

NativeSPMacApache32

To run Apple's Apache binary as a 32-bit process on a 64-bit Intel Mac, you can take one of two approaches:

- Strip all but the i386 arch from the binary.
- Modify the OS scripts to launch Apache using the `arch` command.

Since the first is destructive and the second is not, the second option is recommended.

To modify the Apache launch commands, make the following changes:

- Edit `/usr/sbin/apachectl` and change the value of the `HTTPD` variable as follows:

```
HTTPD="arch -i386 /usr/sbin/httpd"
```

- Edit `/System/Library/LaunchDaemons/org.apache.httpd.plist` and change the `<array>` element below the `ProgramArguments` key as follows:

```
<array>
  <string>/usr/bin/arch</string>    <!-- new line -->
  <string>-i386</string>           <!-- new line -->
  <string>/usr/sbin/httpd</string>
  <string>-D</string>
  <string>FOREGROUND</string>
</array>
```

To verify that your change worked, start Apache and run `ps -el | grep httpd`. The "F" column should contain numbers that do **NOT** end in 4.