# Step-by-step SoftWLC installation using the installation script

## SoftWLC Video Manual

### Preparing for installation

To install a minimum configuration of SoftWLC, the server with the following parameters is required:

- RAM >= 8 GB
- CPU >= 2200MHz
- Hard drive capacity >= 35 GB
- Internet connection
- Operating system Ubuntu Server 18.04 LTS / Astra Linux Common Edition 2.12.44 / Debian 9 / Astra Linux Special Edition 1.7.1

More information on requirements to server can be found here.

It is recommended to install the controller on a clean OS.

Before installation, it is recommended to update packages on the server using the sudo apt update && sudo apt upgrade commands.

A demo license is included with the controller.

#### Installation

# Installation on Ubuntu Server 18.04 LTS/Astra Linux Common Edition 2.12.44/Debian 9 operating systems

Download the relevant eltex-softwic-helper-latest.sh installation script from the archive and save it to the OS root directory.

The operation can also be performed via the terminal:

vagrant@ubuntu-bionic:~\$ wget http://archive.eltex.org/wireless/help/softwlc-latest/eltex-softwlc-helper-latest.sh

--2019-04-29 08:30:24-- http://archive.eltex.org/wireless/help/softwlc-latest/eltex-softwlc-helper-latest.sh

Resolving archive.eltex.org (archive.eltex.org)... 172.16.0.68 Connecting to archive.eltex.org (archive.eltex.org)|172.16.0.68|:80... connected. HTTP request sent, awaiting response... 200 OK Length: 25615 (25K) [text/x-sh] Saving to: 'eltex-softwic-helper-latest.sh'

2019-04-29 08:30:24 (1,61 MB/s) - 'eltex-softwlc-helper-latest.sh' saved [25615/25615]

Grant eltex-softwlc-helper-latest.sh file execution rights:

vagrant@ubuntu-bionic:~\$ chmod +x ./eltex-softwlc-helper-latest.sh

Start the script under the super user and wait for the completion:

vagrant@ubuntu-xenial:~\$ sudo ./eltex-softwlc-helper-latest.sh Platform : x86\_64 Repository: http://archive.eltex-co.ru/wireless Java vendor: openjdk Ubuntu distrib code name: xenial --2019-04-29 08:33:06-- http://archive.eltex-co.ru/wireless/nginx/conf/softwlc\_1.XX\_nginx.conf Resolving archive.eltex-co.ru (archive.eltex-co.ru)... 172.16.0.68 Connecting to archive.eltex-co.ru (archive.eltex-co.ru)|172.16.0.68|:80... connected. HTTP request sent, awaiting response... 200 OK

Upon completion of the script, the following data will be available in the terminal:

Installation of Eltex SoftWLC finished URLs of SoftWLC components: Eltex.EMS GUI: http://localhost:8080/ems/jws login: admin password: <empty> Portal constructor: http://localhost:8080/epadmin login: admin password: password Wi-Fi customer cabinet: http://localhost:8080/wifi-cab login: admin password: password

If errors occur, refer to the documentation.

#### Installation on Astra Linux Special Edition 1.7.1

Download the installation script and save it to the OS root directory.

The operation can also be performed via the terminal:

vagrant@ubuntu-xenial:-\$ wget http://archive.eltex.org/wireless/help/softwlc-latest/eltex-softwlc-helper-astra-latest.sh [sudo] password for tester: --2023-03-14 16:37:43-- http://archive.eltex.org/wireless/help/softwlc-latest/eltex-softwlc-helper-astra-latest.sh Resolving archive.eltex.org (archive.eltex.org)... 92.125.152.58 Connecting to archive.eltex.org (archive.eltex.org)]92.125.152.58]:80... connected. HTTP request sent, awaiting response... 200 OK Length: 73208 (71K) [application/octet-stream] Saving to: 'eltex-softwlc-helper-astra-latest.sh 100% [==============] 71.49K 340KB/s in 0.2s

2023-03-14 16:37:43 (340 KB/s) - 'eltex-softwic-helper-astra-latest.sh' saved [73208/73208]

Grant eltex-softwlc-helper-astra-latest.sh file execution rights.

vagrant@ubuntu-xenial:~\$ chmod +x ./eltex-softwlc-helper-astra-latest.sh

Start the script under the super user and wait for the completion:

vagrant@ubuntu-xenial:~\$ sudo ./eltex-softwlc-helper-astra-latest.sh Installation started for softwlc-1.25, from http://archive.eltex-co.ru/wireless Reading package lists... Done Building dependency tree Reading state information... Done wget is already the newest version (1.20.1-1.1). wget set to manually installed. Isb-release is already the newest version (10.2019051400+ci202012021351+astra2). 0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded. Platform : x86\_64 OS distributer ID: astralinux OS distrib code name: 1.7\_x86-64 Repository: http://archive.eltex-co.ru/wireless Java vendor: openjdk Setting portal constructor and customer cabinet link addresses.. External IP address has been detected

If errors occur, refer to the documentation.

After installation, run the following on the server:

```
sudo sed -i 's/ProtectSystem=strict/ProtectSystem=off/g'
/lib/systemd/system/tomcat9.service
sudo systemctl daemon-reload
sudo systemctl restart tomcat9
```

#### Launching the EMS applet

Before running the EMS applet via the Java Web Start application, make sure that Oracle Java is installed on the PC.

In the browser bar, enter the following address:

http://<ip address SoftWLC>:8080/ems/jws/

In this case, the browser will offer you to open or download a file with the jnlp extension. Open this file using the Java Web Start application.

Me recommend using Oracle Java 8.

To create a shortcut on the desktop to launch the EMS applet, temporary file storage must be enabled in the Java Control Panel.

After installation, you can change passwords in various SWLC modules: Changing password in SoftWLC