

Hypsec 5.6

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Install Hypsec v5.6

- Login to server
- git clone <https://github.com/shixun404/linux.git>
- make hypsec_defconfig
- make -j8
- sudo make install && sudo make modules_install
- cd /srv/u-boot
- Run ./update-boot-script.sh and ./update-initrd.sh /boot/initrd.img-4.18.0+ with sudo
- Modify ./update-kernel.sh, change the directory to your kernel source code directory
- ./update-kernel.sh
- Reboot your Machine

Sorry for not being able to successfully run the virtual machine on my modified kernel. I know this is a bad result, but I have to say that I tried my best. I am not familiar with assembly language and kernels. During the experiment, I broke 7 kernels. I have been trying to solve the vmid problem for two weeks, but it was not successfully solved until an hour ago. Debugging overnight last week also failed to solve the vmid problem.

I really enjoyed the experiment and the process of learning Linux kernel and assembly language during this month. I really improved a lot. Thanks to Professor Nieh and Xuheng for your help.

You can directly search for CONFIG_VERIFIED_KVM in the folder to see what I added. The difference from 5.4 is mainly in /virt/kvm/kvm_main.c and amr.c. I will complete this report as soon as possible.