№ 1

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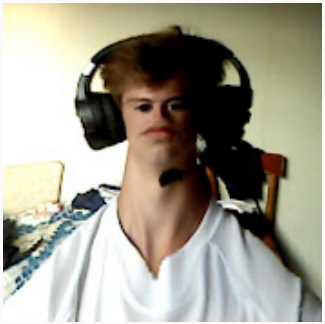
- 1132232881@rudn.ru
- https://github.com/erlisenkov



- UNIX/Linux,

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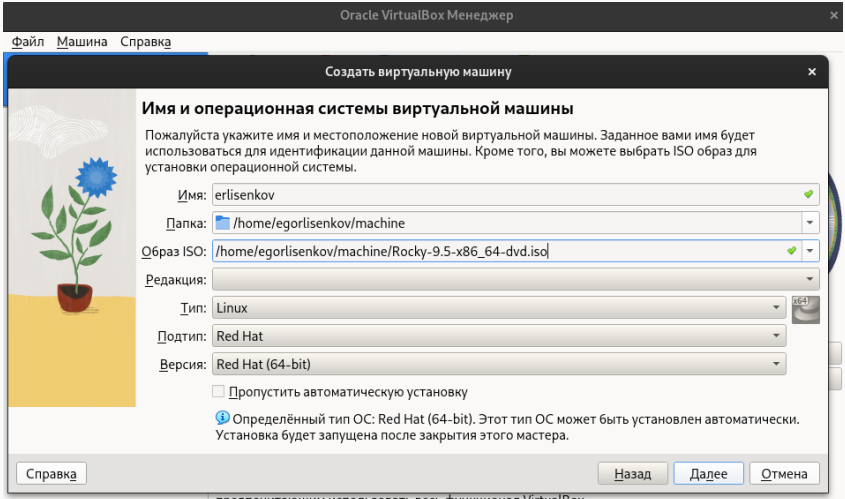
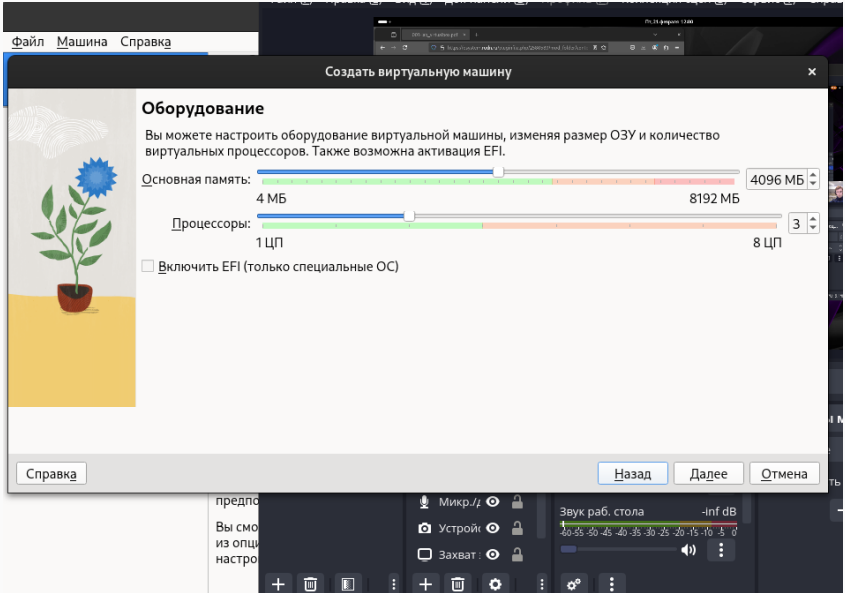
Rocky Linux .

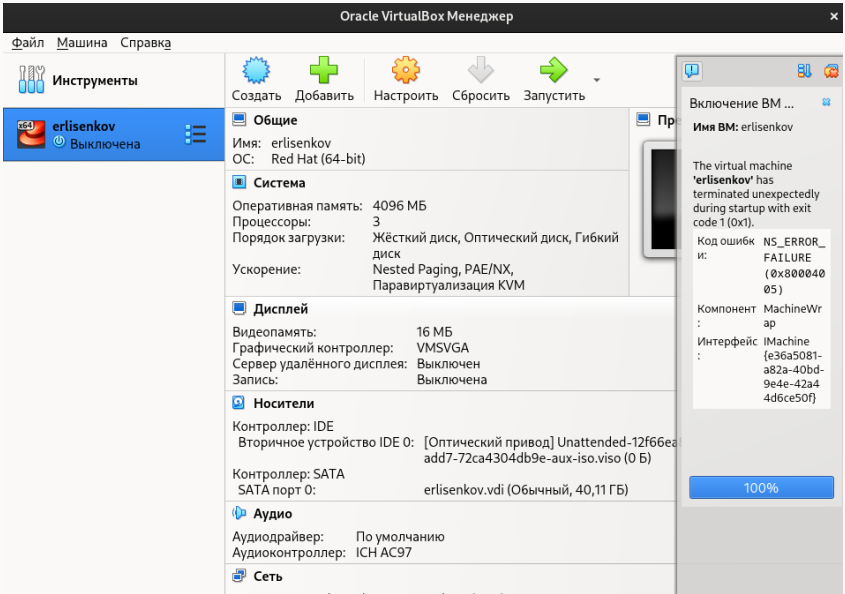
Virtual Box.


