Установка ОС Rocky

Часть 1

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6 сентября 2025

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Докладчик

```
:::::::::::: {.columns align=center} ::: {.column width="70%"}
```

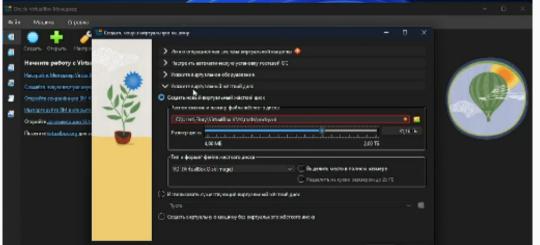
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```
::: ::: {.column width="30%"}
```

Вводная часть

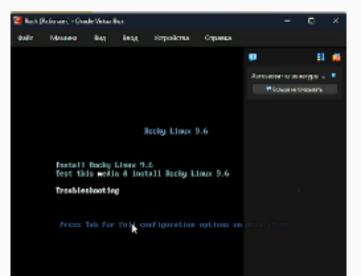
Установка операционной системы

Первым делом добавим образ Rocky в VirtualBox



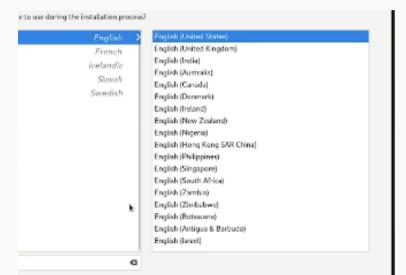
Установка

Перейдем к установке операционной системе Rocky.



Язык интерфейса

Сделаем язык интерфейса английским.



Настройки выбора программ

Откроем настройки установки: выбор программ.

briebles the system to attach to network storage.
Nebwork Servens
These puckages include network-based servers such as DHCP, Kerberos and N.S.
Performance Tools
Tools for diagnosing system and application-level performance problems.
Remote Desktop Clients
Remote Management for Linux
Remote management interface for Rocky Linux.
Windows File Server
This package group allows you to share files between Linux and MS Windows(tm) systems.
Virtualization Client
Clients for installing and managing virtualization instances.
Virtualization Hypervisor
Smallest possible virtualization host installation.
Virtualization Tools
Tools for affine 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.
Consels internet Teels
Console internet access tools, often used by administrators.
Container Management
Tools for managing Linux containers
✓ Development Tools
Abasic development environment.
.NET Development
Tools to develop and/occur. NET applications

Отключение KDUMP

Отключим функцию KDUMP.



Рис. 5: sc5

Включение сетевого соединения

Нам нужно включить сетевое соединение и в качестве имени узла установим свое имя пользователя.



Рис. 6: sc6

Установка root пароля

Далее нам требуется установить пароль для root при использовании SSH, установим его.

ROOT PASSWORD			BOOKY INUK 9.6 INSTAILATE ES se
	Therootaccount	is used for administering the system. Enter a password for the root use	e.
	Root Password:	******	
		West	
	Confirms]
	_ tock root acc	ount	
	☐ Allemost St	SH log in with putoword	

Рис. 7: sc7

Права администратора

Затем зададим локального пользователя с правами администратора и зададим пароль.

la vérnak igyar		
Make this user add Require a posswood	ccount	Ŧ
		Tee short
		*

Рис. 8: sc8

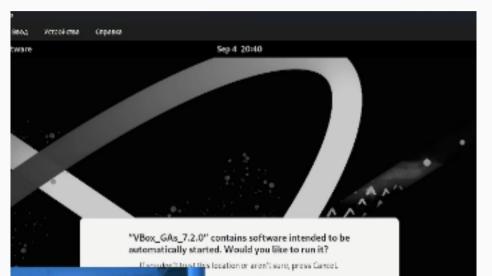
Установка

Запустим установку.

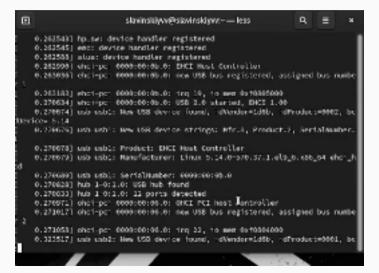


Подключение образа диска дополнений

Нам нужно подключить образ диска дополнений гостевой ОС. Подключим.



Посмотрим вывод команды dmesg | less.



Вывод версии ядра

А с помощью команды dmesg | grep -i, можно найти то, что хотим найти. Давайте посмотрим версию ядра Linux.

