



EPV zParser for Big Data

IT Cost under Control

Data Sheet

EPV zParser Overview

EPV zParser is a simple and effective solution designed to read SMF files and store the output in an SQL Data Base and/or in a data lake (e.g. Hadoop).

All IBM standard records are handled, as well other relevant input sources such as IMS logs, IDCAMS DCOLLECT output, IBM VTS (Hydra) BVIR output, etc.

z/VM Monitor records and zLinux information are also collected.

With EPV zParser you can:

- replace old tools and procedures, which are much more costly and complex to manage;
- process z/OS metrics on the platform which is most convenient for you;
- avoid conflicts between SMF data processing and production workloads;
- easily rebuild your Cost Accounting and Service Level Reporting applications, using more up to date rules;
- create a feed for other EPV products (such as EPV for z/OS, EPV for DB2, EPV for MQ and EPV for zLINUX) which will provide a complete and automatic view of all systems allowing you to save up to 90% of your Performance Analysts' and Capacity Planners' time.

EPV zParser has no pre requisites.

EPV zParser has the facility to load the data continuously throughout the day, so that at midnight all the data produced during the day is already processed and stored in a Data Base or in a data lake.

This will allow all SMF based applications to start as early as possible greatly increasing information availability.

Once loaded the data you can then query it through all the available methods such as standard SQL queries and business analytics solutions (e.g. Splunk).

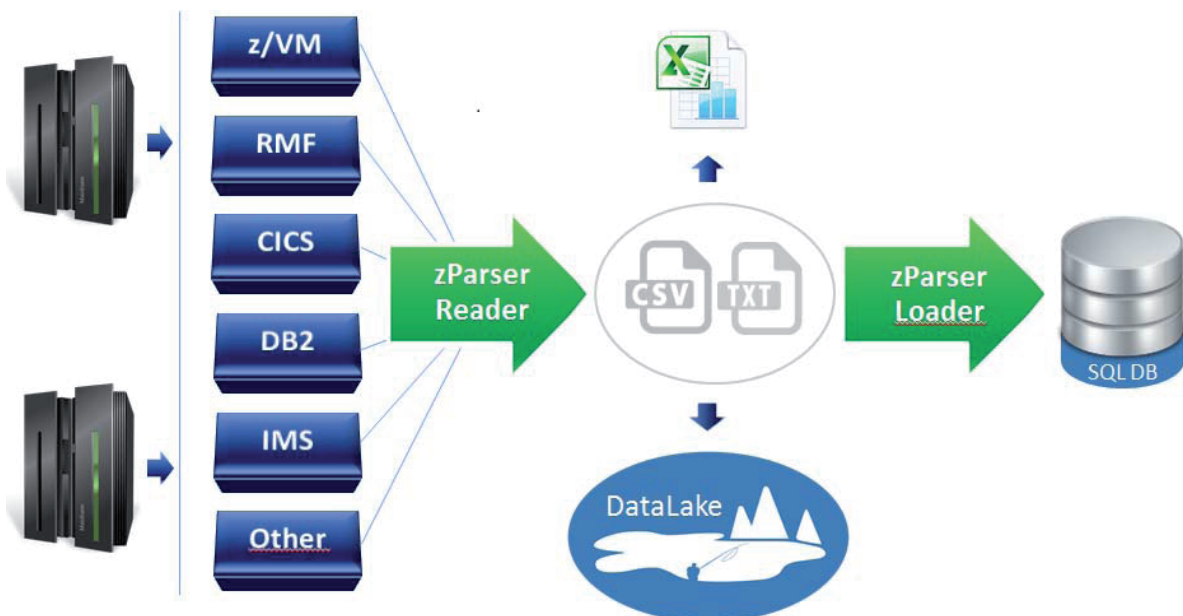
EPV zParser architecture is very flexible: a first step reads the data, selects the tables and fields to record using a customizable profile, and produces flat text files which can then be loaded by the second step.

These two steps can run on different platforms.

EPV zParser is licensed by the number of LPARs, unrelated to MIPS or MSU, so that a capacity upgrade will not require an automatic increase of the license cost.

EPV zParser is licensed in three options:

- EPV zParser for Big Data including all the functionalities;
- EPV zParser Full including all the functionalities except the possibility to split the reader and loader processes and feed a data lake;
- EPV zParser Lite including only the functionalities needed to support the other EPV products (included free of charge in other EPV products license).



Simple and quick installation

Typically EPV zParser is installed within one day.

EPV zParser can be installed on most of the popular hardware and software platforms available in the market.

Easy to use

Using EPV zParser is intuitive and easy. Tables and metrics reflects the standard IBM names used in SMF manuals, DB2 macros, etc.

EPV zParser Unique Technical Features

Design & Architecture

- EPV processing is completely automatic.
- EPV processing can span different platforms.
- EPV can run in Windows, Linux, Unix and z/LINUX. The Parsing phase can also run in USS.
- EPV allows the creation of different user profiles to load only the required records and fields thus making the processing more effective.
- User profiles can easily be created using drag and drop techniques.

Scheduling

EPV can run in different modes:

- Single shot: you can simply provide the input and manually run the Parser to store the data in the selected DB;
 - Once a day: you can schedule it to collect all the data once a day (suggested for small and average sites up to around 10.000 MIPS);
 - Continuous: you can schedule it continuously during the day, every time a SMF DUMP is produced, or triggering a DUMP at fixed times.
- EPV provides embedded scheduling functionalities but it can be easily integrated with any existing work scheduler on any platform.

Processing

- EPV directly reads zipped data reducing processing time and disk space used.
- EPV automatically detects damaged SMF records and discards them without any disruption of the parsing process.
- EPV avoids data duplication.
- EPV automatically de-accumulates SMF fields when needed (e.g. SMF 30 subtype 6 and SMF 100).
- User exits allowing you to write a user file (or add, modify and delete fields) are provided for each record type.

Support

- SMF and other input data layout changes will be reflected in the product at each new release or upon customer request.
- EPV customer support will help you understand even the most muddled SMF field.
- Every user SMF record type can be supported providing documentation and sample records are available.
- Other input data which are of general interest in any z/OS environments can also be supported providing documentation and sample records are available.

EPV zParser Unique Business Benefits

- EPV eliminates the need for costly tools to process and interpret SMF.
- EPV saves all the resource used on the mainframe by moving SMF (and other data) processing onto other platforms.
- EPV allows you to freely choose the most convenient platform to run it on.

- EPV makes SMF and other data available to Performance, Capacity Planning, Cost Accounting and Service Levels Reporting activities, much sooner than before.
- EPV greatly improves the productivity of all the people performing these activities.

EPV zParser Unique Pricing

- EPV license is based on a one-time fee.
- License cost depends on the number of collected systems, and not on the power of the machine or the power used.
- The first year's maintenance is included; in subsequent years customers have only to pay the maintenance fee.

- Maintenance fee includes all releases and new versions of the product.
- There is no additional license fee if the customer changes the platform where EPV runs.
- There is no additional license fee if the customer changes the database type.



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