ABSTRACT OF THE DISCLOSURE

VIRTUAL MACHINE (VM) MIGRATION BETWEEN PROCESSOR ARCHITECTURES

A system and method for performing a VM migration which manages a cluster of machines in a pool for live migration to the same feature set or behavior. In certain embodiments, machines within the pool can be configured to emulate a certain feature set to enable a VM migration amongst the similar pools. The emulation can be by either masking reporting of a feature set or enabling/disabling a feature set. The handling of emulation registers within the hardware occurs at a firmware level rather than an operating system or hypervisor level.

Figure 4

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