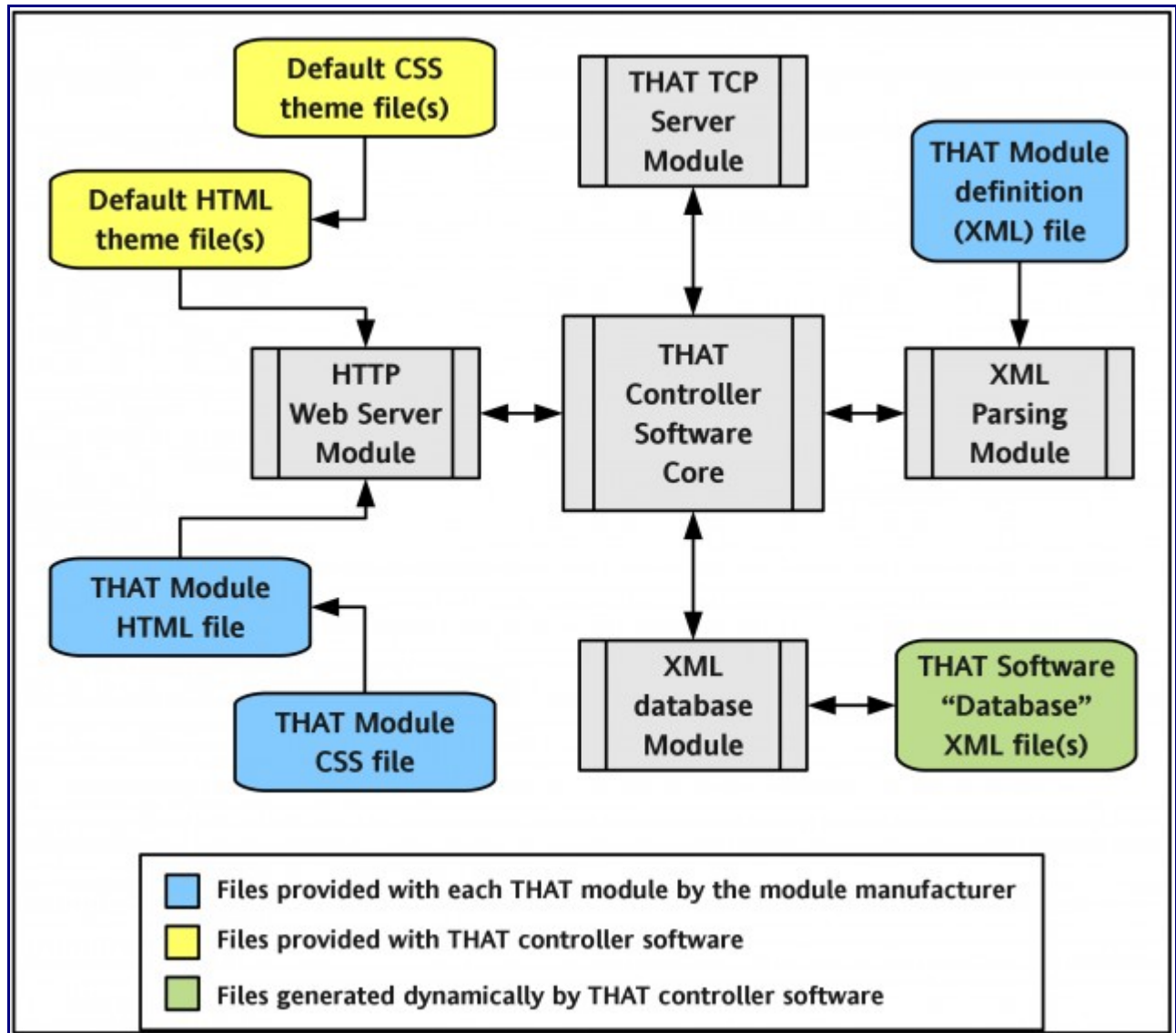# THAT Control Software, v0.6.4

2010-05-14 14:05:40 by Nick

The current version of THAT Control Software, version 0.6.4 can be downloaded from the link below:

that_cs_0.6.4.tar.gz

THAT Control Software is built using a combination of Python, XML, HTML, and CSS and is designed to be as modular as possible. The block diagram for the software is shown below

The gray blocks in the software block diagram represent the core parts of THAT Control Software, which consist of Python code spread across multiple files (See Appendix E for source code.)

The blue blocks represent files which would be provided to the end-user by the manufacturer of a specific THAT module. The most important manufacturer-provided file is the Module definition XML file. This file contains, in XML format, a listing of all of a THAT module's controls, settings, and identification information. Using this file, THAT Control Software can "learn" everything it needs to know about a THAT module, without having any prior knowledge of the module's existence.

The blue blocks are files containing HTML and CSS code which tell THAT Control Software how to design the web interface for a specific THAT module. This allows a manufacturer of a THAT module to customize the

section of the web interface that the end-user sees when they access each module's controls and settings.

The yellow blocks represent HTML and CSS files which are provided with THAT Control Software. These files create the "default" web interface which is seen by the end-user. These files could be modified or replaced by the end-user to customize or replace the default web interface with one better suited to their needs.

Lastly, the green blocks represent XML files which are dynamically generated by THAT Control Software. These XML files represent a running "database" of information about the currently-configured THAT Modules. Additionally, these files are used by THAT Control Software to store all user preferences. Thus, the software could theoretically be upgraded/removed/installed without altering or losing any of the current settings or system configuration.