIG" -JAVA PARAMETERS)
EACH UNEVEN ROW FOR EACH HTML TABLE CAN CONTAIN A COLOR
DEFINED BY THE PARAMETER HLCOLOR IN FILE EPV_CONFIG.TXT
LOCATED IN THE JAVA DIRECTORY.THE DEFAULT COLOR IS
LIGHTGREY. NOW POSSIBLE TO UNHIGHLIGHT OR HIGHLIGHT EACH
ROW BY USING THE MOUSE CLICK
MEMBERS: MHTMCONF, MHTMWKLA, MHTMTRND, MHTMRESA,
MHTMREST, MHTMWKLC, CONFIG
ACTIONS: 1) COPY EPV_SCRIPT V4.2 MEMBER TO JAVA DIRECTORY
2) COPY EPV_SHEET V4.2 MEMBER TO JAVA DIRECTORY

27 DATE: 22-DEC-2004
TYPE: ENHANCEMENT
CHANGE: NOW ALERTS CONTAINED IN MEMBER ALERTS AND CALLED FROM
THE CONFIG MEMBER.
MEMBERS: CONFIG ALERTS

26 DATE: 25-DEC-2004
TYPE: ENHANCEMENT
CHANGE: NEW LICENSE KEY BASED ON NUMBER OF SYSTEMS

25 DATE: 25-OCT-2004
TYPE: ENHANCEMENT

MEMBERS: MHTMWKLA
 CHANGES: ADDED DETAIL ADDRESS SPACES VIEW IN SYSTEM WORKLOAD
 VISION.
 ADDED NEW CONFIG THRESHOLD ASMIPS.
 ADDED NEW USEREXIT UEXADSP
 ACTIONS: 1) ADD HTML FILE, MWSYSASMI, IN ZOSDOC DIRECTORY
 2) ADD NEW PARAMETER THRESHOLD ASMIPS IN MEMBER CONFIG.
 3) INCLUDED UEXADSP USER EXIT.

24 DATE: 22-OCT-2004
 TYPE: ENHANCEMENT
 CHANGE: ADDED FIELD WKL IN ADDRESS SPACES SERVICE CLASS VIEW
 MEMBERS: MHTMCONF
 ACTIONS: CHANGE HELP HTML FILE MCSYSWAS IN ZOSDOC DIRECTORY.

23 DATE: 22-OCT-2004
 TYPE: ENHANCEMENT
 CHANGE: ADDED FIELD PCT FREE IN STORAGE GROUPS AND DISK
 SUMMARY VIEW (CONFIGURATION VISION)
 MEMBERS: CONFIG MHTMCONF
 ACTIONS: 1) INSERT NEW CONFIG STGFREE THRESHOLDS
 2) CHANGE HTML FILES, MCDSKSUM AND MCSTG, IN ZOSDOC
 DIRECTORY.

22 DATE: 19-OCT-2004
 TYPE: ENHANCEMENT
 CHANGE: ADDED ALERTS IN TOP TOTAL CPU TIME FOR TRANSACTIONS
 CICS IMS AND DDF (WORKLOAD VISION)
 MEMBERS: CONFIG MHTMWKLA
 ACTION: 1) INSERT NEW CONFIG CPUTRCIC CPUTRIMS AND CPUTRDDF
 THRESHOLDS
 2) CHANGE HELP HTML FILES, MWCICCPU MWDDFCPU AND
 MWIMSCPU, IN ZOSDOC DIRECTORY

21 DATE: 19-OCT-2004
 TYPE: ENHANCEMENT
 CHANGE: LINK ADDED TO WKL FIELD IN SYSTEM WORKLOAD CPU
 UTILIZATION VIEW.
 MEMBERS: MHTMWKLA
 ACTION: CHANGE HELP HTML FILE MWSYSWKL IN ZOSDOC DIRECTORY.

20 DATE: 13-OCT-2004
 TYPE: ENHANCEMENT
 CHANGE: MAXIMUM MIPS USED IN CEC UTILIZATION RESOURCE DAY TREND
 VIEW
 MEMBERS: MHTMREST

19 DATE: 11-OCT-2004
 TYPE: ENHANCEMENT
 CHANGE: ADDED ALERT STATISTICS IN SYSTEM WORKLOAD DAY TREND.
 MEMBERS: MHTMTRND

18 DATE: 05-OCT-2004

TYPE: ENHANCEMENT
 CHANGE: CONFIG PARAMETER EXSYS INCLUDES OR EXCLUDES SYSTEMS IN
 HTML PAGES.
 MEMBERS: CONFIG MHTMCONF MHTMWKLA MHTMTRND

17 DATE: 01-OCT-2004
 TYPE: ENHANCEMENT
 CHANGE: NOW EXPORTS DATA IN SYNCHRONOUS MODE
 MEMBERS: EPV_VBSCRIPT.JS

16 DATE: 13-SEP-2004
 TYPE: ENHANCEMENT
 CHANGE: MODIFIED FUNCTION ABOUT AND INCLUDED VERSION OF EPV
 MEMBERS: MENU
 ACTIONS: 1) CREATE FILE ABOUT HTML.
 2) CHANGE FILE MENU HTML.
 3) CHANGE JAVA DIRECTORY.

