openSUSE Leap 15.0

Boot from Hard Disk

- Installation
- Upgrade
- More ...

Boot Options

- F1 Help
- F2 Language
- F3 Video Mode
- F4 Source
- F5 Kernel
- F6 Driver

- English (US)
- Default
- DVD
- Default
- No
Language, Keyboard and License Agreement

License Agreement

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## Network Settings

### Overview

<table>
<thead>
<tr>
<th>Name</th>
<th>IP Address</th>
<th>Device</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTL-8100/8101L/8139 PCI Fast Ethernet Adapter</td>
<td>Not configured</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### RTL-8100/8101L/8139 PCI Fast Ethernet Adapter (Not connected)

**MAC**: 52:54:00:08:06:bb  
**BusID**: 0000:00:04.0  
**Device Name**: eth0

The device is not configured. Press **Edit** to configure.
## Network Card Setup

### General
- **Device Type:** Ethernet
- **Configuration Name:** eth0

### Address
- **Dynamic Address:**
  - DHCP
  - DHCP both version 4 and 6
- **Statically Assigned IP Address**
  - **IP Address:** 144.38.202.202
  - **Subnet Mask:** 255.255.255.240
  - **Hostname:** suse-host

### Additional Addresses
<table>
<thead>
<tr>
<th>IPv4 Address Label</th>
<th>IP Address</th>
<th>Netmask</th>
</tr>
</thead>
</table>

### Buttons
- Add
- Edit
- Delete
- Help
- Cancel
- Back
- Next
Network Settings

Overview

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<td>RTL-8100/8101L/8139 PCI Fast Ethernet Adapter</td>
<td>144.38.202.202</td>
<td>eth0</td>
<td></td>
</tr>
</tbody>
</table>

RTL-8100/8101L/8139 PCI Fast Ethernet Adapter (Not connected)
MAC : 52:54:00:08:06:bb
BusID : 0000:00:04.0

- Device Name: eth0
- Started automatically at boot
- IP address: 144.38.202.202, subnet mask 255.255.255.240
User Interface

Please select a system role

- Desktop with KDE Plasma
- Desktop with GNOME
- Server
- Transactional Server
- Custom

Configure Online Repositories
Suggested Partitioning

- Create GPT on /dev/sda
- Create partition /dev/sda1 (8.00 MiB) as BIOS Boot Partition
- Create partition /dev/sda2 (10.90 GiB) for / with btrfs
- Create partition /dev/sda3 (1.09 GiB) for swap
- 10 subvolume actions (see details)
Clock and Time Zone

Region: USA
Time Zone: Mountain (Denver)

Hardware Clock Set to UTC
Date and Time: 2019-03-28 - 16:58:38
Local User

Create New User

User's Full Name
joe

Username
joe

Password

Confirm Password

Use this password for system administrator

Automatic Login

Skip User Creation
Installation Settings

Click a headline to make changes.

**Booting**
- Boot Loader Type: GRUB2
- Enable Trusted Boot: no
- Status Location: /dev/sda (MBR)
- Change Location:
  - Install bootcode into MBR (do not install)
  - Do not install boot code into a partition with /boot (install)

**Software**
- Product: openSUSE Leap 15.0
- System Type: Server
- Patterns:
  - Base System
  - Enhanced Base System
  - AppArmor
  - YaST System Administration
  - Software Management
- Size of Packages to Install: 1.7 GiB

**Default systemd target**
- Text mode

**System**
- System and Hardware Settings

**Firewall and SSH**
- Firewall will be enabled (disable)
- SSH service will be disabled (enable)
- SSH port will be blocked (open)
Installation Settings

Click a headline to make changes.

**Booting**

- Boot Loader Type: GRUB2

**YaST2 - installation @ install**

**Confirm Installation**

Information required for the base installation is now complete.

If you continue now, partitions on your hard disk will be modified according to the installation settings in the previous dialogs.

Go back and check the settings if you are unsure.

- Firewall will be enabled (disable)
- SSH service will be disabled (enable)
- SSH port will be blocked (open)
Performing Installation

<table>
<thead>
<tr>
<th>Media</th>
<th>Remaining</th>
<th>Packages</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>1.647 GiB</td>
<td>799</td>
<td></td>
</tr>
<tr>
<td>openSUSE-Leap-15.0-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medium 1</td>
<td>1.647 GiB</td>
<td>799</td>
<td></td>
</tr>
</tbody>
</table>

Actions performed:
- Installing GeoIP-data-1.6.11-lp150.1.4.noarch.rpm (installed size 5 KiB)
- Installing apparmor-docs-2.12-lp150.5.1.noarch.rpm (installed size 353 KiB)
- Installing boost-license1_66_0-1.66.0-lp150.3.3.noarch.rpm (installed size 1.3 KiB)
- Installing branding-openSUSE-15.0-lp150.6.1.noarch.rpm (installed size 1.6 KiB)
- Installing btrfsprogs-udev-rules-4.15-lp150.1.2.noarch.rpm (installed size 387 B)
- Installing cracklib-dict-full-2.8.12-lp150.1.6.x86_64.rpm (installed size 10.46 MiB)
- Installing desktop-translations-84.87.20180507.9a26f9e2-lp150.1.1.noarch.rpm (installed size 28.56 MiB)

