

HWServer – Administrative Guide

Target server version: 0.0.0.7 "EA-RC7"

1. Introduction

This document is for administrators who want to set up the software on a server. Its purpose is to document the installation process, the file structure maintained and the process of upgrading from a lower to the version listed above.

2. Installation

1. Download the servers archive
2. Extract it into the desired working directory
 - There should be the server.jar and a "libraries" folder
3. Run the server.jar
Example command:
`"java -cp libraries/*;Homework_Server.jar hwserver.Main --debug -log-no-trace"`
4. The Server should now start and also create all necessary files and directories within its working directory
 - The servers configuration can be customized in the corresponding file in the "conf" directory
 - Configuration for groups can be found in the corresponding group folder

3. Automatically maintained directories and files

The server automatically maintains the folders containing HomeWork (identified by year names in the group folder).

The server also maintains configuration files when missing keys are detected.

The server may also maintain group configs to edit users in the future.

4. Upgrading from lower versions

1. Delete the "libraries" folder
2. Complete the installation of the new version

4.1 Upgrading since EA-RC4 (experimental)

Since EA-RC4 the server comes equipped with an semi-automatic updater:

1. Within the servers console run: `update`
2. When the UpdateSvc downloaded the latest update run: `upgrade`
3. The server will copy the installer from the libraries folder, start it and closes itself.
4. The installer will extract the update after waiting 10 seconds.
5. When done, the installer will attempt to restart the server.

Note: During this task 2 ``exec``s are performed: These execs are using ``inheritIO`` which means the upgraded instance will use the exact same Terminal-IO as the previously closed instance! Under windows this can kind of break CMD.EXEs formatting but doesn't affect functionallity. Under linux this is supposed to keep ``screen`` sessions opened.

Additional information:

List of supported start arguments:

Argument	Value (type)	Effect
--config	Path to the configuration file	Loads configuration from a different path
--debug --debug=<LEVEL>	<none> <LEVEL> (See java.util.logging.Level for names)	Enables debug mode LogLevel: Finest Trace: Enabled
--log-no-trace	<none>	Disables Trace information in the log Only effective with -debug