

# 27. Simulation in EasySimulator / cMT Viewer

This chapter explains how to use EasySimulator / cMT Viewer to run on-line / off-line simulation without having to start the simulator from EasyBuilder Pro.

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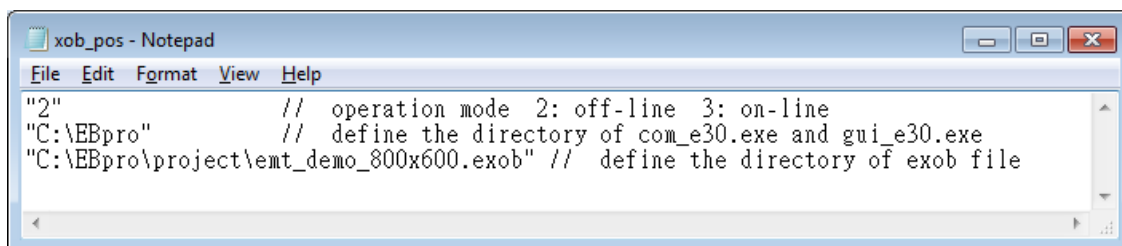
## 27.1. EasySimulator

### 27.1.1. Overview

EasySimulator allows users to run on-line or off-line simulation for eMT/iE/XE/mTV/iP models without having to start the simulator from EasyBuilder Pro. To do this, please prepare the required files and follow the steps to setup EasySimulator.

### 27.1.2. Steps to setup EasySimulator

1. Prepare the following required files and put them into the same folder.
  - [driver] → [win32]
  - com\_e30.exe
  - EasySimulator.exe
  - gui\_e30.exe
  - sqlite3.dll
  - xob\_pos.def
  - libcurl.dll
  - libeay32.dll
  - MFC71.dll
  - mosquito.dll
  - mosquittopp.dll
  - pthreadVC2.dll
  - ssleay32.dll
2. Open **xob\_pos.def** by using a text editing tool (e.g. Notepad) and edit the contents.



```

"2" // operation mode 2: off-line 3: on-line
"C:\EBpro" // define the directory of com_e30.exe and gui_e30.exe
"C:\EBpro\project\emt_demo_800x600.exob" // define the directory of exob file
  
```

Line number	Description
1	"2" run an Off-line Simulation; "3" run an On-line Simulation.
2	The directories of the relevant files. (e.g. com_e30.exe, gui_e30.exe, EasySimulator.exe...etc.)
3	The full path of the .exob file.

3. Double click on EasySimulator.exe to start a simulation.
4. On-line / Off-line Simulation is displayed on the screen.

 **Note**

- The required files can be found in the EasyBuilder Pro installation directory. Please install EasyBuilder Pro first then copy the required files to your PC.
- If EasySimulator.exe is not activated, please check if the installation directory is correct.
- If the “Failed to open project file: No such file or directory” dialog box appears, this indicates that there is an error of the .exob file path, please check again.

## 27.2. cMT Viewer

### 27.2.1. Overview

cMT Viewer allows users to run on-line / off-line simulation for cMT/cMT X models without having run EasyBuilder Pro itself.

### 27.2.2. Steps to setup cMT Viewer

1. Use a third-party software, e.g. WinRAR, to decompress .cxob file twice and then a project file will be generated in the mt8000 folder.
2. Open Command Prompt and then use the commands below.

#### On-line Simulation

```
cMTViewer.exe -ns "path/to/project/file" -allinone
```

#### Off-line Simulation

```
cMTViewer.exe -fs "path/to/project/file" -allinone
```