Oracle VirtualBox Менеджер
Файл Машина Справка
Создать виртуальную машину
Имя и операционная системы виртуальной машины
Пожалуйста укажите имя и местоположение новой виртуальной машины. Заданное вами имя будет использоваться для идентификации данной машины. Кроме того, вы можете выбрать ISO образ для установки операционной системы.
Имя: erlisenkov
Папка: /home/egorlisenkov/machine
Образ ISO: /home/egorlisenkov/machine/Rocky-9.5-x86_64-dvd.iso
Редакция:
Тип: Linux
Подтип: Red Hat
Версия: Red Hat (64-bit)
Пропустить автоматическую установку
Определённый тип ОС: Red Hat (64-bit). Этот тип ОС может быть установлен автоматически. Установка будет запущена после закрытия этого мастера.
Справка
Назад
Далее
Отмена
предпочитающим использовать весь функционал VirtualBox.
Вы сможете выставить базовый или экспертный уровень, выбрав одну из опций справа. Этот выбор может быть также изменён в глобальных настройках приложения или любой из виртуальных машин.

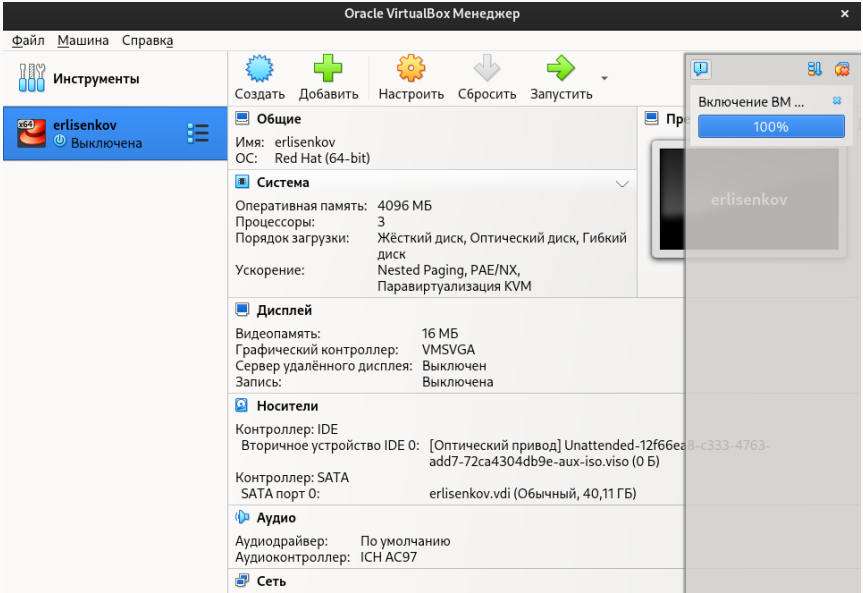
(.2)


Файл Машина Справка
Создать виртуальную машину
Оборудование
Вы можете настроить оборудование виртуальной машины, изменяя размер ОЗУ и количество виртуальных процессоров. Также возможна активация EFI.
Основная память:
4096 МБ
4 МБ
8192 МБ
Процессоры:
3
1 ЦП
8 ЦП
Включить EFI (только специальные ОС)
Справка
Назад
Далее
Отмена
Микр./д
Устройс
Захват
Звук раб. стола
-inf dB

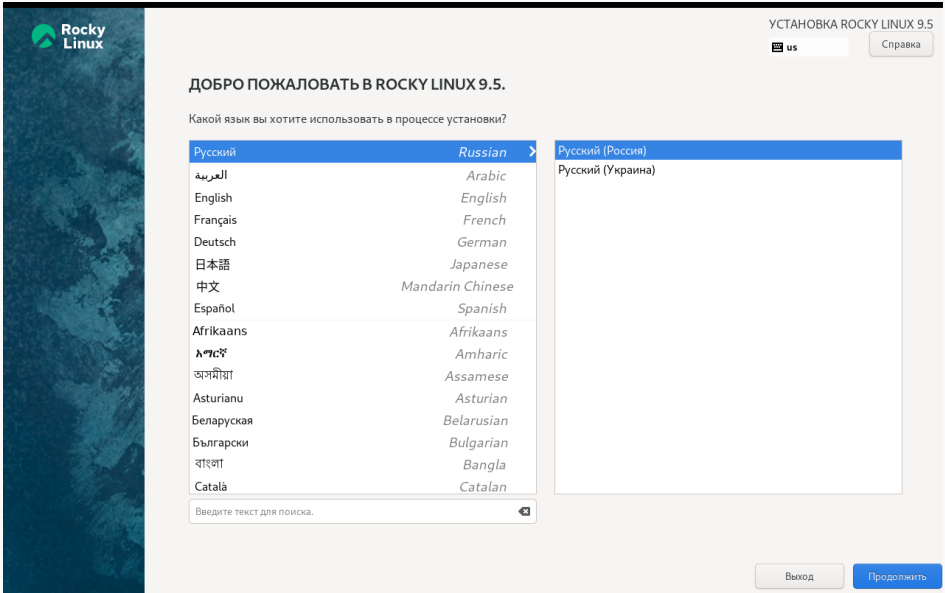
(. 3)