```
cheag | team
 slavinskiyyyaslavinskiyyy - 5 dmesg | grep -i timux
     e.cometer: | finar version p.14. e-pre. pr. ; .ela e. xsp. pa (nockbufldsfad: -prod-bufldset.b
id.egu.rockylimus.org) (gcc (600) 11.5.0 20010 %9 (Red Hat 11.5.0-5), 660 td verston 2.35
2-63.els) #1 SMP PREDMPT DWHANTO Thu Aug 28 10:41:06 UTC 2005
     0.000000 The list of certified hardware and cloud instances for Enterprise
can be viewed at the Red Hat Doosystem Catalog, https://catalog.redhat.com.
     0.000142 LSM: initializing lsm-lockdown.capability.landlock.yama.integrity.sel
bof
    0.000102 SELimux: Instiniteing.
    6.239736 pps_core: LiminFPS API ver. 1 registered
     6.200730 pps core: Sufferer ver. 5.3.6 - Copyright, 2005-2007 Redulfo Signet II rejon
etti di imm. itz
    6.278679; usb usb); Newsfacturer; Linux 5.14.6-579.37, 1.619.6.x86.64 etc.; hed
    6.323524 ash ush2: Resultacturer: Linux 5.14.0-579.37.1.e19 6.x86 64 shct had
     6.846275 Loaded X.569 cent 'Rocky Enterprise Software Foundation: Rocky
                                                                                     Denive
  5 gring Cort 161: cc537/6c615c638114acbb61233a5b61b93a1971*
     8.848286 tooded x.589 cert 'Worky Enterprise Software Foundation: Morky
                                                                                     Mooth
h scentine Cent 181: Mee83c783e67echeae6888a51879368b86819c51
     0.848295; Loaded X.509 cert 'Rocky Enterprise Software Foundation: Rocky
                                                                                     THA
returned ste CA: 811
     6.844834) eve: security.se
```

Посмотрим частоту процессора.

```
strain-skiwwikstrainskiwas -
 匝
   8.816495) SEction: policy capability gents_seclabel_symitoks.i.
    3.081157 such t: type 1480 mudit(1757008288, 254; 2): mudit 4284967285 sea 4284967285 !
         res*1
    3.882626) systemd[1]: Successfully loaded Schimum policy in 217.8658s.
    -APPRISHOR +THE +SHECK +SECCORP +SCRYPT +GRUTLS +OPERISE +ACL +GLKTD +CLRL +ELPUTLS
*FEBOQ *BDN2 -3DN4 -3PTC *KNOD *LEBCRYPTSETUP *LEBFDISK *PCBE2 -PWOUALSTY *P11KET -GRENCO
C (TENZ (DZZP1 (LZ4 (XZ (ZLEG (ZSED DEF FRANCHORK (KKDCOMMEN (UTMY (SYSVENIT default h)
marchy-unified)
    4.823626 17:51:29.956594 marin
                                     VBoxService 7.2.0 r270228 (verbosity) 0) 16mm.am
964 (Aug 13 2005 22:11:08) release log
    4.023605 17:51:29.990578 marm 05 Product:
             17:51:29.990762 main Puckage type: LIMBE 640ETS_GOMERIC
staminski svogstav inski yev = 15 dnese 1 grep = i Mnz.
    6.888665 too: Detected 2563,556 Milk processor
    1.741636; #1996 6096:60:43.0 #th0: 'PCT:339HI::30-64tl 46:00:27:1c:12:ac
alarinskiyyeğalayınskiyey - 15 desag | grep -i Maz processor
prept processor: No such file or directory
planinskiyev@play mskryev = 5 dwcag | grup =i procupsor
    element' rock percented ases, ase sea :
   9.1397757 support: Total of 5 processors activated 199699.96 RoseRIPS)
   0.190060; ACPI: Added _OSI[Processor Device]
    0.198661 ACPI: Added _OSI[Processor Aggregator Device)
  avinski vyvas lavinski vyv. -15
```

D 40 40

Далее посмотрим модель процессора.

