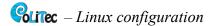


Linux configuration

Contents:

1.	Verify Java version	. 2
2.	Set required permissions	. 2
	C & C++ compilers update	
	3.1 C compiler	
	3.2 C++ compiler	. 3
4.	Database libraries update	. 3
	Install libraries for reports (e-mail) sending in LookSky	



1. Verify Java version

Using of the latest version of <u>Java 8</u> is recommended.

Verify installed Java version. Perform in terminal the following:

java -version

If Java version is less than 8, install <u>Java 8</u>. Perform in terminal the following:

sudo add-apt-repository ppa:webupd8team/java sudo apt-get update sudo apt-get install oracle-java8-installer

2. Set required permissions

It is necessary to set read & write permissions for the **CoLiTec** directory. Perform in terminal the following:

chmod -R 700 Path_to_CoLiTec

3. C & C++ compilers update

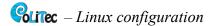
3.1 C compiler

Verify compiler C version. Perform in terminal the following:

gcc -v

If C compiler version is less than 4.8, install gcc 4.8 or higher. Perform in terminal the following:

sudo add-apt-repository ppa:ubuntu-toolchain-r/test
sudo apt-get update
sudo apt-get install gcc-4.8
sudo update-alternatives --remove-all gcc
sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.8 20
sudo update-alternatives --config gcc



3.2 C++ compiler

Verify compiler C version. Perform in terminal the following:

$$g++-v$$

If C++ compiler version is less than 4.8, install g++ 4.8 or higher. Perform in terminal the following:

sudo add-apt-repository ppa:ubuntu-toolchain-r/test
sudo apt-get update
sudo apt-get install g++-4.8
sudo update-alternatives --remove-all g++
sudo update-alternatives --install /usr/bin/g++ g++ /usr/bin/g++-4.8 20
sudo update-alternatives --config g++

4. Database libraries update

If necessary, update database libraries. Perform in terminal the following:

sudo apt-get install libpam0g:i386 sudo apt-get update sudo apt-get upgrade -y sudo apt-get dist-upgrade

5. Install libraries for reports (e-mail) sending in LookSky

Reports (e-mail) sending in LookSky is performed by using the SMTP protocol. For example, gmail@gmail.com, smtp.gmail.com, port 465). Before using gmail, make sure that «Allow less secure apps» option is set in «Sign-in & security» section. In addition, the reports will be also saved to «Sent Mail». This is exclusive policy of Google, another mail services don't have this.

For the implementation the following are used: free <u>Synapse</u> library and open source <u>X-Mailer</u> plugin.

If necessary, install libraries for e-mail sending. Perform in terminal the following:

sudo apt-get install libssl-dev