Oracle VirtualBox Менеджер
Файл Машина Справка
Инструменты
Создать Добавить Настроить Сбросить Запустить
erlisenkov
Выключена
Общие
Имя: erlisenkov
ОС: Red Hat (64-bit)
Система
Оперативная память: 4096 МБ
Процессоры: 3
Порядок загрузки: Жёсткий диск, Оптический диск, Гибкий диск
Ускорение: Nested Paging, PAE/NX, Паравиртуализация KVM
Дисплей
Видеопамять: 16 МБ
Графический контроллер: VMSVGA
Сервер удалённого дисплея: Выключен
Запись: Выключена
Носители
Контроллер: IDE
Вторичное устройство IDE 0: [Оптический привод] Unattended-12f66ea
add7-72ca4304db9e-aux-iso.viso (0 Б)
Контроллер: SATA
SATA порт 0: erlisenkov.vdi (Обычный, 40,11 ГБ)
Аудио
Аудиодрайвер: По умолчанию
Аудиоконтроллер: ICH AC97
Сеть
Включение ВМ ...
Имя ВМ: erlisenkov
The virtual machine 'erlisenkov' has terminated unexpectedly during startup with exit code 1 (0x1).
Код ошибки: NS_ERROR_FAILURE (0x80004005)
Компонент: MachineWrap
Интерфейс: IMachine {e36a5081-a82a-40bd-9e4e-42a44d6ce50f}
100%

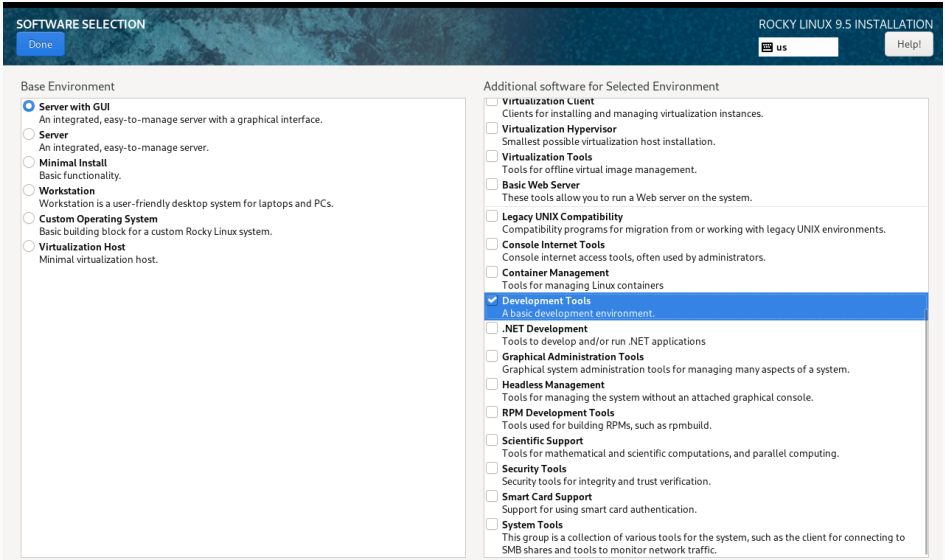
(.4)


Oracle VirtualBox Менеджер
Файл Машина Справка
Инструменты
Создать Добавить Настроить Сбросить Запустить
erlisenkov
Выключена
Общие
Имя: erlisenkov
ОС: Red Hat (64-bit)
Система
Оперативная память: 4096 МБ
Процессоры: 3
Порядок загрузки: Жёсткий диск, Оптический диск, Гибкий диск
Ускорение: Nested Paging, PAE/NX, Паравиртуализация KVM
Дисплей
Видеопамять: 16 МБ
Графический контроллер: VMSVGA
Сервер удалённого дисплея: Выключен
Запись: Выключена
Носители
Контроллер: IDE
Вторичное устройство IDE 0: [Оптический привод] Unattended-12f66ea8-c333-4763-add7-72ca4304db9e-aux-iso.viso (0 Б)
Контроллер: SATA
SATA порт 0: erlisenkov.vdi (Обычный, 40,11 ГБ)
Аудио
Аудиодрайвер: По умолчанию
Аудиоконтроллер: ICH AC97
Сеть
Включение ВМ ...
100%
erlisenkov

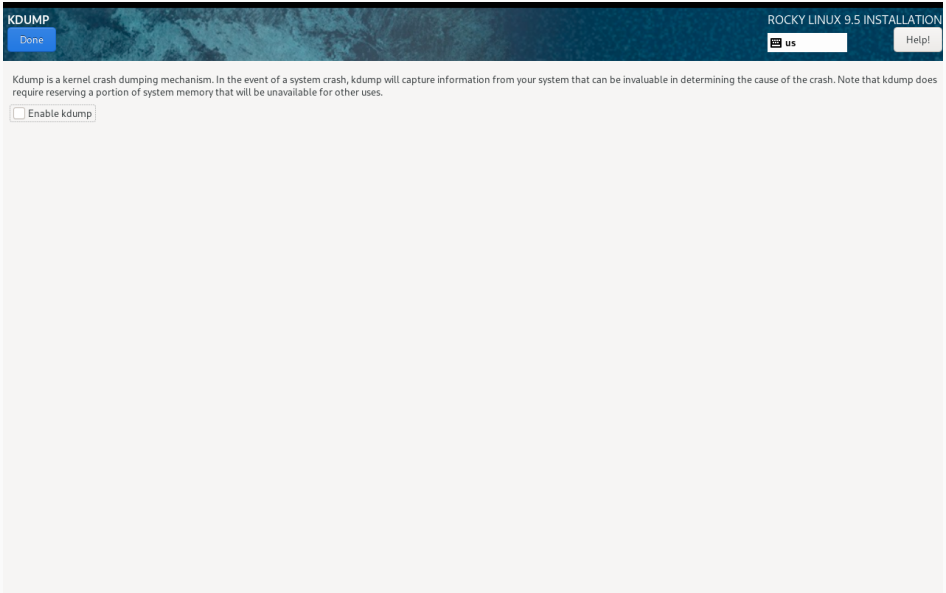
Linux (.5).

