MLN OS

(everyone's opensource operation system)

MLN Studio ☺ Copyleft 2025 GPLV3

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What is MLN OS?

It's an operation system with a kernel named nerkel. Nerkel is our free software and opensource kernel like Linux. But MLN OS is MLN Studio Stable First distro on Nerkel. Our point is having more libre project that will be more libre than linux. Because that:

1. Everyone (When I say everyone I mean asian programmers like russian progrmmers. And from a hello world programmer and a Kernel programmer can join too.) can be ours Contributor With a single email to our co-owner: mehradtorvalds@proton.me

2. Everything on it is free software and opensource on GPLV3 License. (That's a problem in linux. Something like Drivers on linux, aren't opensource and free software. And we wanna to share everything opensource and free software.)

3. That Will be use Strong Encryption on Passwords And Usernames and Something like it. Being Secure is Our's second important thing in this project after having freedom.

4. It will be use something like maybe linux filesystem because of programmers and developers know linux filesystem and creating a new filesystem isn't a good idea. Because it get working with it very hard.

5. It uses pacman (Arch linux package manager). Because it have a lot of useful packages!

6. We don't bloat our operation system or kernel with something that didn't use year by year!

7. Security and Freedom of our project is our red line!! And our servers are in asia, so nvidia and something like it can't do anything to us about copyright. And it's our positive point to other projects

What Features Will come to Nerkel or MLN OS?

It will be go faster and Securer. But You Think How?
1. If while booting It revive an Unauthorized Request, It shows An Security Alert And goes to nsecure mode (I tell what is nsecure in few lines later.)
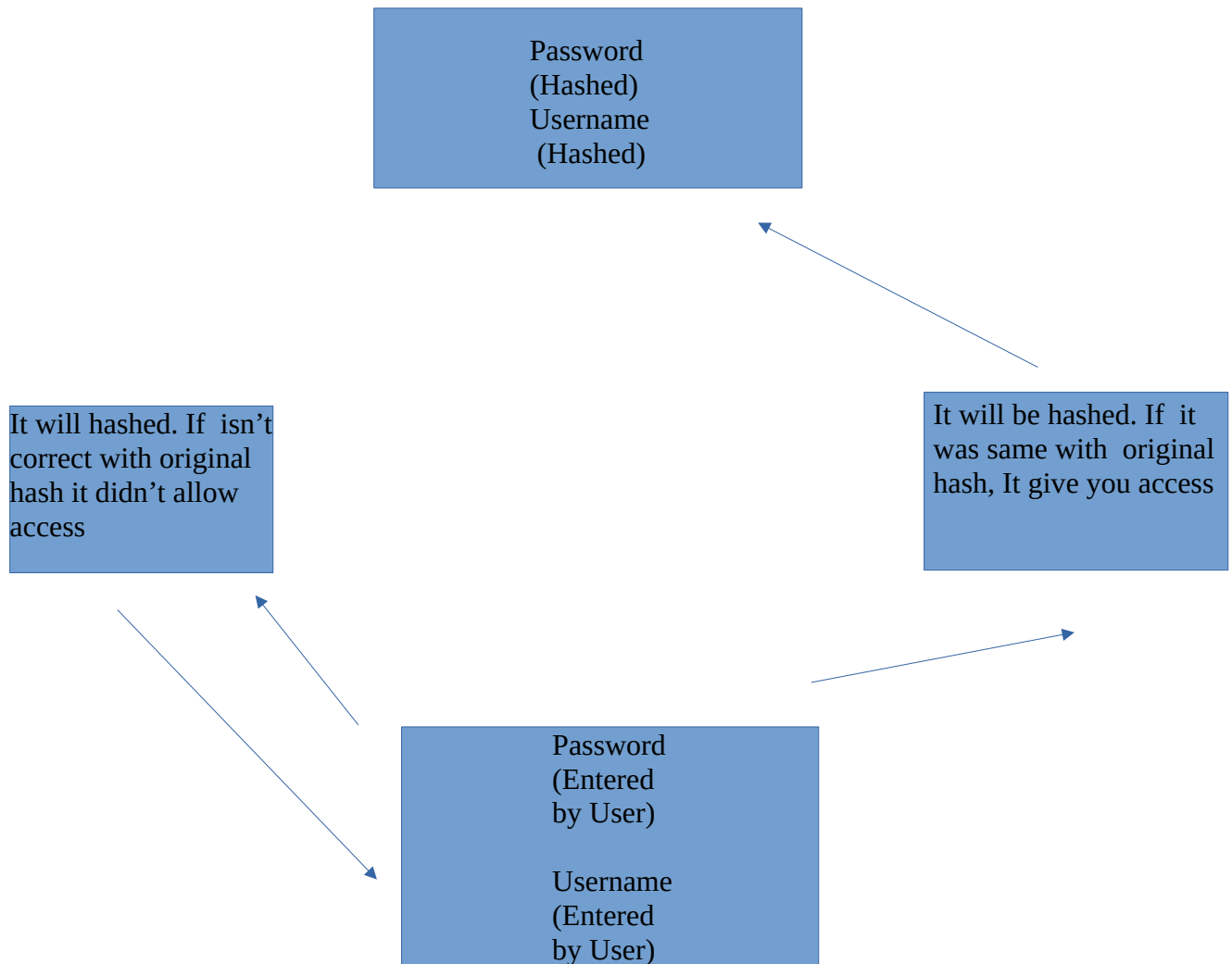
Security Alert !