15 DATE: 08-SEP-2004
 TYPE: ENHANCEMENT
 CHANGE: VARIABLES CSAPERCB AND CSAPERCA FORMATTED
 MEMBERS: MHTMREST

14 DATE: 30-AUG-2004
 TYPE: ENHANCEMENT
 CHANGE INCLUDED PERCENTILE USER EXIT
 MEMBERS: MHTMTRND

13 DATE: 27-AUG-2004
 TYPE: CORRECTION
 CHANGE: LINK PROVIDED TO PARTITON CONTAINING SMF DATA
 MEMBERS: MHTMREST

12 DATE: 25-AUG-2004
 TYPE: CORRECTION
 SYMPTOM: WRONG WEIGHT CALULATION
 CHANGE: ICF CPUS EXCLUDED FROM WEIGHT CALCULATION
 MEMBERS: MWKLA

11 DATE: 06-AUG-2004
 TYPE: CORRECTION
 SYMPTOM: UNCORRECT MERGE RESULTS
 CHANGE: MODIFIED MERGE FOR DATASET TOPDISKI
 MEMBERS: MHTMRESA

10 DATE: 06-AUG-2004
 TYPE: ENHANCEMENT
 CHANGE: CHANGE FORMAT FOR PFRATE AND AVLOCSFR
 MEMBERS: MHTMREST

9 DATE: 15-JUL-2004
 TYPE: ENHANCEMENT

CHANGE: CHANGE TITLE MENU (EPV IN UPPERCASE)
MEMBERS: MENU

8 DATE: 13-JUL-2004
TYPE: ENHANCEMENT
CHANGE: EXPORT IN TEMPLATE EXCEL FILES
MEMBERS: MHTMCONF, MHTMRESA, MHTMWKLA, MHTMTRND, MHTMREST, MHTMWLC
ACTIONS: 1) CREATE LOCAL ENVIRONMENT VARIABLE 'EPVXCL' WHICH
POINTS TO DIRECTORY CONTAINING XCEL FILES. THE
PATHNAME MUST END WITH A BACKSLASH.
2) CHANGE JAVA DIRECTORY.

7 DATE: 01-JUL-2004
TYPE: ENHANCEMENT
CHANGE: TODAY() EXCLUDED FROM MONTH TREND VISION
MEMBERS: MHTMRESA

6 DATE: 18-JUN-2004
TYPE: ENHANCEMENT
CHANGE: AVAILABLE FRAMES CHANGED IN MBYTES (THOUSAND)
MEMBERS: MRESA, MHTMRESA, MHTMREST

5 DATE: 16-JUN-2004
TYPE: ENHANCEMENT
CHANGE: ADDED RESOURCE ANALYSIS MONTH TREND HTML PAGES
MEMBERS: UR71, MRESA, MHTMREST

4 DATE: 10-JUN-2004
TYPE: ENHANCEMENT
CHANGE: NOW SYSTEM DAY TREND CONTAINS COMPLETE PERCENTILE
STATISTICS FOR EACH SYSTEM
MEMBERS: MHTMTRND

3 DATE: 07-APR-2004
TYPE: ENHANCEMENT
CHANGE: PARTITIONS NOT UTILIZED ELIMINATED FROM CEC CPU
UTILIZATION DAY TREND VIEW
MEMBERS: MHTMREST

2 DATE: 07-APR-2004
TYPE: ENHANCEMENT
CHANGE: CHANGED STATISTICS FROM MEAN TO SUM
MEMBERS: MHTMREST

1 DATE: 07-APR-2004
TYPE: ENHANCEMENT
CHANGE: ADDED FORMAT FMTMMYY7 TO ALL MONTH TREND VIEWS
MEMBERS: CONFIG

In order to receive changes and installation instructions write to epv.support@epvtech.com

4) Tech News

UKCMG & EuroCMG 2005

In May 2005, 23rd to 25th, in Kenilworth UK there'll be the conference UKCMG & EuroCMG 2005. EPV Technologies will sponsor the event.

In the exhibit area we'll provide two demo-point where we will show the latest releases of our EPV products and solutions.

EPV Technologies will present also a technical paper titled "Capacity Planning in z/OS environments: something new under the sun?".

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