

архитектура операционных систем

Лабораторная работа №1

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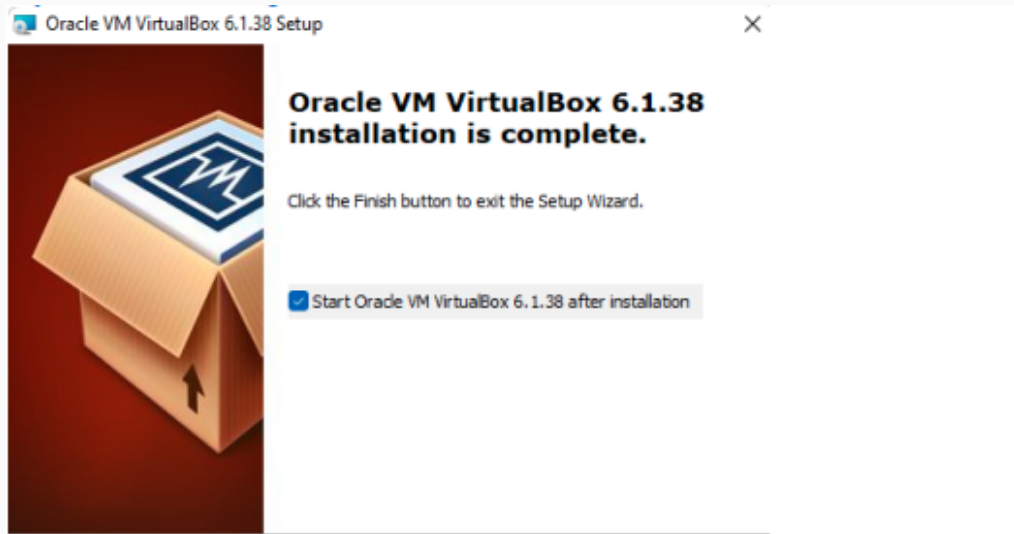
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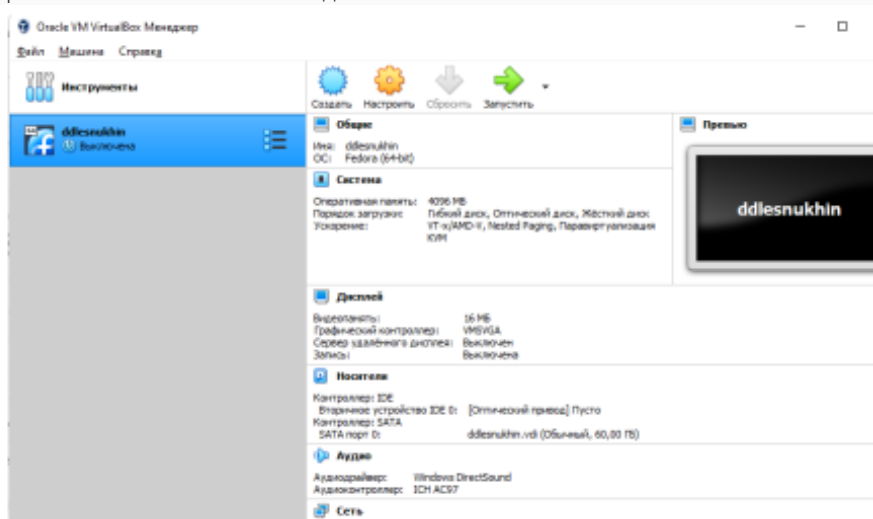
Целью данной работы является приобретение практических навыков установки операционной системы на виртуальную машину, настройки минимально необходимых для дальнейшей работы сервисов.

```
fetch resource https://unpkg.com/reveal.js@%5E4//dist/theme/beige.css: HttpExceptionRequest  
Request { host = "unpkg.com"
```

Мы установили VirtualBox.



Настраиваем VirtualBox и его видеопямять.



После настройки VirtualBox мы устанавливаем ОС. Мы прописываем liveinst в терминал.

```
terminal - liveuser@localhost-live:~
```

```
File Edit View Terminal Tabs Help
```

```
Please type liveinst and press Enter to start the installer
```

```
[liveuser@localhost-live ~]$ liveinst
```

```
Starting installer, one moment...
```

```
anaconda 37.12.6-1.fc37 for Fedora 37 started.
```

```
* installation log files are stored in /tmp during the installation  
* shell is available on TTY2 and in second TMUX pane (ctrl+b, then press 2)  
* when reporting a bug add logs from /tmp as separate text/plain attachments
```

```
[liveuser@localhost-live ~]$ dmesg
```

```
I
```

После настройки ОС

После настройки ОС мы переходим к дз.

```
terminal - liveuser@localhost-live:~  
File Edit View Terminal Tabs Help  
Please type liveinst and press Enter to start the installer  
[liveuser@localhost-live ~]$ dmesg | grep -i linux version  
grep: version: No such file or directory  
[liveuser@localhost-live ~]$ dmesg | grep -i "Linux version"  
[ 0.000000] Linux version 6.0.7-301.fc37.x86_64 (mockbuild@bkernel01.iad2.fedoraproject.org) (gcc (GCC) 12.2.1 20220819 (Red Hat 12.2.1-2), GNU ld version 2.38-24.fc37) #1 SMP PREEMPT_DYNAMIC Fri Nov 4 18:35:48 UTC 2022  
[liveuser@localhost-live ~]$ dmesg | grep -i "Mhz"  
[ 0.000009] tsc: Detected 1703.999 MHz processor  
[ 8.112918] e1000 0000:00:03:0 eth0: (PCI:33MHz:32-bit) 08:00:27:dc:fa:42  
[liveuser@localhost-live ~]$ dmesg | grep -i "CPU0"  
[ 0.294281] smpboot: CPU0: Intel(R) Core(TM) i5-8400T CPU @ 1.70GHz (family: 0x6, model: 0x9e, stepping: 0xa)  
[liveuser@localhost-live ~]$ dmesg | grep -i "
```

```
Terminal - liveuser@localhost-live:~  
File Edit View Terminal Tabs Help  
[ 4.652122] Freeing unused decrypted memory: 2036K  
[ 4.655810] Freeing unused kernel image (initmem) memory: 3024K  
[ 4.656882] Freeing unused kernel image (text/rodata gap) memory: 2036K  
[ 4.657333] Freeing unused kernel image (rodata/data gap) memory: 1516K  
[ 24.855140] systemd[1]: Listening on systemd-oomd.socket - Userspace Out-Of-  
f-Memory (OOM) Killer Socket.  
[ 28.570425] vmwgfx 0000:00:02.0: [drm] Legacy memory limits: VRAM = 16384  
kB, FIFO = 2048 kB, surface = 507904 kB  
[ 28.570432] vmwgfx 0000:00:02.0: [drm] Maximum display memory size is 1638  
4 kiB  
[liveuser@localhost-live ~]$ dmesg | grep -i "Hypervisor"  
[ 0.000000] Hypervisor detected: KVM  
[ 0.166986] SRBDS: Unknown: Dependent on hypervisor status  
[liveuser@localhost-live ~]$ dmesg | grep -i"df"  
grep: invalid argument 'f' for '--directories'  
Valid arguments are:  
- 'read'  
- 'recurse'  
- 'skip'  
Usage: grep [OPTION]... PATTERNS [FILE]...  
Try 'grep --help' for more information.  
[liveuser@localhost-live ~]$
```

Я приобрел практические навыки установки операционной системы на виртуальную машину, настройки минимально необходимых для дальнейшей работы сервисов.

Спасибо за внимание!
