?? Overcommitting ??? KVM hypervisor ???????? CPU ? Memory ??????????? qual-core CPU??? guest ????? vCPU ?????? 4 vCPU?RAM ?????????????????????? Overcommitting ????????????????????????????????????

Tip: Xen hypervisor ???? CPU Overcommitting?

????? RedHat ????????
http://www.redhat.com/docs/en-US/Red..._with_KVM.html

Overcommitting virtualized CPU

1. ??? guest ???? vCPU ???? CPU ????? CPU???? 100% ?????????????
2. ??????? vCPU ???? guest ????? vCPU?Linux ?????????????????? 100% ?? 5 vCPU ????? 1 vCPU?????? ???
3. ???????????????? core ?????? vCPU ?????? 4 vCPU ? guest ??????? dual-core CPU ????????????????? ??
4. ?? vCPU ???????? CPU ?????????????????????

Overcommitting virtualized RAM

?????????????????????? 100% RAM ?????? guest ???? RAM ???????
?? guest ?????????????????????????????????? Swap?????????? RAM + Swap ??????? guest ????? RAM????????? ?????? Swap ???????????? pdflush ?? swapping?????????????????????? guest ?????

?? Swap ??????

?0.5 ? RAM?? ?overcommit ratio ? RAM?= Recommended swap size

?? RAM = 8 G
???? Guest ???? RAM = 2G x 5 = 10G

0.5 ? 8G ? (10-8)G = 6G