You Recived Unauthorized Request While booting. You're going to Nsecure Mode For your security. Maybe Someone is trying to access your computer.

10 seconds...

2. We have nsecure mode. It Can be Enable Manual Or Automatic(For example What previous I said). Nsecure Is Like Single Tasking mode and only what you run will be showed. All ports(physical and virtual) will be closed. And you go to cli based space (We create it as well as you want in normal mode).

3. We Use SHA256 Hash for Passwords. When you give a username and password, It will hash. And after it When You want login again, It hash username and password you give and see is it correct or no. That's the algorithm:

Password
(Hashed)
Username
(Hashed)

It will hashed. If isn't correct with original hash it didn't allow access

It will be hashed. If it was same with original hash, It give you access

Password
(Entered
by User)

Username
(Entered
by User)

4. It uses Openrc. Because It's so light and fast.

 5. We have our own Bootloader. Not Grub bootloader. It's named Noader. It haven't Multiboot in first version (If you want a multiboot bootloader, You can Install it from "pacman -S grub" easily. Because We have Pacman package manager.)

 6. It uses app gurad. It mean no applecation can get any access without asking you. You need to input your password for that.

 7. It uses KARL or Kernel Relinking. It randomize Kernel parts While installation. It can help when a bug founded and Hackers Didn't know where is the bug while booting. Because Everyone have them own Randomized Kernel.

What Commands in shell Will be Changed?

There are a little change in commands that all programmers know in linux. It's not big and you can learn them as fast as you think.

1. Die: Shutdown command

2. Relive: Reboot command

3. Nate: Text editor (It's like Nano And it save everything with single ctrl+x and than any button.)

4. execute: Execute Files (execute /root/test.sh)

5. nsecure: Goes to nsecure mode.

6. Nit: Git manager of MLN Studio. If some packages you didn't find in pacman(arch linux package manager) You can Find them with Nit or this command: Nit Install <Name of Package>

If I found a bug How can I report it or How can I Join Contributors Of Nerkel And write my own Idea?

If you found a bug You can Report It to my email: mehradtorvalds@proton.me

And if you wanna Join Our Contributors Or Programming group, It's so simple. Email mehradtorvalds@proton.me and Say what you can do And what's your name. And I need to tell everyone can join and be a contributor, From a Hello world programmer to a Kernel Programmer!