











debian 11

Установка системного загрузчика GRUB

Пришло время научить только что установленную систему загружаться. Для этого на загрузочное устройство будет установлен системный загрузчик GRUB. Обычно он устанавливается на первый жёсткий диск (в загрузочную запись/раздел UEFI). При желании можно установить GRUB в любое другое место на диске, либо на другой диск или на сменный носитель.

Устройство для установки системного загрузчика:

Указать устройство вручную

/dev/sda

Снимок экрана

Вернуться Продолжить

Click in the virtual screen to send keystrokes

VMware Tools enables many features and improves mouse movement, video and performance. Log in to the guest operating system and click "Install Tools".

Install Tools

Remind Me Later

Never Remind Me

```
eg@bugatti: ~  
Microsoft Windows [Version 10.0.22621.2715]  
(c) Корпорация Майкрософт (Microsoft Corporation). Все права защищены.  
  
C:\Users\79090>ssh eg@192.168.229.130  
The authenticity of host '192.168.229.130 (192.168.229.130)' can't be established.  
ED25519 key fingerprint is SHA256:MKB0nDlG4nfDwELQkKwcj01bx1cMKJqTf+CEWwUIm04g.  
This key is not known by any other names  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '192.168.229.130' (ED25519) to the list of known hosts.  
eg@192.168.229.130's password:  
Linux bugatti 5.10.0-26-amd64 #1 SMP Debian 5.10.197-1 (2023-09-29) x86_64  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
eg@bugatti:~$
```

```
mc [root@bugatti]:/etc/netw  
/etc/network/interfaces 342/342 100%  
# This file describes the network interfaces available on your system  
# and how to activate them. For more information, see interfaces(5).  
  
source /etc/network/interfaces.d/*  
  
# The loopback network interface  
auto lo  
iface lo inet loopback  
  
# The primary network interface  
allow-hotplug ens33  
iface ens33 inet static  
    address 192.168.229.145
```

```
eg@bugatti: ~  
Microsoft Windows [Version 10.0.22621.2715]  
(c) Корпорация Майкрософт (Microsoft Corporation). Все права защищены.  
  
C:\Users\79090>ssh eg@192.168.229.145  
The authenticity of host '192.168.229.145 (192.168.229.145)' can't be established.  
ED25519 key fingerprint is SHA256:MK80nDlG4nFDWeLQkwcj01bx1cMKJqTf+CEWwUIm04g.  
This host key is known by the following other names/addresses:  
C:\Users\79090\.ssh/known_hosts:1: 192.168.229.130  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '192.168.229.145' (ED25519) to the list of known hosts.  
eg@192.168.229.145's password:  
Linux bugatti 5.10.0-26-amd64 #1 SMP Debian 5.10.197-1 (2023-09-29) x86_64  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Fri Nov 17 01:12:19 2023 from 192.168.229.1  
eg@bugatti:~$ ip addr  
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000  
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00  
    inet 127.0.0.1/8 scope host lo  
        valid_lft forever preferred_lft forever  
    inet6 ::1/128 scope host  
        valid_lft forever preferred_lft forever  
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000  
    link/ether 00:0c:29:fd:f4:61 brd ff:ff:ff:ff:ff:ff  
    altname enp2s1  
    inet 192.168.229.145/24 brd 192.168.229.255 scope global ens33  
        valid_lft forever preferred_lft forever  
    inet6 fe80::20c:29ff:fed:f461/64 scope link  
        valid_lft forever preferred_lft forever  
eg@bugatti:~$ |  
  
mc [root@bugatti]:etc x + v - □ x  
GNU nano 5.4 /etc/resolv.conf  
domain localdomain  
search localdomain  
nameserver 77.88.8.8  
|  
  
[ Read 3 lines ]  
^G Help      ^O Записать  ^W Поиск     ^K Cut       ^I Execute   ^C Location  ^U Отмена    ^_ Set Mark  
^X Выход     ^R ЧитФайл  ^\ Замена   ^U Paste     ^J Выводить  ^_ К строке  ^E Повтор    ^_ Copy
```

```
eg@bugatti: ~  
^C  
--- google.com ping statistics ---  
10 packets transmitted, 10 received, 0% packet loss, time 9018ms  
rtt min/avg/max/mdev = 4.985/5.100/5.262/0.078 ms  
eg@bugatti:~$ ip addr  
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000  
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00  
    inet 127.0.0.1/8 scope host lo  
        valid_lft forever preferred_lft forever  
    inet6 ::1/128 scope host  
        valid_lft forever preferred_lft forever  
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000  
    link/ether 00:0c:29:fd:f4:61 brd ff:ff:ff:ff:ff:ff  
    altname enp2s1  
    inet 192.168.229.130/24 brd 192.168.229.255 scope global dynamic ens33  
        valid_lft 1574sec preferred_lft 1574sec  
    inet6 fe80::20c:29ff:f461/64 scope link  
        valid_lft forever preferred_lft forever  
eg@bugatti:~$ sudo mc  
[sudo] пароль для eg:  
  
eg@bugatti:~$ ping google.com  
PING google.com (216.58.210.174) 56(84) bytes of data.  
64 bytes from mad06s10-in-f174.1e100.net (216.58.210.174): icmp_seq=1 ttl=128 time=7.13 ms  
64 bytes from mad06s10-in-f174.1e100.net (216.58.210.174): icmp_seq=2 ttl=128 time=7.26 ms  
64 bytes from hem08s07-in-f14.1e100.net (216.58.210.174): icmp_seq=3 ttl=128 time=7.31 ms  
64 bytes from hem08s07-in-f14.1e100.net (216.58.210.174): icmp_seq=4 ttl=128 time=7.15 ms  
64 bytes from mad06s10-in-f14.1e100.net (216.58.210.174): icmp_seq=5 ttl=128 time=7.23 ms  
64 bytes from mad06s10-in-f14.1e100.net (216.58.210.174): icmp_seq=6 ttl=128 time=7.19 ms
```