Installing desktop-translations-84.87.20180507.9a26f9e2-lp150.1.1.noarch.rpm (installed size 28.56 MiB)  
5%

Installing Packages... (Remaining: 1.647 GiB, 799 packages)  
16%
Performing Installation

<table>
<thead>
<tr>
<th>Media</th>
<th>Remaining</th>
<th>Packages</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>00:05</td>
</tr>
<tr>
<td>openSUSE-Leap-15.0-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medium 1</td>
<td></td>
<td>Done.</td>
<td>00:00</td>
</tr>
</tbody>
</table>

Actions performed:
- Installing samba-dsdb-modules-4.7.6+git.54.6e3276c9872-lp150.2.20.x86_64.rpm (installed size 1.10 MiB)
- Installing libsmbc-client-4.7.6+git.54.6e3276c9872-lp150.2.20.x86_64.rpm (installed size 154 KiB)
- Installing libsamba-policy-4.7.6+git.54.6e3276c9872-lp150.2.20.x86_64.rpm (installed size 58 KiB)
- Installing yast2-update-4.0.14-lp150.1.1.x86_64.rpm (installed size 193.6 KiB)
- Installing samba-client-4.7.6+git.54.6e3276c9872-lp150.2.20.x86_64.rpm (installed size 3.34 MiB)
- Installing autoyast2-installation-4.0.53-lp150.1.1.noarch.rpm (installed size 551.8 KiB)
- Installing samba-4.7.6+git.54.6e3276c9872-lp150.2.20.x86_64.rpm (installed size 1.49 MiB)
- Installing yast2-add-on-4.0.8-lp150.1.1.noarch.rpm (installed size 123.2 KiB)
- Installing samba-kdc-4.7.6+git.54.6e3276c9872-lp150.2.20.x86_64.rpm (installed size 10.59 MiB)
- Installing samba-winbind-4.7.6+git.54.6e3276c9872-lp150.2.20.x86_64.rpm (installed size 1.66 MiB)
- Installing yast2-printer-4.0.1-lp150.1.1.x86_64.rpm (installed size 900.4 KiB)
- Installing samba-python-4.7.6+git.54.6e3276c9872-lp150.2.20.x86_64.rpm (installed size 14.26 MiB)
- Installing patterns-yast2_basis-20180409-lp150.3.1.x86_64.rpm (installed size 57 B)
- Installing patterns-base-enhanced_base-20171206-lp150.14.1.x86_64.rpm (installed size 59 B)

Installing patterns-base-enhanced_base-20171206-lp150.14.1.x86_64.rpm (installed size 59 B)

Installing Packages... (Remaining: / 00:05, 0 packages)

100%

85%
joe1@desdemona:~$ citv bootvm suse c
Booting `openSUSE Leap 15.0'

Loading Linux 4.12.14-lp150.11-default ...
Loading initial ramdisk ...

C: Command Line   E: Edit Entry
Welcome to openSUSE Leap 15.0 - Kernel 4.12.14-lp150.11-default (tty1).

linux-99e8 login: joe
Password:
  joe
Login incorrect

linux-99e8 login: joe
Password:
  Have a lot of fun...
  joe@linux-99e8:~> _
# echo "fix network settings"
fix network settings
#
echo "fix network settings"

# yast_
Network Settings
Global Options — Overview — Hostname/DNS — Routing

Hostname and Domain Name

Hostname: linux-99e8

[ ] Assign Hostname to Loopback IP
Set Hostname via DHCP: yes: any

Modify DNS Configuration: Custom Policy Rule

Use Default Policy: [ ]

Name Servers and Domain Search List

Name Server 1: 144.38.192.2
Name Server 2: 144.38.192.3
Name Server 3:

Domain Search:

[Help] [Cancel] [OK]
### Network Settings

**Global Options**: Overview, Hostname/DNS, Routing

**Default IPv4 Gateway**: 144.30.202.193, **Device**: eth0

**Default IPv6 Gateway**

**Routing Table**

<table>
<thead>
<tr>
<th>Destination</th>
<th>Gateway</th>
<th>Netmask</th>
<th>Device</th>
<th>Options</th>
</tr>
</thead>
</table>

[Add][Edit][Delete]

- [ ] Enable IPv4 Forwarding
- [ ] Enable IPv6 Forwarding

[Help] [Cancel] [OK]
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=115 time=11.3 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=115 time=9.07 ms
^C
--- 8.8.8.8 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 9.077/10.215/11.353/1.138 ms

PING www.google.com (lax28s01-in-x04.1e100.net (2607:f8b0:4007:801::204)) 56 data bytes
64 bytes from lax28s01-in-x04.1e100.net (2607:f8b0:4007:801::204): icmp_seq=1 ttl=51 time=18.4 ms
^C
--- www.google.com ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 18.461/18.461/18.461/0.000 ms