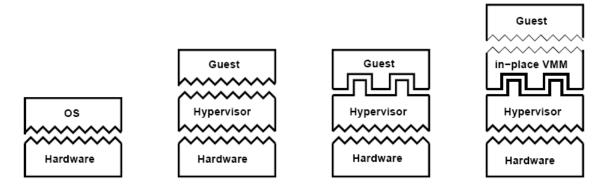
Hardware based Virtualization

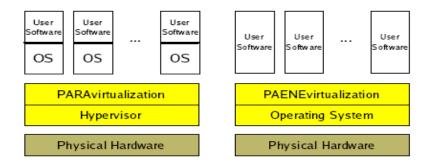
- Full Virtualization: No modification to Guest OS VMM (VM monitor) or Hypervisor provides H/W resources transparently (e.g., Oracle Open Source Virtual Box)
- Para Virtualization: Guest OS needs to be modified since VMM provides about 50% of H/W resources transparently
- Pre Virtualization:
 Guest OS does not need to be modified (transparency is provided by in-place VMM)



Performance debate between Full vs Para vs Pre Virtualizations in terms of consolidation, isolation, aggregation, and execution efficiency

OS based virtualization

Paene virtualition is OS based virtualization with zone (or container) concept for resource isolation, name space isolation, security isolation, and fault isolation



Java Virtualization is language based virtualization