Chmod

```
eg@bugatti:~$ pwd  
/home/eg  
eg@bugatti:~$ cat > file1  
meow meow  
eg@bugatti:~$ ls -al  
итого 40  
drwxr-xr-x 5 eg    eg    4096 ноя 17 01:29 .  
drwxr-xr-x 3 root  root  4096 ноя 17 01:05 ..  
-rw----- 1 eg    eg      5 ноя 17 01:12 .bash_history  
-rw-r--r-- 1 eg    eg    220 ноя 17 01:05 .bash_logout  
-rw-r--r-- 1 eg    eg   3526 ноя 17 01:05 .bashrc  
drwx----- 3 eg    eg    4096 ноя 17 01:12 .cache  
drwx----- 3 eg    eg    4096 ноя 17 01:12 .config  
-rw-r--r-- 1 eg    eg     10 ноя 17 01:29 file1  
drwx----- 3 eg    eg    4096 ноя 17 01:12 .local  
-rw-r--r-- 1 eg    eg    807 ноя 17 01:05 .profile  
eg@bugatti:~$ chmod g+w file1  
eg@bugatti:~$ ls -al  
итого 40  
drwxr-xr-x 5 eg    eg    4096 ноя 17 01:29 .  
drwxr-xr-x 3 root  root  4096 ноя 17 01:05 ..  
-rw----- 1 eg    eg      5 ноя 17 01:12 .bash_history  
-rw-r--r-- 1 eg    eg    220 ноя 17 01:05 .bash_logout  
-rw-r--r-- 1 eg    eg   3526 ноя 17 01:05 .bashrc  
drwx----- 3 eg    eg    4096 ноя 17 01:12 .cache  
drwx----- 3 eg    eg    4096 ноя 17 01:12 .config  
-rw-rw-r-- 1 eg    eg     10 ноя 17 01:29 file1  
drwx----- 3 eg    eg    4096 ноя 17 01:12 .local  
-rw-r--r-- 1 eg    eg    807 ноя 17 01:05 .profile  
eg@bugatti:~$ |
```