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### 1) **Tech Papers**

### **Analyzing Hydra Historical Statistics – Part 2**

Fabio Massimo Ottaviani – EPV Technologies

The IBM Virtualization Engine TS7700, code named Hydra, is the new generation of tape virtualization solution for mainframe systems designed to replace the IBM Virtual Tape Server (VTS).

The Hydra architecture has been completely redesigned to make it more modular and scalable and to allow an easy implementation of advanced Disaster Recovery and Business Continuity solutions. The Hydra statistics production system has also been redesigned to provide all the needed metrics.

Two types of statistics are provided:

- Point-in-time statistics are useful to understand what's happening in the TS7700 subsystem at this moment; data provided by this type of statistic is a snapshot of the activity over the last 15-second interval; each new 15-second interval data overlays the previous interval's data;
- Historical statistics are useful to understand how you are using TS7700 resources; the data provided by this type of statistic is captured over a 15-minute interval; each new 15-minute interval data does not overlay the prior interval's data; 90 rolling days of historical statistics are kept in the TS7700 subsystem database.

Historical statistics are designed to support Performance Analysis and Capacity Planning activities so they are essential information to collect, trend and analyze.

In this paper we'll discuss the available historical statistics data types (records) focusing on the most important metrics from the performance analyst perspective.

*If you want to receive the paper you can reply to this e-mail writing "**Analyzing Hydra Historical Statistics – Part 2**" in the subject*

2) Tech News	VII EPV User Group
<p>The VII EPV User Group will be held in Rome on 27<sup>th</sup> October 2009 at Residenza di Ripetta, Via di Ripetta, 231 – Rome, Italy.  The EPV User Group is a "not to miss" event for all Performance Analysts; it will give you the opportunity to share ideas with qualified experts and to listen to some of the EPV customers experiences.</p> <p><b>Preliminary Agenda (draft)</b>  09:30 Registration  10:00 Welcome and introduction, EPV Technologies  10:15 EPV for z/OS user experience, User presentation  10:45 What's new in EPV for z/OS V9, EPV Technologies  11:15 Coffee break  11:45 EPV for UNIX user experience, User presentation  12:15 What's new in EPV for UNIX V8, EPV Technologies  12:30 TBD, User presentation  13:00 EPV for Windows data collection, EPV Technologies  13:30 Lunch  14:30 Capacity Planning and z10 – Part 1, EPV Technologies  15:15 Coffee break  15:45 Capacity Planning and z10 – Part 2, EPV Technologies  16:30 User Group end</p> <p>Mark the day in your agenda to avoid missing this event.</p>	

3) Tech Notes	Product Announcements
<p><b>EPV Graph for z/OS V8 GA</b>  EPV Graph for z/OS version 8 will enter General Availability on the 29th June.</p> <p><b>EPV for UNIX V8 MA</b>  EPV for UNIX V8 will enter Managed Availability on the 29th June.  The product can be installed under EPV Technologies control.  The major improvements provided in this version will provide:</p> <ul style="list-style-type: none"> <li>• a more usable GUI;</li> <li>• a calendar function to easily compare the same view on different days;</li> <li>• a brand new Exceptions vision including the following views: <ol style="list-style-type: none"> <li>1. Missing Systems;</li> <li>2. Suspected Looping Processes;</li> <li>3. Suspected Memory Leaking Processes;</li> <li>4. Continuous Disk Utilization;</li> <li>5. Continuous System Paging;</li> <li>6. Capture Ratios exceptions;</li> </ol> </li> <li>• the possibility to use different benchmarks to compare systems capacity;</li> <li>• System Utilization by Workload view;</li> <li>• System Capture Ratio view.</li> </ul>	
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