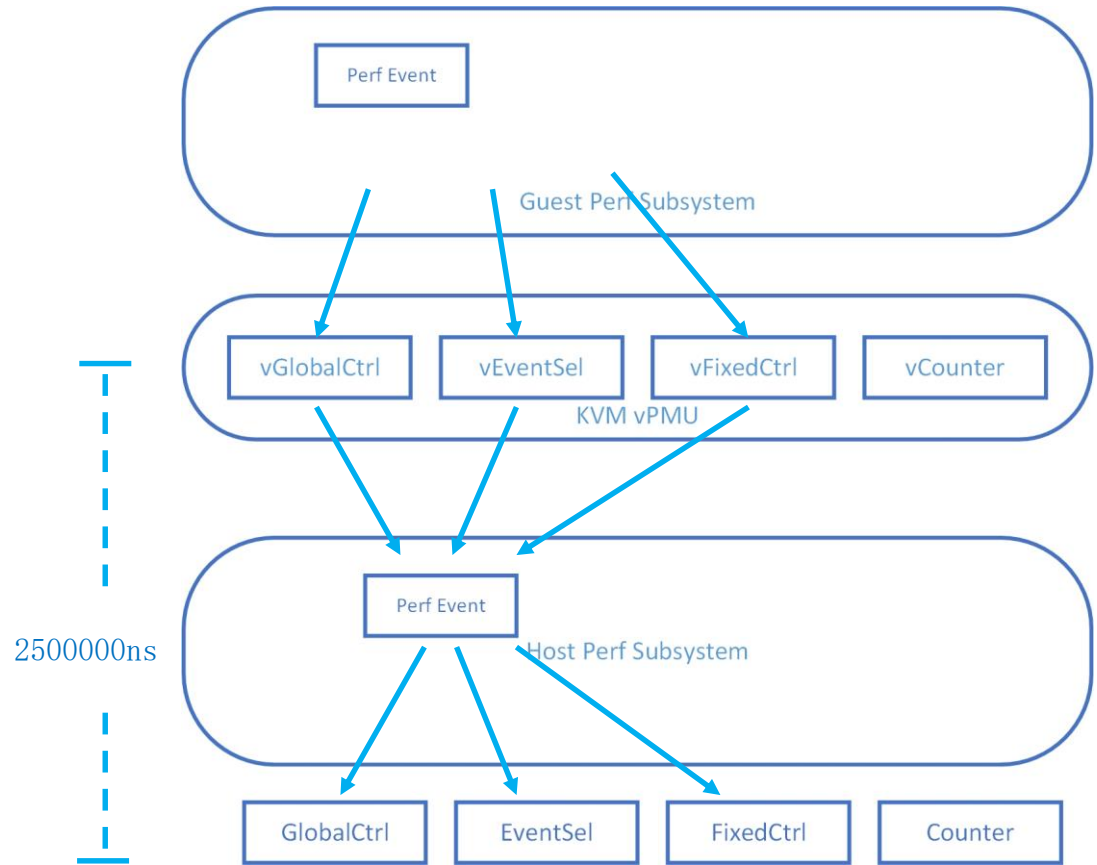
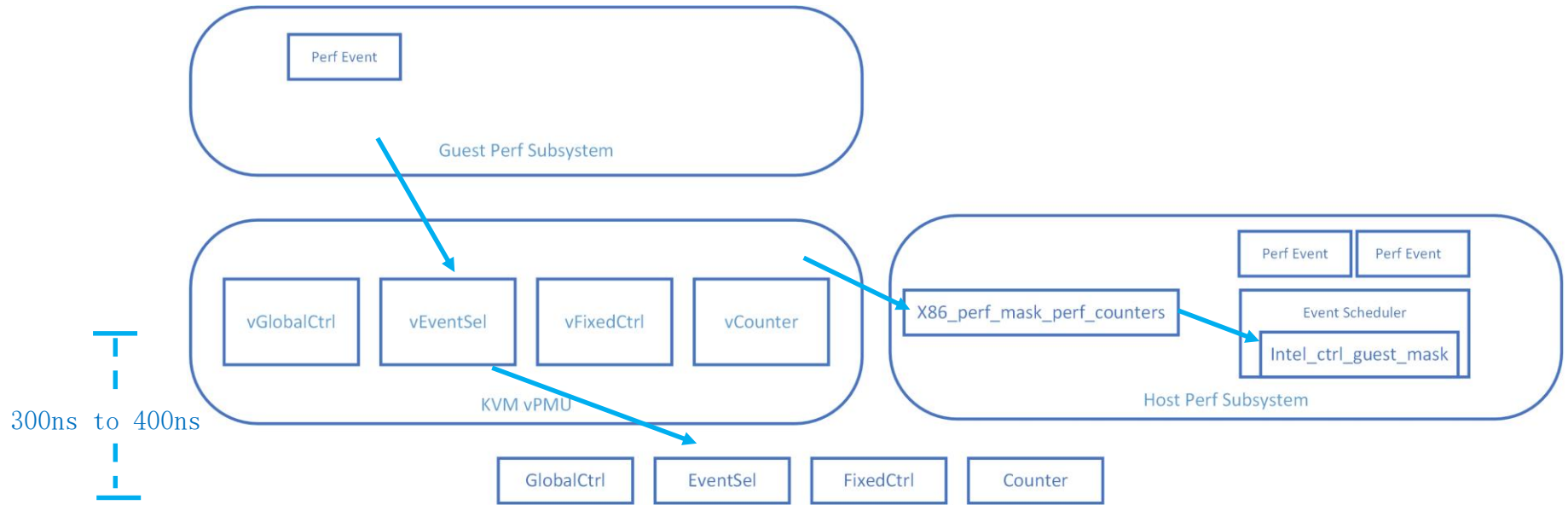


Traditional PMU Virtualization

- Guest changing any of the control registers needs to go through all the host perf software stack via releasing the old perf event and creating a new one
- After delivering a guest PMI, also need to re-do the above steps



Optimized PMU Virtualization



- Sync with the host perf core to reserve a counter for the guest to use
- Guest change of the vPMC MSRs are applied directly to the assigned physical PMC