

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.rafal.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-expires --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.