

SYSTEM AND METHOD FOR AUTOMATICALLY
OPTIMIZING AVAILABLE VIRTUAL MEMORY

ABSTRACT OF THE DISCLOSURE

An information handling system includes a processor
able to support a 64 bit operating system. The
information handling system includes a memory resource in
communication with the processor that is able to manage
the memory resource as virtual memory for applications
run by the processor. The information handling system
includes a 32 bit application that can be run by the
processor and a wrapper able to automatically determine
whether the 32 bit application is Large Address Aware.
If the wrapper determines that the 32 bit application is
not Large Address Aware, the wrapper automatically
modifies a Large Address Aware flag associated with the
selected 32 bit application to allow the 32-bit
application to take advantage of the additional virtual
addressing capability of the 64 bit operating system.

FIG. 1



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