

## Mobile Web Server: How to Contribute

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# Mobile Web Server

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## Change history

May 29, 2007	Version 1.0	Initial document release

## 1 Introduction

Mobile Web Server (MWS) is partially based on open source software components. Unlike Raccoon, which is a fully open source project, MWS contains some closed software components. This, however, does not limit the user's possibilities to create content for MWS. In fact, Nokia provides a scalable gateway that enables much more fluent user experience.

This document describes the open source components used in MWS, describes the differences between Raccoon and MWS, and shows where you can find more information on how to participate in open source development.

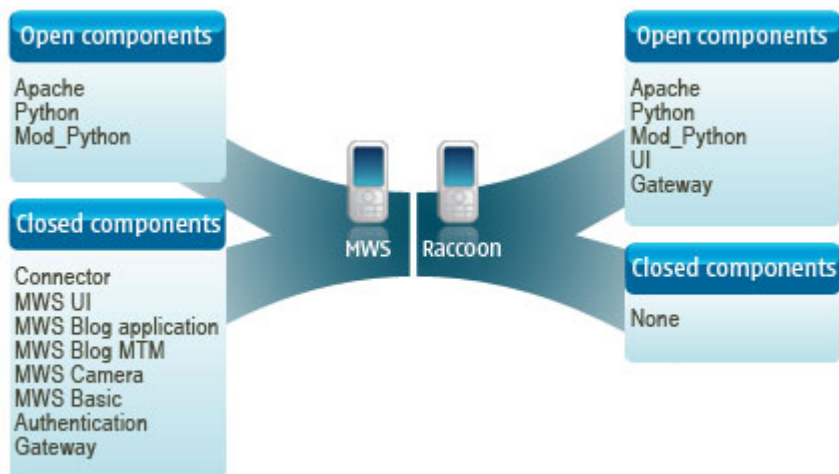


Figure 1: Differences between MWS and Raccoon

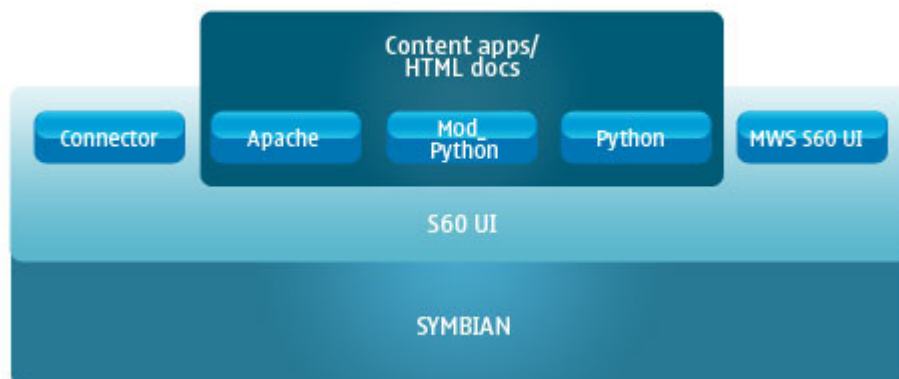


Figure 2: MWS structure

## 2 Improving the Web server powered by Apache technology

The Web server consists of a core Web server and modules that expand its functionality. The MWS includes the mod\_python, mod\_auth, mod\_auth\_basic, and mod\_auth\_file modules [1].

Changes and improvements in the Python, Mod\_Python, and Apache modules can be added to new MWS versions.

Module	Functionality
mod_python	Enables using Python for Web content creation
mod_auth	Provides basic authentication
mod_auth_basic	Enables basic authentication to protect folders with a user name and password
mod_auth_file	Provides user authentication using text files

Table 1: Module descriptions

## 3 Python

Python is an open source project (programming language). Python is ported for many platforms. Python is an interpreted language, which means that it needs an interpreter to run the software. Python for S60 is a project which ported part of the Python for the S60 platform. To contribute to Python for S60, you can create feature requests or participate by editing its source codes, port new existing features from Python, or create new S60 APIs for Python to use.

The official Python for S60 releases is available at Forum Nokia. Python S60 development releases can be found from Sourceforge. Sourceforge also contains a bug tracker for the Python S60 project. Discussion about Python S60 can be found at Forum Nokia. The Python S60 project pages can be found from Nokia open source pages at <http://opensource.nokia.com/>.

## 4 Gateway differences

Raccoon offers an open source gateway for developers. MWS uses a scalable gateway that is provided by Nokia. This MWS gateway enables development of end-to-end Web services without the trouble of setting up your own gateway server. The MWS gateway also acts as a portal for users.

## 5 Related links

Mobile Web Server

- <http://mymobilesite.net>

Nokia Open Source

- <http://sourceforge.net/>
- <http://www.apache.org/>
- <http://www.modpython.org>
- <http://opensource.nokia.com>
- <http://www.opensource.org/>
- <http://www.python.org>

## 6 Terms and abbreviations

Term or abbreviation	Meaning
MWS	Mobile Web Server
GW	Gateway

## 7 References

- [1] [Mobile Web Server: Apache Configuration](#), available at [www.forum.nokia.com](http://www.forum.nokia.com)
- [2] [Mobile Web Server: Technology White Paper](#), available at [www.forum.nokia.com](http://www.forum.nokia.com)

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