

ABSTRACT

The present disclosure provides a method and apparatus for determining an operating
5 frequency of a virtual machine, an electronic device, and a storage medium, relating to
the field of computer technologies, and in particular to virtualization technologies in
cloud-computing scenarios. The method includes: obtaining a target register from a pass-
through list, and acquiring register data corresponding to the target register, where
10 registers in the pass-through list is accessible by the virtual machine; during the
operation of the virtual machine, in response to receiving an instruction to read the target
register data, passing through the register data corresponding to the target register to the
virtual machine, so that the virtual machine obtains the operating frequency of the virtual
machine according to the register data. The pass-through mechanism of the present
15 disclosure enables the virtual machine to perceive the actual operating frequency of the
host machine in real time, thereby significantly improving the real-time performance and
accuracy of the virtual machine in terms of performance monitoring and optimization.

FIG. 1