**Report**

1. **System Spec.**

kenel version : 5.0.0-46-generic

OS : Ubuntu 18.02

CPU core : AMD Ryzen 5 2600X Six-core Processor

Memory : 16GB

1. **Show your screenshot to prove that you use Qemu**
2. **Which module did you modify in kernel? What do these modules use for?**
3. **Did you find any other OS image boot faster than ubuntu and why? Show your screenshot of your experiment.**
4. **Compare the boot time between general config and modify config & Show your screenshot of your experiment.**
5. **Show your screenshot to prove that your migrate is success.**
6. **Use different number of CPU core to test MNIST execution time and make a table.**
7. **Please simply explain what is the difference between cold migration, warm migration and live migration.**

**Power Management**

Power Management Debug Support disable

開啟debug support，用來debug

ACPI

Advanced Configuration and Power Interface disable

**Firmware Drivers**

Export DMI identification via sysfs to userspace disable

Add firmware-provided memory map to sysfs disable

**Bus options**

PCI Express ASPM control disable

PCI Express Downstream Port Containment support disable

PCI Express Precision Time Measurement support disable

**Wireless**

enable powersave by default disable

cfg80211 DebugFS entries disable