ЯНДЕКС

Яндекс

Запускаем Linux: как изучать системы

Виктор Ашик куратор практики КИТ

Сложные системы

All problems in computer science can be solved by another level of indirection.

David John Wheeler FRS

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the problem to a different part of the overall network architecture) than it is to solve it.

(6a) (corollary). It is always possible to add another level of indirection.

RFC1925

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RFC1925: The Twelve Networking Truths

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RFC1925: The Twelve Networking Truths (1 April 1996)

Fundamental theorem of software engineering

We can solve any problem by introducing an extra level of indirection

David John Wheeler FRS

...except for the problem of too many layers of indirection

Kevlin Henney

Первый вывод

Learn English

Подходы к изучению систем

- Нисходящий (дедукция, анализ)
- Восходящий (индукция, синтез)



Один из подходов к построению систем

Второй вывод

Играйте с «кубиками»

Psychologist K. Anders Ericsson at Berlin's elite Academy of Music

- elite performers had each totaled 10,000 hours of practice
- there were no "naturals", i.e. musicians who effortlessly reached the top while practicing a fraction of the time their peers did
- there were no "grinds" either, i.e. people who worked very hard but didn't get to the top

http://wiki.dandascalescu.com/summaries/Malcolm_Gladwell_-_Outliers

Третий вывод

Серебряной пули не существует: практикуйтесь, читайте книги.

Системы для восходящего подхода

- Gentoo
- Linux From Scratch
- ArchLinux
- Минимальная установка любой системы

<@insomnia> Нужно выполнить всего три команды, чтобы поставить Gentoo. Это первая:

cfdisk /dev/hda && mkfs.xfs /dev/hda1 && mount /dev/hda1 /mnt/gentoo/ && chroot /mnt/gentoo/ && env-update && .
/etc/profile && emerge sync && cd /usr/portage && scripts/bootsrap.sh && emerge system && emerge vim && vi /etc/fstab && emerge gentoo-dev-sources && cd /usr/src/linux && make menuconfig && make install modules_install && emerge gnome mozilla-firefox openoffice && emerge grub && cp /boot/grub/grub.conf.sample /boot/grub/grub.conf && vi /boot/grub/grub.conf && grub && init 6

Linux From Scratch

http://www.linuxfromscratch.org/lfs/

ArchLinux

https://wiki.archlinux.org/

Яндекс

Имя Фамилия

Должность

Научная степень

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Дополнительная информация

Спасибо