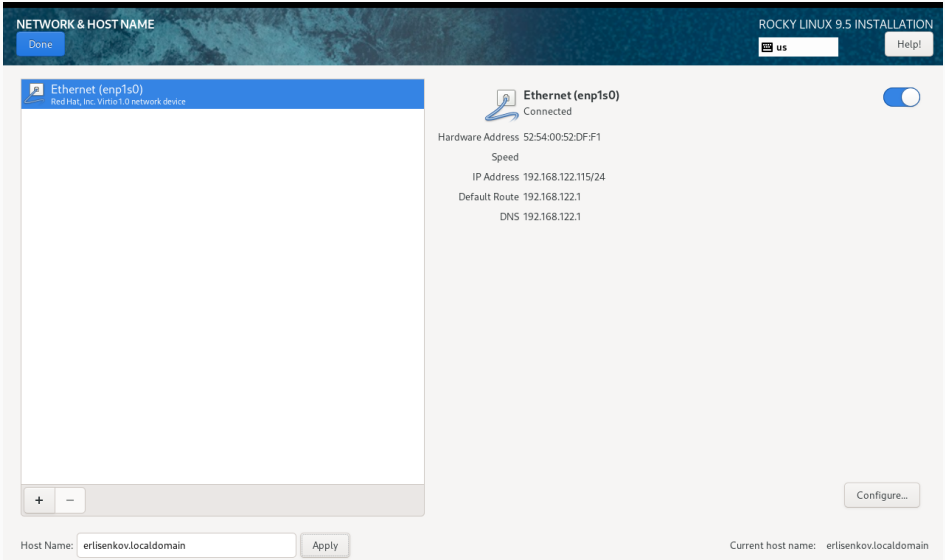

Rocky Linux
УСТАНОВКА ROCKY LINUX 9.5
us
Справка
ДОБРО ПОЖАЛОВАТЬ В ROCKY LINUX 9.5.
Какой язык вы хотите использовать в процессе установки?
Русский Russian
العربية Arabic
English English
Français French
Deutsch German
日本語 Japanese
中文 Mandarin Chinese
Español Spanish
Afrikaans Afrikaans
አማርኛ Amharic
অসমীয়া Assamese
Asturianu Asturian
Беларуская Belarusian
Български Bulgarian
বাংলা Bangla
Català Catalan
Русский (Россия)
Русский (Украина)
Введите текст для поиска.
Выход
Продолжить

(.6)

