Before *Page Sharing:*

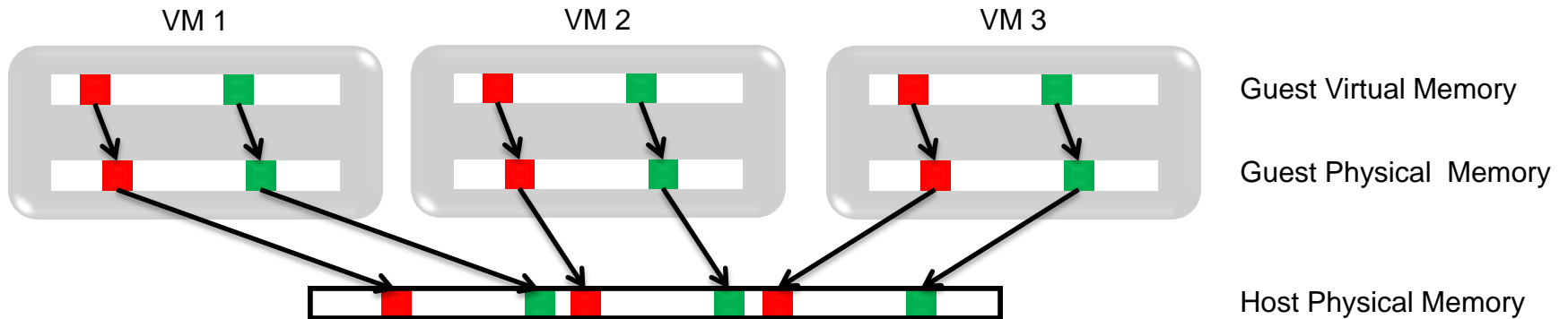VM 1

VM 2

VM 3

Guest Virtual Memory

Guest Physical Memory

Host Physical Memory

During idle CPU cycles, the VMM compares hashes of allocated pages to identify the pages with identical content, and then refactors them as shared, read-only pages.

After *Page Sharing:*

VM 1

VM 2

VM 3

Guest Virtual Memory

Guest Physical Memory

Host Physical Memory