```
Ð
                                slavinskiyyv@slavinskiyyv.-
    9.9142721 CPU topo: Num. threads per package: 5.
    0.014272) CPU topo: Allowing 5 present CPUs plus 0 hotplug CPUs
    0.018947 setup pergus NR CPIS:0192 nr opimask brits:5 nr ope_rds:5 nr_node_rds:1
    6.819113 percent cabedded 64 pages/ope $229186 r8192 d18972 u1848878
   electric post-alloc: szzegee retuz dzeniz uzewene alloc-tyzeeriez
   e.elegiei prou-alloc: [9] e 1 [9] 2 2 [9] 4 -
    0.040532' SEUS: Healten-64, Order-0-3, WinObjects-0, GME-5, Hodes-1.
                      BCU restricting CPUs from MR_CPUS=5292 to nr_cpu_nds=5.
    0.047551 reus
    0.047554) rou: Adjusting geometry for rou famout leaf-16, nr ope ids-5
    6.058606 RETBleed: wMRMEMO: Spectre v2 witrgation leaves cru vulnerable to RETBleed
attacks, data leaks possible:
    0.052627 MMIO State Data: Vulnerable: Clear CPU buffers attempted, no encrocade
    0.171663 ampropt: CPU0: Intel:R: Core(TN) 5 104000 CPU 9 2.90000 (Family: 0x5, mod
de dead, slauping: 6x5)
    6.171887 Performance Events: unsupported på CPU model 165 no PMU driver, software c
vents only.
    0.1747521 sup: Entrastrie up secondary CPUs ....
    0.174623 .... rode #0. (BUs: #1 #1 #3 #4
    6.186772 sept Brought up 1 rooks 5 0915
    6.189679' spurifies using governor nero
   9.1966857 onyote: may can glen set to 1968.
   0.2106381 ACPE: QSC evaluation for CPUs failed, trying POC
    0.325015 intel_patate: CFU model not supported
 Clavinski vyvaslavinski vyv -15
```

Вывод доступной ОЗУ

Посмотрим объем доступной оперативной памяти.

```
ඬ
                                      slavinskiyoo@alavinskiyo.:-
    D.034286) PM: hibernation: Registered measure memoria: [new 0:00000000-0:000000fff]
    published PH: Piberration: Registered reserve momory: (new output/top-cumposiffff)
    p.ec4233] PH: hibernation: Megistered assays memory: [new systematomer-communifff]
    0.014289] PM: Piberration: Resistered measure memory: [new Gubenfiles-lucedffff]
    D.011229] PM: hibernation: Registered mosave mesons: [hee GodfffCD00-Codfffffff]
    D.014290] FM: hibernation: Registered reserve memory: [new Gracoccoop Cofebfffff]]
    D.014101) FM: riberration: Degistered reserve memory: (new OxfectDDO-CxfectDfff)
    0.014201] PM: Fiberration: Registered resays memory: [tem 0.fec01000-0.fedfffff]
    D.014391] PM: Piberration: Registered measure memoris: [tem Gufee00000-Cufee00fff]
    D.0142921 PM: Piberration: Resistered mesave mesars: Them Osfee01000-Caffftffff1
    D.0142921 PM: hibernation: Seriatored masses meaned from Cattle 2000 Cattle 2011
    3.640330] Remove: 34132128.633551528 are Hable 4162548 Agrand Code, 57558 (adult, 136318 (adu
ta, 48488 init, 7884K bss, 585516K reserved, SK cha-reserved)
    D.A64188] Freeing STP Alternatives moment 45K
    D.1878731 x86/nm; Semany block pipe; 12898
    0.2621221 Mer-splatite memory drayer va.3
    D.852768] Freeing, inited months 555488
    0.092882] Freeing unused decrepted session 20288.
    0.6824781 Erector urused be not those (introca) names: cases.
    0.9829351 Freeing urused kernel inose (rodate/date pap) mesery: 704K
    1.802204] amegic 0020:00:00:00:00:00 | jersey mesors limits: #RAH - 10384 Mig. #2FD - 2046 Fig.
 surface - screen dis-
    1.805209] www.gfw ecosies.og.e: [drn] Hawtman display memory size is 16584 #16
[slavinskiwywelayinskiww -1s
```

Тип обноруженного гипервизора.

