

Two-level Page Table

Slides produced by: Jayneel Gandhi, Arkaprava Basu, Michael M. Swift, Mark D. Hill

Overheads of Virtualizing Memory

We show that that the increase in translation lookaside buffer (TLB) miss-handling costs due to hard-ware-assisted memory management unit (MMU) is the largest contributor to the performance gap between native and virtual servers.

-Buell, et al. VMware Technical Journal 2013

2



















