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IT Cost  
Under Control

# EPV Technologies

## Newsletter

July 2024

### THIS MONTH HIGHLIGHTS

- EPV User Group agenda – First draft
- z/OS CPENABLE Recommendations

### EPV User Group agenda – First draft

The XXII EPV User Group will be virtual again. It will be held on 22nd and 23rd October.

The novelty will be that at the beginning of each day we will have two training sessions dedicated to new Performance Analysts.

## Agenda - Draft

22/10/2024			
09:55 – 10:00	Welcome and introduction	Danilo Gipponi	EPV Technologies
10:00 – 10:30	Introduction to SMF/RMF	Fabio Massimo Ottaviani	EPV Technologies
10:30 – 11:00	Measuring AS activity with SMF 30	Fabio Massimo Ottaviani	EPV Technologies
11:00 – 11:30	coffee break		
11:30 – 12:00	What's new in EPV for z/OS V17	Massimo Orlando	EPV Technologies
12:00 – 12:30	User experience	to be confirmed	to be confirmed
12:30 – 12:45	What's new in EPV Graph for z/OS V17	Carlotta Ottaviani	EPV Technologies
12:45 - 14:15	Lunch		
14:15 – 14:45	User experience	to be confirmed	to be confirmed
14:45 – 15:15	Migrating EPV products with EPV Control Center V17	Matteo Bottazzi	EPV Technologies
15:15 – 15:30	EPVzip V17	Enzo Rossi	EPV Technologies
15:30 – 16:00	New SMF metrics for AI and crypto	Fabio Massimo Ottaviani	EPV Technologies
23/10/2024			
09:55 – 10:00	Welcome and introduction	Danilo Gipponi	EPV Technologies
10:00 – 10:30	Db2 statistics and accounting measurements	Fabio Massimo Ottaviani	EPV Technologies
10:30 – 11:00	MQ statistics and accounting measurements	Fabio Massimo Ottaviani	EPV Technologies
11:00 – 11:30	coffee break		
11:30 – 12:00	EPV for Db2 V17 preview	Dana Cohen Austrowiek	EPV Technologies
12:00 – 12:30	EPV zParser partitioning, new aggregators and more	Michele Giannuli	CSE
12:30 – 12:45	What's new in EPV Focal Point V17	Matteo Bottazzi	EPV Technologies
12:45 - 14:15	Lunch		
14:15 – 14:45	EPV for MQ V17 preview	Matteo Bottazzi	EPV Technologies
14:45 – 15:00	Better performance with MyEPV V16	Stefano Rotunno	EPV Technologies
15:00 – 15:30	What's new in EPV for CICS V17	Luca Battaglio	EPV Technologies
15:30 – 16:00	Measuring CICS transaction performance	Fabio Massimo Ottaviani	EPV Technologies
	<b>New Performance Analysts sessions</b>		
	<b>User presentation</b>		
	<b>Product presentation</b>		
	<b>Technical update</b>		

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. The most interesting features provided by the latest versions of all EPV products will also be presented.

The EPV User Group is free of charge and reserved to EPV customers. If you are not a customer yet but you are interested in participating, please answer to this e-mail asking for an invitation.

Mark these dates in your agenda to avoid missing this event.

More details in next newsletters.

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## z/OS CPENABLE Recommendations

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With the introduction of z/OS 3.1 there is a new option for CPENABLE. The new option is setting CPENABLE=SYSTEM. The setting of SYSTEM ensures the low and high thresholds are set to the IBM recommended value for each processor

family in the table below. The use of the SYSTEM option removes the need to find and update the parameter with a hardware migration.

Document available at: [z/OS CPENABLE Recommendations](#)



### Customer question

We activated the MQ statistics and accounting traces, but we are not able to see information about queues and channel initiator internal activities.

See below the result of the Display Trace command.

```
CSQW127I +MQXA CURRENT TRACE ACTIVITY IS -
TNO TYPE CLASS DEST USERID RMID
01 STAT 01 SMF * *
02 ACCTG 01 SMF * *
00 CHINIT * RES * *
END OF TRACE REPORT
```

What is missing?

