



EPV Technologies
New Feature Announcement

EPV for z/OS Plus - Refresh Mode

June 28, 2012

Refresh Mode (RM) is a new feature of the EPV for z/OS Plus product. It will allow to run EPV for z/OS Plus and process the data of the same day providing a “near line” analysis of systems and applications performance (with 1-2 hours delay).

RM will run in parallel with the standard EPV processing.

RM most important characteristics are:

- a) it will have absolutely no impact on standard EPV for z/OS Plus processing;
- b) it will use exactly the same code as EPV for z/OS Plus;
- c) it can be run as many time as needed;
- d) it will only produce the EPV for z/OS Plus daily pages.

Architecture

Customers collecting data in continuous mode (with the EPV Agents) should use the DB staging technique, which allows EPV zParser to cycle on more than one DB in order to minimize data collection interruptions, to run RM.

In this case RM will take input from the EPV zParser “current” DB (0) while EPV for z/OS and other EPV products will take input from the “previous day” DB (-1).

RM will only run the EPV for z/OS Plus product.

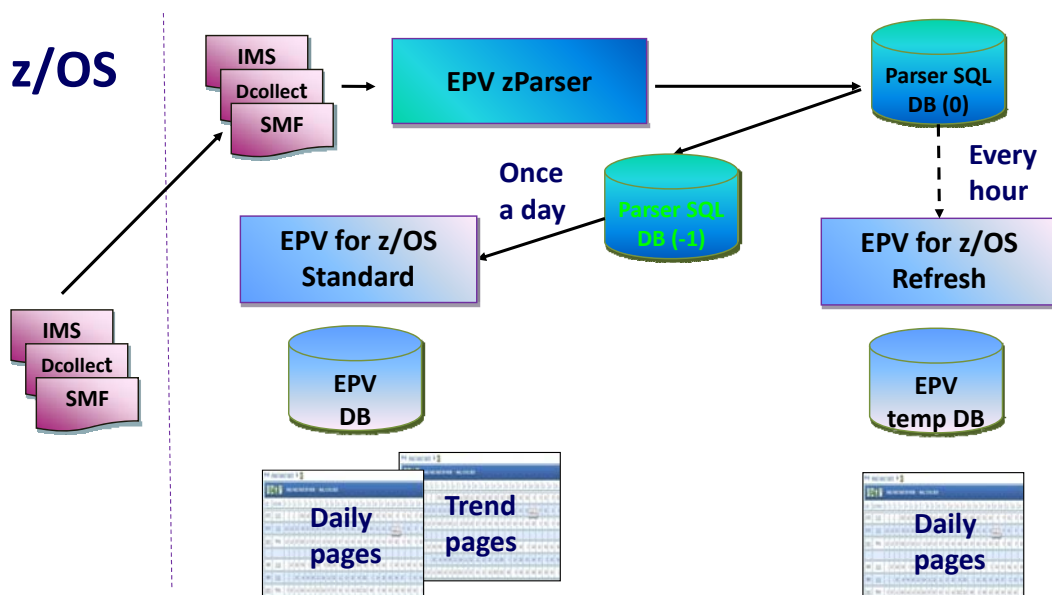


Figure 1



Customers collecting data once a day process all the previous day data just after midnight by running the ALLPHASES.BAT file. These customers normally send SMF and other input data, from z/OS to the system where EPV products run, at the end of the day just before running ALLPHASES.BAT. To use RM they should send the input files more times during the day at a pace that should match the RM scheduling frequency (if you want to run RM every 2 hours it has no sense dumping SMF every 4 hours or once a day).

In this case RM will take input from the EPV zParser input folders.
RM will run both the EPV zParser and EPV for z/OS Plus products.

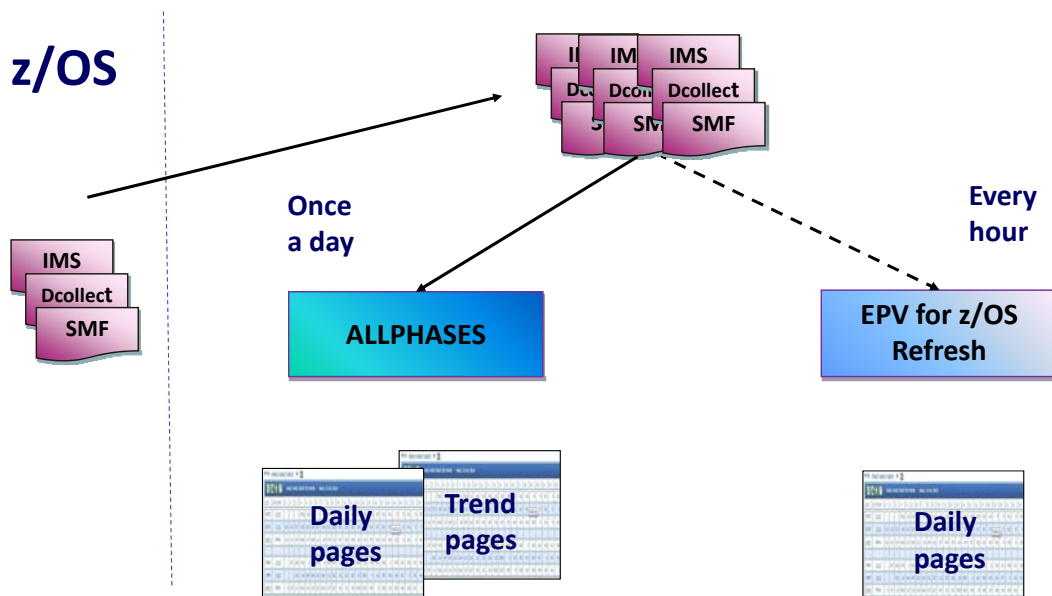


Figure 2

Pre-requisites

EPV zParser V6, EPV for z/OS Plus V10

Current limitations

RM is only supported when EPV products are installed in a Windows environment.

Installation

Not needed.



Customization

Get the RefreshModeInst program from EPV technical support and run it (in future releases it will be provided in ../PRODUCTS/EPVZOS_V10/TOOLS).

During this phase the following objects will be created:

1. a copy of the chosen profile in the USERPROFILE folder with _REF suffix;
2. an empty copy of the MDETA, MCONF, MRESA, MWKLA, MWRMF, MSTAT and MTRND DBs with _REF suffix;
3. an empty copy of the ZPARSER DB with _REF suffix (only when collecting data once a day);
4. the WORK0x_REF DBs (including stored procedures installation);
5. the WORK_REF folder;
6. the HTM_REF folder where the HTML pages produced by RM will be published;
7. the REFRESH_MODE_ZOS.BAT file.

Scheduling

The REFRESH_MODE_ZOS.BAT has to be scheduled based on customer needs.

It will execute EPV for z/OS Plus using this new environment which will inherits the original profile settings.

All folders and DBs will be managed as work areas. They will be cleared every time at the beginning of a new run.

Results

EPV for z/OS Plus daily pages will be published at every RM execution.

Contacts

EPV for z/OS Plus customers can contact EPV technical support at epv.support@epvtech.com for more details about RM.