ECP Collector and Analyzer for OpenVMS Version 5.6A – Release Notes

June 2006

These are the Release Notes for ECP Collector and Analyzer for Open VMS.

Revision/Update Information:

This document supersedes the Release Notes for ECP Collector and Analyzer for OpenVMS V5.5A.

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Included With This Release

The complete Enterprise Capacity and Performance (ECP) product set consists of four components:

- ECP Data Collector
- ECP Analyzer and Reducer
- ECP Capacity Planner
- ECP Data Base

This product, ECP for OpenVMS, consists of two components:

- ECP Data Collector
- ECP Analyzer

Version 5.6A is comprised of the following items:

- ECP Version 5.6A software
- ECP Collector and Analyzer Installation Guide for OpenVMS
- ECP Collector and Analyzer User Guide for OpenVMS

For more information on all the components, see Enterprise Capacity and Performance User Guide and the Enterprise Capacity and Performance Installation Guide.

ECP Collector and Analyzer Features and Options

ADP and CTL Metrics for TDC Collections

ECP Analyzer has the enhanced capability of generating the Adapter (ADP) and Controller (CTL) metrics in the CSV output for a TDC collection. These are TDC-only metrics and are not available with ECP collections. To collect the same you have to specify the TDC parameters ADP and CTL.

CLU Metrics for TDC Collections

ECP Analyzer has the enhanced capability of generating the Cluster (CLU) metrics in the Report and the CSV output for a TDC collection. This is a TDC-only metric and is not available with ECP collections. To collect the same you have to specify the TDC parameter CLU.

Problems Fixed in V5.6A Release

ECP Collector Related Fixes:

ECP Collector Reports Disk Free Space as Negative Value

ECP Collector reported the disk free space as a negative value when the collection interval and free blocks was set to large. This problem has been fixed.

ECP driver crashes when accessing an UCB of NFS dismounted disk

An UCB of NFS dismounted disk when accessed leads to a system crash. Now the ECP driver checks the DDB of the UCB before allowing the UCB structure to be accessed to avoid such a crash.

Motif Interface Related Fixes:

The "print option" leads to "NO_PRINTER" error message

When you choose a collection file and try to print a graph, the "NO_PRINTER" error message is displayed if the SYS$PRINT logical/queue is not defined. This problem has been fixed.

ECP 5.6 analyzer is not displaying x-axis in Graph output on OpenVMS V8.3 (Field Test version)

If you choose any collection file and click on the graph button, the text on the x-axis (timestamps) of the graph is not displayed. This problem has been fixed.

ECP Analyzer displays wrong disk names in the Report output for TDC version 2.2

If a user generates the report output either from the command line or from the Motif interface for TDC 2.2 collection, there would be wrong disk names under the disk statistics. This problem has been fixed.

Restrictions and Known Problems – OpenVMS

The following is a summary of currently known restrictions and potential problems.

Restrictions, Problems and Cautions	Comments
Data Collection	ECP Collector is not supported with OpenVMS Version 8.2 and later, use the Performance Data Collector for HP OpenVMS instead.
Limited support for hardware metrics	The hardware metrics collected using the Performance Data Collector will be limited only to the disk devices.
Upgrading to ECP 5.6A from previous versions	Installing ECP Collector and Analyzer V5.6A will not remove the CP/Reduce and CP/Planner functions from V5.3 and later.
ECP Installation on OpenVMS V7.3-1 and later	ECP installation fails on OpenVMS V7.3-1 and later, if the process execution characteristics /PARSE_STYLE and /CASE_LOOKUP has keywords other than "Traditional" and "Blind" respectively.
Local Graphics terminal using PLAN ANALYZE/MOTIF	The PLAN ANALYZE/MOTIF command invokes the Motif interface for the ECP Analyzer. If this command is not executed on the local graphics terminal, the remote display needs to be specified: $ SET DISPLAY/CREATE/NODE=remote-node - _$ /TRANSPORT=DECNET or TCPIP.
VAXC2DECC.EXE shareable library is required	The Enterprise Capacity and Performance suite requires DEC C Libraries installed. These libraries may not be present on some older VMS systems. If the following message is received during installation: ECP-E-NEEDS Sharable Library VAXC2DECC.EXE required Install the C/C++ Runtime Components kit. Note: VAXC2DECC.EXE and VAXC$EMPTY.EXE are available with AACRTVAXE03060 (C/C++ Runtime Components Kit.)
VAXC$EMPTY.EXE shareable library is required	The Enterprise Capacity and Performance suite requires DEC C Libraries installed. These libraries may not be present on some older VMS systems. If the following message is received during installation: ECP-E-NEEDS Sharable Library VAXC$EMPTY.EXE required Install the C/C++ Runtime Components kit. Note: VAXC2DECC.EXE and VAXC$EMPTY.EXE are available with AACRTVAXE03060(C/C++ Runtime Components Kit.)
Link warnings	All link warnings on OpenVMS must be ignored.

Restrictions, Problems and Cautions	Comments
Ignore ECP$DRIVER informational messages	The execution of ECP$STARTUP.COM will result in the installation of the ECP Collector driver for the pseudo device cpa0:. The IO CONNECT of the driver may result in an informational message. This message is innocuous and may be ignored.
ECP$LIBRARY:	- Must be specific to the Architecture and OS Version; i.e. not shared between Alpha and VAX or among different OS versions. - Perform separate installations for each system disk.
ECP$PERF_DATA:	The Data Collection output files MAY be shared on a cluster common non-system disk. This is recommended configuration.
Caution when using /INTERVAL	The /INTERVAL qualifier does not enforce a minimum value. The Minimum value must be 60. Values lower than this are not recommended.
SYS$BATCH needs to be specific to each node	Use a node specific-queue in SYS$STARTUP:ECP$STARTUP.COM. For example: $DEFINE ECP$DC_QUEUE F$GETSYI("nodename")'$BATCH in SYS$STARTUP:ECP$STARTUP.COM. Otherwise, a shared generic batch queue will cause the Data Collector to always execute on the first node in the server queue list.
VMS Clusters must run Time Services	Time services must run in a clustered environment, so that the times on each system are synchronized. This is necessary because the Batch Queue Manager uses times from only one node in the cluster and if this node has a time ahead of the other nodes, the execution of the ECP$MANAGER.COM file to collect data can be problematic. ECP$MANAGER may be activated before midnight causing 1 days data to be missed. This is not specifically an ECP$MANAGER.COM issue, but rather a problem generic to the Queue Manager. The batch jobs are released from HOLD according to the time on the node running Queue Manager, but executed according to local system time. This can have undesirable results when the Queue Manager thinks it is midnight, but the target system thinks it is only 23:59, or vice-versa. Even with frequent synchronization of the time, the problem may still exist if the clocks are off by just 1 second.