

VIRTUAL MACHINE BATCH LIVE MIGRATION

ABSTRACT

A virtual machine migration controller may perform the live migration of a plurality of virtual machines from a first physical host system to a second physical host system. The virtual machine migration controller may determine a memory page dirty rate for each of a plurality of
5 virtual machines. The virtual machine migration controller may additionally identify virtual machines that share memory pages and/or map to different memory pages having, at least in part, identical data or information. The virtual machine migration controller may group virtual machines demonstrating commonality among mapped memory pages. The virtual machine
10 migration controller may determine a projected migration time based on the dirtying rate, the commonality of memory pages, and the available bandwidth. The virtual machine migration controller orders and transfers virtual machine groups based on the projected migration time.

Fig. 1