```
alasinaktysufalasinaktyss = [5 dmasg | grap =: Memory asarlable
 seer available. So such I be or directory
slevinskiyvesolarinstiyev -1t dwess | gres -1 avarlable
    B. BETTHEET OR mode B. Truce DEA: | pages in uni-
                                                                DOM: NAME OF
    0.007631] On node 0, zone 08A: 97 pages in una-
                                                                nanges.
    0.813946] On node 0, zone Hormal: 16 pages in un
    U.SIAZZAJ jese OsetOSSEO Osfesfffff, mariest for fli devices
U.SESSEJ Memoky: SALZZZZK/SZSSISZK mariesto (16350K Mermel code, sytos rada
a, cosex tort, 756ck bee, 5685158 reserved, 9k cma-reserved)
0.000000]
    e.e56928] S1856: Whitnown: Dependent on Management of September 9.956929] GDS: Unknown: Dependent on Management of September 9.
                                                          Status
                                                    ** Status
    1.809154] verytx 8000:80:02.0: [dref -ERSOR- verytx seems to be running on an
storinski vertstavinski ver +15
```

Рис. 16: sc16

Вывод тип файловой системы и последовательности монтирования

И в конце посмотрим тип файловой системы и последовательность монтирования файловых систем

```
€
                                      slavinski vredislavinski ver-
     D.0550201 SP005: Unknown: Dependent on Aupervisor status
     0.055029] CDS: Unknown: Expendent on hypervisor.
                                                     at atus
     1.885154) ymagin 8850:88:02.8: [dimit vERFOR* ymagin seems to be remaine on an ensupersted
 slavinskiyosislavinskiyov -lit dnesg | grep -i file-
     1.105106] systemd[1]: Rearbed target Instrud /use File System.
     2.452631 J RFS (cm-6): Houriting VS Pflatoys tem 3de013b5-2525-46ac-bc3d-c206386696-0
     3.335245) systemd[1]: Set up entoment Arbitrary Executable File Formats File System Automos
or serior.
     3.885285] systemd[1]: Stopped target Insterd File Systems.
     1.225102] systemd[1]: Stopped target Instruction File System.
     3.335364] avatend[1]: Berthed target Benote File Systems.
     3.593412] systend[2]: Hourting Hope Pages File System...
     s.vastarl systemd[1]: Hourting PUSIX Hessage queue Fills System...
     3.595123] systemd[1]: Hounting Kennel Debug File System...
     3.595924] systemd[1]: Hounting Kenrel Trace File System...
     3.603507] systend[1]: Stopped Film System Check or Root Device.
     3.620546) systemd(1): Starting Remount Scot and Marmel Film Systems...
     3.617431] systemd[1]: Hounted Huge Pages File
     3.6175201 sustend[1]: Hoursted FOSEb Nessage Guess File Susten.
     1.617612] systemd[1]: Hounted Kernel Debug File System.
     3.617745| availability Hounted Rennel Trace Fills System.
     4.397334) 375 (selat): Herntime IVS Filesestem 5098cv64-0264-4464-cc64-c0717c064641
 slavinskiyvvaslavinskiyvv -15
```