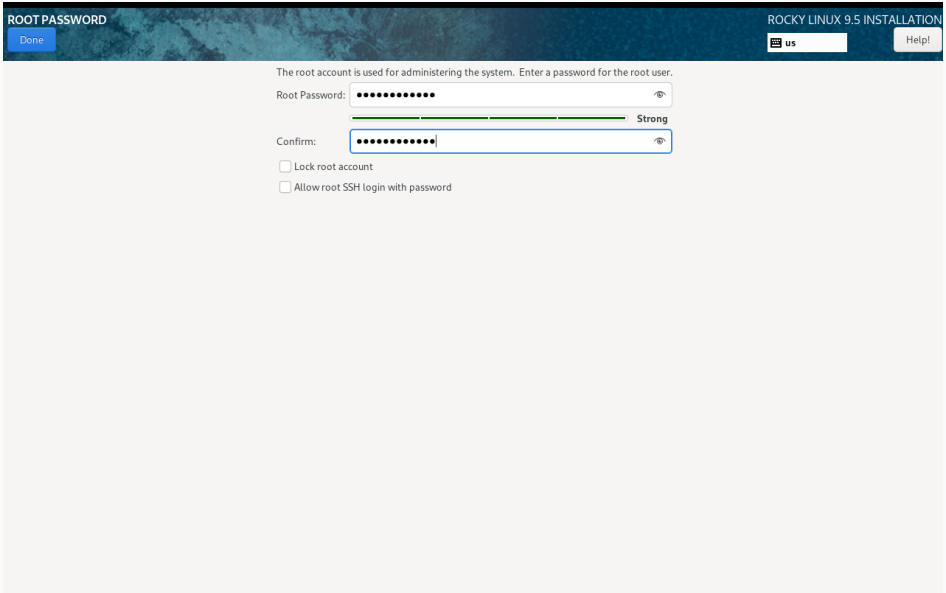

SOFTWARE SELECTION
Done
ROCKY LINUX 9.5 INSTALLATION
us
Help!
Base Environment
Server with GUI
An integrated, easy-to-manage server with a graphical interface.
Server
An integrated, easy-to-manage server.
Minimal Install
Basic functionality.
Workstation
Workstation is a user-friendly desktop system for laptops and PCs.
Custom Operating System
Basic building block for a custom Rocky Linux system.
Virtualization Host
Minimal virtualization host.
Additional software for Selected Environment
Virtualization Client
Clients for installing and managing virtualization instances.
Virtualization Hypervisor
Smallest possible virtualization host installation.
Virtualization Tools
Tools for offline virtual image management.
Basic Web Server
These tools allow you to run a Web server on the system.
Legacy UNIX Compatibility
Compatibility programs for migration from or working with legacy UNIX environments.
Console Internet Tools
Console internet access tools, often used by administrators.
Container Management
Tools for managing Linux containers
Development Tools
A basic development environment.
.NET Development
Tools to develop and/or run .NET applications
Graphical Administration Tools
Graphical system administration tools for managing many aspects of a system.
Headless Management
Tools for managing the system without an attached graphical console.
RPM Development Tools
Tools used for building RPMs, such as rpmbuild.
Scientific Support
Tools for mathematical and scientific computations, and parallel computing.
Security Tools
Security tools for integrity and trust verification.
Smart Card Support
Support for using smart card authentication.
System Tools
This group is a collection of various tools for the system, such as the client for connecting to SMB shares and tools to monitor network traffic.

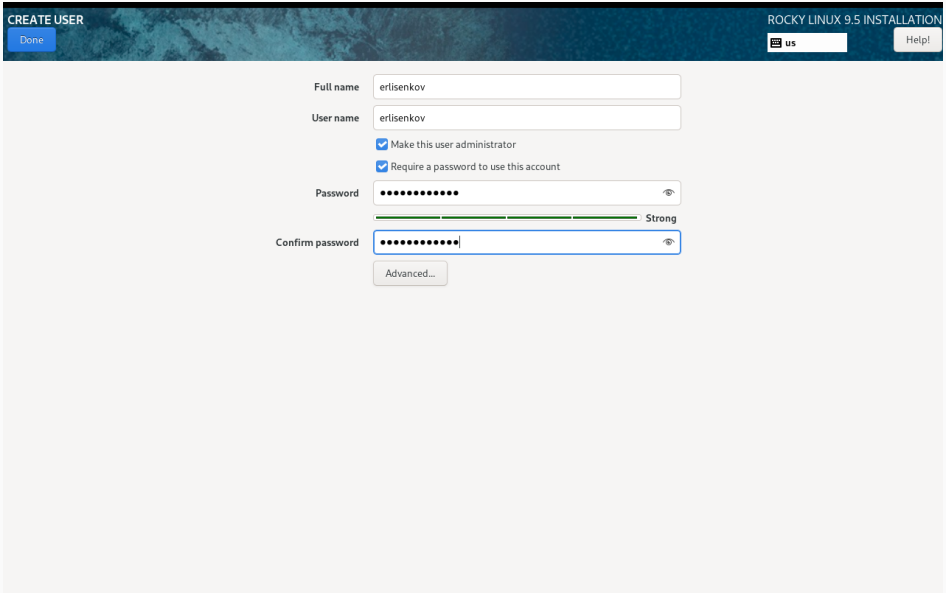
KDUMP (. 7)

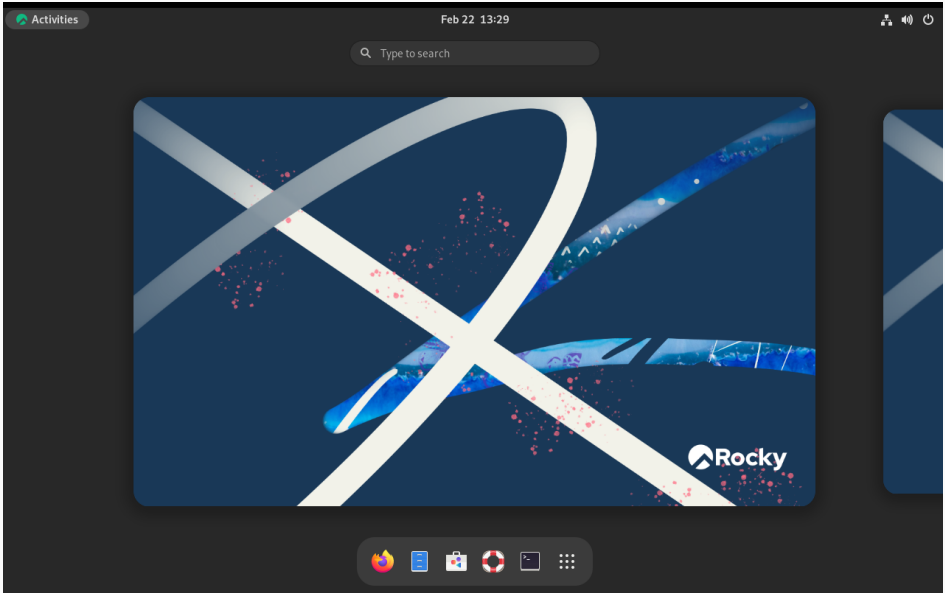

KDUMP
Done
ROCKY LINUX 9.5 INSTALLATION
us
Help!
Kdump is a kernel crash dumping mechanism. In the event of a system crash, kdump will capture information from your system that can be invaluable in determining the cause of the crash. Note that kdump does require reserving a portion of system memory that will be unavailable for other uses.
Enable kdump