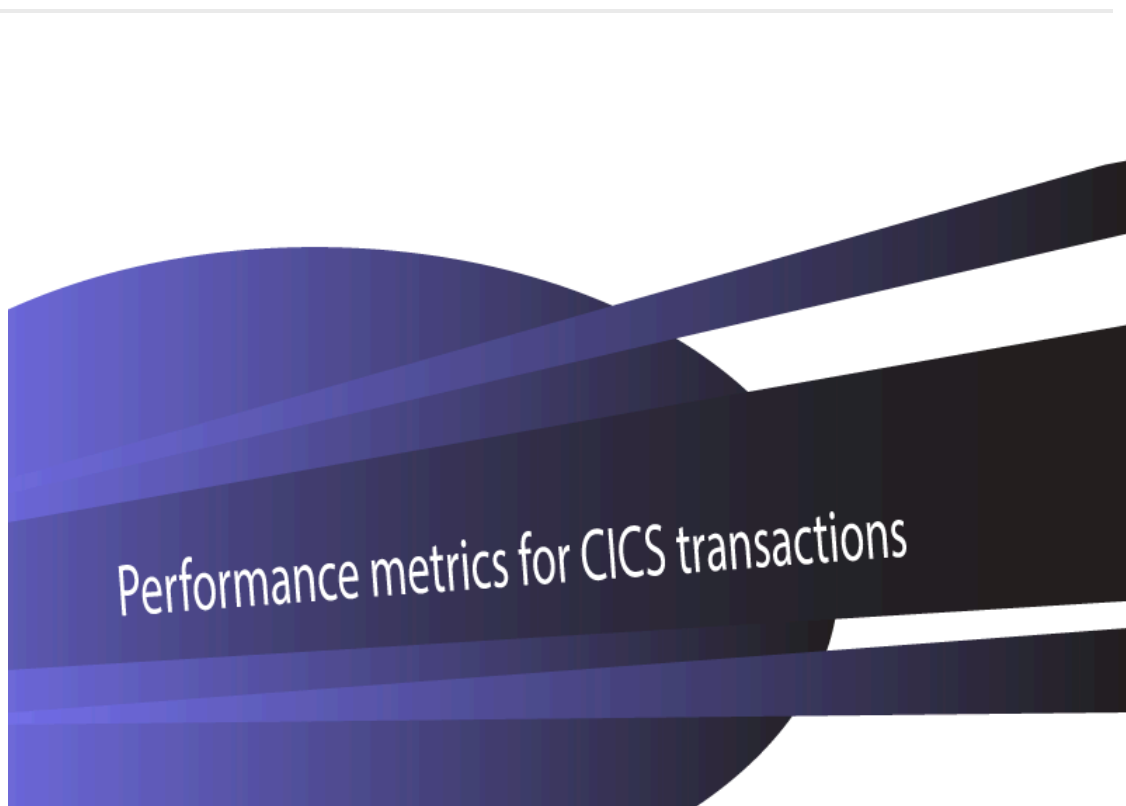
### EPV Technical Support answer

It seems that you specify YES on the SMFSTAT (SMF STATISTICS) and SMFACCT (SMF ACCOUNTING) parameters of the CSQ6SYSP macro. This way only class 1 of statistics and accounting traces are activated.

To get queue information you need to specify (1,3) for the accounting trace.

To get channel initiator information you need to specify (1,4) for the statistics trace and (1,3,4) for the accounting trace.

Please note that with MQ 9.3.1 and later versions, some queue information is also available in statistics by starting class 5.



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## I/O suspensions

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The following I/O suspension times are available in current CICS versions for every transaction executed:

Variable	Group	Description
TCIOWTT	DFHTERM	Suspension time when the user task waited for input from the terminal user, after issuing an EXEC CICS RECEIVE request
IRIOWTT	DFHTERM	Suspension time when the user task waited for control to return at this end of an MRO (Inter-Region Communication) connection
LU61WTT	DFHTERM	Suspension time when the user task waited for I/O on a LUTYPE6.1 connection or session.
LU62WTT	DFHTERM	Suspension time when the user task waited for I/O on a LUTYPE6.2 (APPC) connection or session.
TSIOWTT	DFHTEMP	Suspension time when the user task waited for VSAM I/O to the auxiliary temporary storage data set, DFHTEMP
TSSHWAIT	DFHTEMP	Suspension time when the user task waited for the completion of an asynchronous shared temporary storage request to a temporary storage data server
TDIOWTT	DFHDEST	Suspension time when the user task waited for VSAM I/O to the intrapartition transient data set, DFHINTRA
JCIOWTT	DFHJOUR	Suspension time when the user task waited for journal I/O
FCIOWTT	DFHFILE	Suspension time when the user task waited for non-RLS file I/O
RLSWAIT	DFHFILE	Suspension time when the user task waited for RLS file I/O
CFDTPWAIT	DFHFILE	Suspension time when the user task waited for a data table access request to the Coupling Facility Data Table server to complete.
SOIOWTT	DFH SOCK	Suspension time when the user task waited for inbound socket I/O
ISIOWTT	DFH SOCK	Suspension time when a user task waited for control at this end of an IPIC connection
SOOIOWT	DFH SOCK	Suspension time when the user task waited for outbound socket I/O
SZWAIT	DFHFEPI	Suspension time when the user task waited for FEPI services

By dividing the suspension time by the transaction elapsed time, you can check the impact of each suspension type on the transaction performance.

For each of them the number of suspension events is also available.

By dividing the suspension time by the number of suspensions you can check how long each suspension type has been.

## Quotes



*"Just don't give up trying to do what you really want to do.  
Where there is love and inspiration, I don't think you can go wrong."*  
**Ella Fitzgerald**

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