**The purpose of this document**

This guide is intended to familiarize the user with the technical characteristics and functionality of the program aGREP.

**The programming languages on which the program is written**

The program is written in the programming language C++.

**The purpose of the program**

The application has been created to provide easy interaction between user and computer, is aimed at fast search of the necessary files in the file system, allows the user to access the required data.

Program aGREP allows you to search the file in the computer file system by a name or segment of this file.

**The functions which are performed by the program**

Search the file in the computer file system.

**Mode**

Utility aGREP runs in a shell on a Unix system. In order to use this system, you must install the utility and run it by typing "aGREP".

**Installation requirements**

g++4.7+ and boost1.5.8 are required for normal work of the program.

**Installing the program**

To install the utility aGREP, you must use a command shell to access the folder with source files and run the makefile with the command make, then install the program by typing make install.

**Run the program**

To run the program you must enter at the command line, the word aGREP and keywords that will be searched for the file, whether its name or segment of the desired file.

To obtain short information about the program, you must enter only the aGREP.

To obtain a brief help message, you must enter the key --help.

To ignore the case of characters, you must enter the key-i or –ignorcase.

To search for the file by name, you must enter the key -n or --name.

For a recursive search inside the directory, you must enter the-r or –recursive.

In order to know the software version you need to enter the key --version.

**Signal processing**

To terminate your program as the default action you need to press Ctrl+C.

Ctrl+C - the interrupt signal, sends SIGINT to the job running in the foreground.

Also program deal with terminal shutdown.

In signal processing, all user data is stored.

**The software requirements**

For the program aGREP must satisfy the following conditions:

• An operating system is RedHat 6.6 and older or other Unix-like operating system, which has similar operating system settings.

• To use aGREP, your computer must be running the command shell.