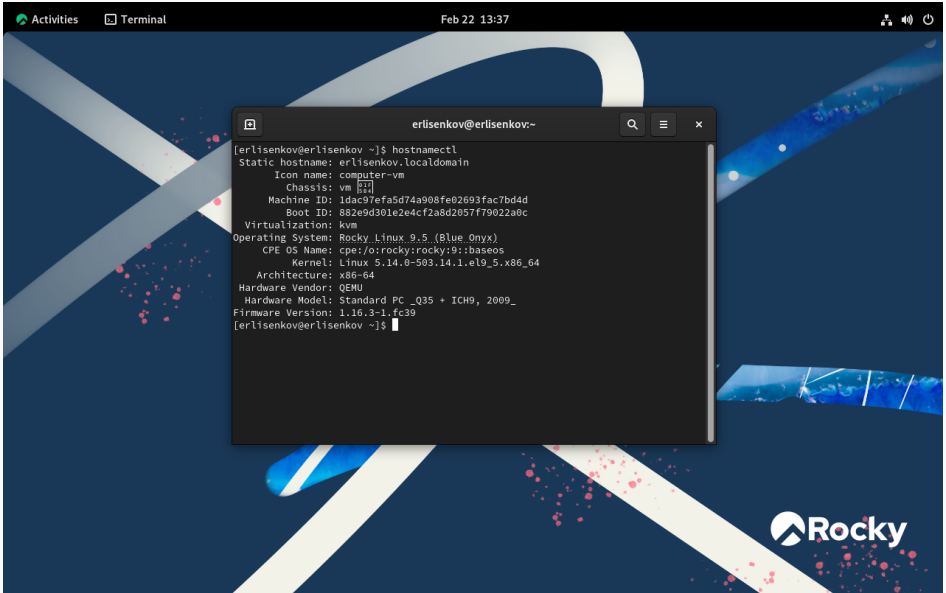

NETWORK & HOST NAME
Done
ROCKY LINUX 9.5 INSTALLATION
us
Help!
Ethernet (enp1s0)
Red Hat, Inc. Virtio 1.0 network device
Ethernet (enp1s0)
Connected
Hardware Address 52:54:00:52:DF:F1
Speed
IP Address 192.168.122.115/24
Default Route 192.168.122.1
DNS 192.168.122.1
+
−
Configure...
Host Name: erlisenkov.localdomain
Apply
Current host name: erlisenkov.localdomain

