v1.13_ SoftWLC (v1.7)

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Comala Metadata License Details

Invalid commercial evaluation license with a expired error. Please click here to purchase a commercial license.

SoftWLC :

- 8
- CPU >= 2200MHz
- >= 35Gb
-
- Ubuntu 16.04

:

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# free -m
total used free shared buffers cached
Mem: 7985 409 7575 0 12 228
-/+ buffers/cache: 168 7816
Swap: 0 0 0
```

CPU:

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# lscpu
Architecture: x86_64
CPU op-mode(s): 32-bit, 64-bit
Byte Order: Little Endian
CPU(s): 2
On-line CPU(s) list: 0,1
Thread(s) per core: 1
Core(s) per socket: 2
Socket(s): 1
NUMA node(s): 1
Vendor ID: GenuineIntel
CPU family: 6
Model: 60
Stepping: 3
CPU MHz: 3294.301
BogoMIPS: 6588.60
L1d cache: 32K
L1d cache: 32K
L2d cache: 6144K
NUMA node0 CPU(s): 0,1
```

:

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# df -h
Filesystem Size Used Avail Use% Mounted on
udev 3.9G 12K 3.9G 1% /dev
tmpfs 799M 436K 799M 1% /run
/dev/sda1 40G 1.4G 37G 4% /
none 4.0K 0 4.0K 0% /sys/fs/cgroup
none 5.0M 0 5.0M 0% /run/lock
none 3.9G 0 3.9G 0% /run/shm
none 100M 0 100M 0% /run/user
none 901G 113G 789G 13% /vagrant
```

:

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# cat /etc/lsb-release
DISTRIB_ID=Ubuntu
DISTRIB_RELEASE=14.04
DISTRIB_CODENAME=trusty
DISTRIB_DESCRIPTION="Ubuntu 14.04.4 LTS"
```

:

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# ping eltex.nsk.ru
PING eltex.nsk.ru (62.109.0.175) 56(84) bytes of data.
64 bytes from mail.eltex.nsk.ru (62.109.0.175): icmp_seq=1 ttl=55 time=52.8 ms
64 bytes from mail.eltex.nsk.ru (62.109.0.175): icmp_seq=2 ttl=55 time=47.6 ms
64 bytes from mail.eltex.nsk.ru (62.109.0.175): icmp_seq=3 ttl=55 time=46.4 ms
64 bytes from mail.eltex.nsk.ru (62.109.0.175): icmp_seq=4 ttl=55 time=46.5 ms
64 bytes from mail.eltex.nsk.ru (62.109.0.175): icmp_seq=5 ttl=55 time=46.3 ms
^C
--- eltex.nsk.ru ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4005ms
rtt min/avg/max/mdev = 46.398/47.977/52.889/2.516 ms
```

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo "deb http://archive.eltex.org/ems 3.12 main" >> /etc/apt
/sources.list.d/eltex.list
```

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# add-apt-repository -y ppa:webupd8team/java
gpg: keyring `/tmp/tmpvow23jgr/secring.gpg' created
gpg: keyring `/tmp/tmpvow23jgr/pubring.gpg' created
gpg: requesting key EEA14886 from hkp server keyserver.ubuntu.com
gpg: /tmp/tmpvow23jgr/trustdb.gpg: trustdb created
gpg: key EEA14886: public key "Launchpad VLC" imported
gpg: no ultimately trusted keys found
gpg: Total number processed: 1
gpg: imported: 1 (RSA: 1)
OK
```

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-key adv --keyserver keyserver.ubuntu.com --recv F558A287
Executing: gpg --ignore-time-conflict --no-options --no-default-keyring --homedir /tmp/tmp.JjIxiUgI0p --no-auto-
check-trustdb --trust-model always --keyring /etc/apt/trusted.gpg --primary-keyring /etc/apt/trusted.gpg --
keyring /etc/apt/trusted.gpg.d/webupd8team-java.gpg --keyserver keyserver.ubuntu.com --recv F558A287
gpg: requesting key F558A287 from hkp server keyserver.ubuntu.com
gpg: key F558A287: public key "Eltex.EMS build server (Signing for inner Eltex debian packages) <aleksey.
sergeev@eltex.nsk.ru>" imported
gpg: Total number processed: 1
gpg: imported: 1 (RSA: 1)
```

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get update
...
Fetched 12.1 MB in 19s (624 kB/s)
Reading package lists... Done
```

root mysql

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# debconf-set-selections <<< 'mysql-server mysql-server
/root_password password root'
root@vagrant-ubuntu-trusty-64:/home/vagrant# debconf-set-selections <<< 'mysql-server mysql-server
/root_password_again password root'
```

mysql-server

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get -y install mysql-server
```

Oracle Java 8

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo debconf shared/accepted-oracle-license-v1-1 select true |
sudo debconf-set-selections
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo debconf shared/accepted-oracle-license-v1-1 seen true | sudo
debconf-set-selections
```

Oracle Java 8

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get -y install oracle-java8-installer
```

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo "rsyslog-mysql rsyslog-mysql/dbconfig-install boolean true" |
debconf-set-selections
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo "rsyslog-mysql rsyslog-mysql/mysql/app-pass password root" |
debconf-set-selections
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo "rsyslog-mysql rsyslog-mysql/app-password-confirm password
root" | debconf-set-selections
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo "rsyslog-mysql rsyslog-mysql/password-confirm password root"
| debconf-set-selections
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo "rsyslog-mysql rsyslog-mysql/mysql/admin-pass password root"
| debconf-set-selections
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo "rsyslog-mysql rsyslog-mysql/remote/port string " | debconf-
set-selections
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install --yes expect daemon psmisc mysql-client ntp tftp-
hpa tftpd-hpa snmpd snmp rsyslog rsyslog-mysql curl tomcat7 software-properties-common python-pexpect unzip zip
mongodb-server isc-dhcp-server pcscd opensc pcsc-tools pkiclient libhal1 python-suds libtalloc2 libwbclient0
tomcat7-admin
```

