

# Manually Update Apache and PHP on Linux for Uptime 7.6 and earlier

## PURPOSE

In some environments, security scanning software may indicate that versions of Apache and PHP shipped with Uptime Infrastructure Monitor 7.1 and later may contain vulnerabilities. Although a future version of Uptime Infrastructure Monitor will include updated versions of these applications, you may wish to manually update them using these instructions.

## REQUIREMENTS

- The following steps can be used to upgrade Apache and PHP for Uptime Infrastructure Monitor 7.1+.
- Only minor upgrades are supported
  - Apache can be upgraded to 2.2.x (**not 2.4**)
  - PHP can be upgraded to 5.4.x (**not 5.5+**)

## INSTRUCTIONS

1. -- stop Uptime Infrastructure Monitor web service  
/etc/init.d/uptime\_httpd stop
2. -- back up apache directory

```
cd /usr/local/uptime
mv apache apache_orig
```

3. --download and install re2c (PHP dependency)

```
cd /tmp
wget http://pkgs.repoforge.org/re2c/re2c-0.13.5-1.el6.rf.x86_64.rpm
rpm -ivh re2c-0.13.5-1.el6.rf.x86_64.rpm
```

4. -- install openssl devel package (Apache dependency) and mysql devel package (PHP dependency)

```
yum install openssl-devel mysql-devel
```

5. -- download and install Apache

```
cd /tmp
wget http://apache.mirror.rafael.ca/httpd/httpd-2.2.29.tar.gz
tar xvfz httpd-2.2.29.tar.gz
cd httpd-2.2.29
./configure --prefix=/usr/local/uptime/apache --with-mpm=worker --enable-so --enable-proxy --enable-proxy-connect
--enable-proxy-ftp --enable-proxy-http --enable-headers --enable-rewrite --enable-status --enable-info --enable-
deflate --enable-mem-cache --enable-cache --enable-disk-cache --enable-expire --enable-mods-shared=all --enable-
ssl --enable-cgi --enable-xsendfile
make
make install
```

6. -- download and install xsendfile Apache module

```
wget https://tn123.org/mod_xsendfile/mod_xsendfile-0.12.tar.bz2 --no-check-certificate
tar xvfj mod_xsendfile-0.12.tar.bz2
/usr/local/uptime/apache/bin/apxs -cia mod_xsendfile-0.12/mod_xsendfile.c
```

7. -- download and install php

```
wget http://php.net/get/php-5.4.42.tar.bz2/from/this/mirror
tar xvfj php-5.4.42.tar.bz2
cd php-5.4.42
./configure --prefix=/usr/local/uptime/apache --with-apxs2=/usr/local/uptime/apache/bin/apxs --with-mysql --with-
libdir=lib64
make
make install
```

8. -- move Uptime Infrastructure Monitor Apache config files into new Apache directory

```
cd /usr/local/uptime
mv apache/conf apache/conf_orig
cp -R apache_orig/conf apache
```

9. -- create tmp directory and set file ownerships

```
mkdir apache/tmp  
chown -R uptime:uptime apache
```

10. (optional) -- if PHP packages are required, use pear; examples below

```
cd apache/bin  
./pear install MDB2  
./pear install pear/MDB2#mysql
```

This completes the upgrade.