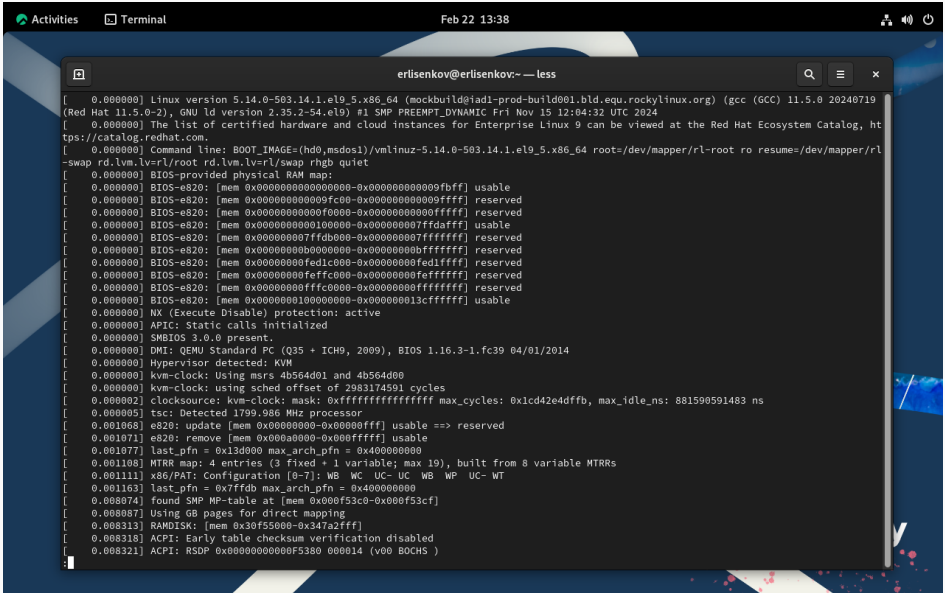
root

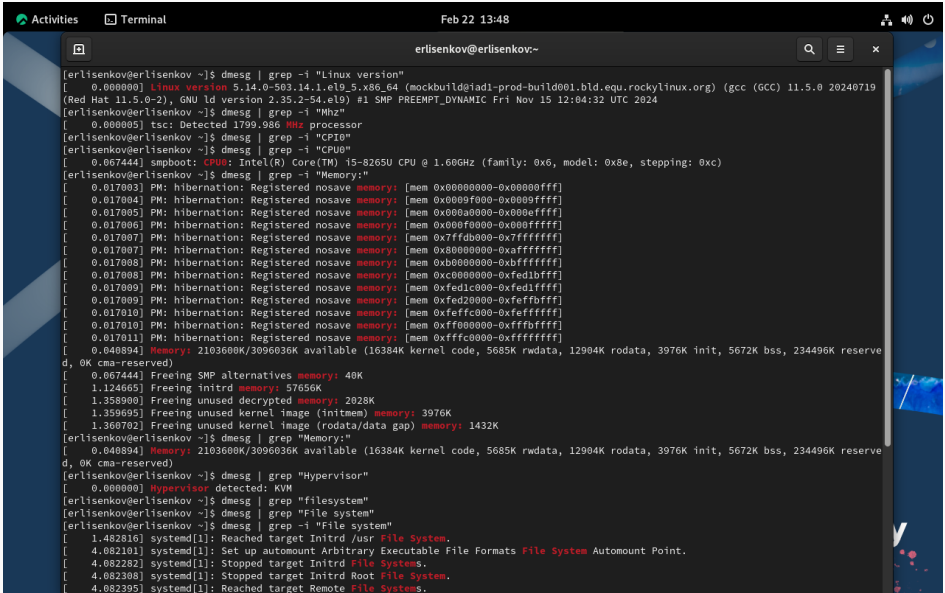

ROOT PASSWORD
Done
ROCKY LINUX 9.5 INSTALLATION
us
Help!
The root account is used for administering the system. Enter a password for the root user.
Root Password:
Strong
Confirm:
Lock root account
Allow root SSH login with password


CREATE USER
Done
ROCKY LINUX 9.5 INSTALLATION
us
Help!
Full name
erlisenkov
User name
erlisenkov
Make this user administrator
Require a password to use this account
Password
Strong
Confirm password
Advanced...


Activities
Feb 22 13:29
Type to search
Rocky


Activities
Terminal
Feb 22 13:37
erlisenkov@erlisenkov:~
[erlisenkov@erlisenkov ~]$ hostnamectl
Static hostname: erlisenkov.localdomain
Icon name: computer-vm
Chassis: vm
Machine ID: 1dac97efa5d74a908fe02693fac7bd4d
Boot ID: 882e9d301e2e4cf2a8d2057f79022a0c
Virtualization: kvm
Operating System: Rocky Linux 9.5 (Blue Onyx)
CPE OS Name: cpe:/o:rocky:rocky:9::baseos
Kernel: Linux 5.14.0-503.14.1.el9_5.x86_64
Architecture: x86-64
Hardware Vendor: QEMU
Hardware Model: Standard PC _Q35 + ICH9, 2009_
Firmware Version: 1.16.3-1.fc39
[erlisenkov@erlisenkov ~]$
Rocky


Activities
Terminal
Feb 22 13:38
erlisenkov@erlisenkov:~ — less
[0.000000] Linux version 5.14.0-503.14.1.el9_5.x86_64 (mockbuild@iad1-prod-build001.bld.equ.rockylinux.org) (gcc (GCC) 11.5.0 20240719 (Red Hat 11.5.0-2), GNU ld version 2.35.2-54.el9) #1 SMP PREEMPT_DYNAMIC Fri Nov 15 12:04:32 UTC 2024
[0.000000] The list of certified hardware and cloud instances for Enterprise Linux 9 can be viewed at the Red Hat Ecosystem Catalog, https://catalog.redhat.com.
[0.000000] Command line: BOOT_IMAGE=(hd0,msdos1)/vmlinuz-5.14.0-503.14.1.el9_5.x86_64 root=/dev/mapper/rl-root ro resume=/dev/mapper/rl-swap rd.lvm.lv=rl/root rd.lvm.lv=rl/swap rhgb quiet
[0.000000] BIOS-provided physical RAM map:
[0.000000] BIOS-e820: [mem 0x0000000000000000-0x000000000009fbff] usable
[0.000000] BIOS-e820: [mem 0x000000000009fc00-0x000000000009ffff] reserved
[0.000000] BIOS-e820: [mem 0x00000000000f0000-0x00000000000fffff] reserved
[0.000000] BIOS-e820: [mem 0x0000000000100000-0x000000007ffdafff] usable
[0.000000] BIOS-e820: [mem 0x000000007ffdb000-0x000000007fffffff] reserved
[0.000000] BIOS-e820: [mem 0x00000000b0000000-0x00000000bfffffff] reserved
[0.000000] BIOS-e820: [mem 0x00000000fed1c000-0x00000000fed1ffff] reserved
[0.000000] BIOS-e820: [mem 0x00000000feffc000-0x00000000feffffff] reserved
[0.000000] BIOS-e820: [mem 0x00000000fffc0000-0x00000000ffffffff] reserved
[0.000000] BIOS-e820: [mem 0x0000000100000000-0x000000013cffffff] usable
[0.000000] NX (Execute Disable) protection: active
[0.000000] APIC: Static calls initialized
[0.000000] SMBIOS 3.0.0 present.
[0.000000] DMI: QEMU Standard PC (Q35 + ICH9, 2009), BIOS 1.16.3-1.fc39 04/01/2014
[0.000000] Hypervisor detected: KVM
[0.000000] kvm-clock: Using msrs 4b564d01 and 4b564d00
[0.000000] kvm-clock: using sched offset of 2983174591 cycles
[0.000002] clocksource: kvm-clock: mask: 0xffffffffffffffff max_cycles: 0x1cd42e4dffb, max_idle_ns: 881590591483 ns
[0.000005] tsc: Detected 1799.986 MHz processor
[0.001068] e820: update [mem 0x00000000-0x00000fff] usable ==> reserved
[0.001071] e820: remove [mem 0x000a0000-0x000fffff] usable
[0.001077] last_pfn = 0x13d000 max_arch_pfn = 0x400000000
[0.001108] MTRR map: 4 entries (3 fixed + 1 variable; max 19), built from 8 variable MTRRs
[0.001111] x86/PAT: Configuration [0-7]: WB WC UC- UC WB WP UC- WT
[0.001163] last_pfn = 0x7ffdb max_arch_pfn = 0x400000000
[0.008874] found SMP MP-table at [mem 0x000f53c0-0x000f53cf]
[0.008087] Using GB pages for direct mapping
[0.008313] RAMDISK: [mem 0x30f55000-0x347a2fff]
[0.008318] ACPI: Early table checksum verification disabled
[0.008321] ACPI: RSDP 0x00000000000F5380 000014 (v00 BOCHS)
:


Activities
Terminal
Feb 22 13:48
erlisenkov@erlisenkov:~
[erlisenkov@erlisenkov ~]$ dmesg | grep -i "Linux version"
[0.000000] Linux version 5.14.0-503.14.1.el9_5.x86_64 (mockbuild@iad1-prod-build001.bld.equ.rockylinux.org) (gcc (GCC) 11.5.0 20240719
(Red Hat 11.5.0-2), GNU ld version 2.35.2-54.el9) #1 SMP PREEMPT_DYNAMIC Fri Nov 15 12:04:32 UTC 2024
[erlisenkov@erlisenkov ~]$ dmesg | grep -i "Mhz"
[0.000005] tsc: Detected 1799.986 MHz processor
[erlisenkov@erlisenkov ~]$ dmesg | grep -i "CPI0"
[erlisenkov@erlisenkov ~]$ dmesg | grep -i "CPU0"
[0.067444] smpboot: CPU: Intel(R) Core(TM) i5-8265U CPU @ 1.60GHz (family: 0x6, model: 0x8e, stepping: 0xc)
[erlisenkov@erlisenkov ~]$ dmesg | grep -i "Memory:"
[0.017003] PM: hibernation: Registered nosave memory: [mem 0x00000000-0x00000fff]
[0.017004] PM: hibernation: Registered nosave memory: [mem 0x0009f000-0x0009ffff]
[0.017005] PM: hibernation: Registered nosave memory: [mem 0x000a0000-0x000effff]
[0.017006] PM: hibernation: Registered nosave memory: [mem 0x000f0000-0x000fffff]
[0.017007] PM: hibernation: Registered nosave memory: [mem 0x7ffdb000-0x7fffffff]
[0.017007] PM: hibernation: Registered nosave memory: [mem 0x80000000-0xafffffff]
[0.017008] PM: hibernation: Registered nosave memory: [mem 0xb0000000-0xbfffffff]
[0.017008] PM: hibernation: Registered nosave memory: [mem 0xc0000000-0xfed1bfff]
[0.017009] PM: hibernation: Registered nosave memory: [mem 0xfed1c000-0xfed1ffff]
[0.017009] PM: hibernation: Registered nosave memory: [mem 0xfed20000-0xfefbffff]
[0.017010] PM: hibernation: Registered nosave memory: [mem 0xfeffc000-0xfeffffff]
[0.017010] PM: hibernation: Registered nosave memory: [mem 0xff000000-0xfffbffff]
[0.017011] PM: hibernation: Registered nosave memory: [mem 0xfffc0000-0xffffffff]
[0.040894] Memory: 2103600K/3096036K available (16384K kernel code, 5685K rwdata, 12904K rodata, 3976K init, 5672K bss, 234496K reserve
d, 0K cma-reserved)
[0.067444] Freeing SMP alternatives memory: 40K
[1.124665] Freeing initrd memory: 57656K
[1.358900] Freeing unused decrypted memory: 2028K
[1.359695] Freeing unused kernel image (initmem) memory: 3976K
[1.360702] Freeing unused kernel image (rodata/data gap) memory: 1432K
[erlisenkov@erlisenkov ~]$ dmesg | grep "Memory:"
[0.040894] Memory: 2103600K/3096036K available (16384K kernel code, 5685K rwdata, 12904K rodata, 3976K init, 5672K bss, 234496K reserve
d, 0K cma-reserved)
[erlisenkov@erlisenkov ~]$ dmesg | grep "Hypervisor"
[0.000000] Hypervisor detected: KVM
[erlisenkov@erlisenkov ~]$ dmesg | grep "filesystem"
[erlisenkov@erlisenkov ~]$ dmesg | grep "File system"
[erlisenkov@erlisenkov ~]$ dmesg | grep -i "File system"
[1.482816] systemd[1]: Reached target Initrd /usr File System.
[4.082101] systemd[1]: Set up automount Arbitrary Executable File Formats File System Automount Point.
[4.082282] systemd[1]: Stopped target Initrd File Systems.
[4.082308] systemd[1]: Stopped target Initrd Root File System.
[4.082395] systemd[1]: Reached target Remote File Systems.

!