JAVA_HOME tomcat7

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo "JAVA_HOME=/usr/lib/jvm/java-8-oracle" >> /etc/default/tomcat7
```

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# cp /usr/share/zoneinfo/Asia/Novosibirsk /etc/localtime
```

Java

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# echo "JAVA_OPTS=\"${JAVA_OPTS} -server -Xms512m -Xmx2048m -XX:-
UseParallelGC -XX:+UseConcMarkSweepGC -XX:+AggressiveOpts\"" >> /etc/default/tomcat7
```

eltex-notification-gw

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-notification-gw
```

eltex-apb

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-apb
```

SOAP/XML (Apache Axis)

```
root@vagrant-ubuntu-trusty-64:/home/vagrant#apt-get install eltex-axis
```

eltex-radius-nbi SoftWLC OSS/BSS

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-radius-nbi
...
Do you want to generate server certificate? [y/N]: N
Skip generating server certificate
- Reconfigure file '/etc/eltex-radius-nbi/radius_nbi_config.txt'
SoftWLC Northbound is installed. Tomcat service will be restarted...
* Stopping Tomcat servlet engine tomcat6
...done.
* Starting Tomcat servlet engine tomcat6
...done.
To check the service works, open the URL:
http://localhost:8080/axis2/services/RadiusNbiService?wsdl
To read documentation, visit the following URL:
http://localhost:8080/eltex-radius-nbi/asciidoc/
```

MySQL RADIUS

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-radius-db
...
Enter your MySQL administrator login (default is 'root'): root
Enter your MySQL administrator password: root
Enable remote access to database? (y/N) y
mysql stop/waiting
mysql start/running, process 17341
Creating database ...
Preparing database ...
Do you want to create a tariff? (Y/n) Y
Enter root domain name (default is 'root'): root
Enter tariff code (its identifier) (default is 'default'): 1
Tariff '1' has been successfully created
There are two types of tariffs:
* Tariff for hotspot with captive portal authorization
* Tariff for customers with WPA Enterprise authorization
Make the tariff for portal authentication only? (Y/n) Y
Please restart RADIUS server manually with "service eltex-radius restart"
```

"Hotspot Default" :

- : default
- : root
-
- : 10
- Downstream Upstream 1/c

Default

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-auth-service-db
...
Enter your mysql administrator login (default is 'root'): root
Enter your mysql administrator password: root
Creating database 'eltex_auth_service'
Create remote database user? (y/N) y
Database 'eltex_auth_service' successfully created
Restart the service with command "service eltex-auth-service restart"
Enter root domain [root]: root
Create default auth-user:
Set login [admin]:
Set password [password]:
Default auth-user 'admin' created successfully
Set service user password [softwlc]:
Service user 'softwlc_service' created successfully. Please, check it at '/etc/eltex-wifi-cab/system.xml' on
your 'Eltex Wi-Fi customer cabinet' host.
Create default auth-nas (for eltex-wifi-cab):
Set eltex-wifi-cab ip address (leave empty if 127.0.0.1):
Default auth-nas '127.0.0.1' created successfully
```

SoftWLC

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-auth-service
```

MAC-

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-oui-list
```

eltex-radius

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-radius
```

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-portal-mysql
...
Enter your MySQL administrator login (default is 'root'): root
Enter your MySQL administrator password: root
Creating main database 'ELTEX_PORTAL'
```

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-portal-constructor
```

WiFi 'Hotspot'

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-portal
```

MySQL 'eltex-ems'

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-ems-db
...
Enter your MySQL administrator password: root
Enable remote access to database? (y/N) y
...
Select default language for EMS:
1. Russian
2. English (default)
Enter number: 1
Using locale ru_RU
Select access control type:
1 - Role based
2 - Domain based (default)
Enter number: 2
Using domain based access control
Enter root domain name (default is 'root'):
Please restart EMS manually with "service eltex-ems restart"
```

eltex-ems

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-ems
...
Replace /etc/default/tftpd-hpa? (type 'd' to view diff) [y/N/d] y
File /etc/default/tftpd-hpa is overwritten
Restarting tftpd-hpa..
tftpd-hpa stop/waiting
tftpd-hpa start/running, process 19261
Replace /etc/snmp/snmpd.conf? (type 'd' to view diff) [y/N/d] y
File /etc/snmp/snmpd.conf is overwritten
Restarting snmpd..
* Restarting network management services:
Replace /etc/rsyslog.conf? (type 'd' to view diff) [y/N/d] y
File /etc/rsyslog.conf is overwritten
Replace /etc/rsyslog.d/50-default.conf? (type 'd' to view diff) [y/N/d] y
File /etc/rsyslog.d/50-default.conf is overwritten
Replace /etc/rsyslog.d/mysql.conf? (type 'd' to view diff) [y/N/d] y
File /etc/rsyslog.d/mysql.conf is overwritten
```

B2B,

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# apt-get install eltex-wifi-cab
```

Eltex EMS

Eltex EMS license.xml , EMS. .

```
root@vagrant-ubuntu-trusty-64:/home/vagrant# cp licence.xml /usr/lib/eltex-ems/conf/licence/
root@vagrant-ubuntu-trusty-64:/home/vagrant# service eltex-ems restart
```