

Problems with configuring CF801 on Mac for System Startup

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Two problems with configuring ColdFusion 8.01 on Mac OS X for startup on system boot when using the utility `{cf_root}/bin/cf-init.sh`. The first issue is that `cf-init.sh` cannot be used again to configure CF for startup on boot after the `cf-init.sh` script is used to unconfigure the service. The second issue is that for Multiserver configuration the script `cf-init.sh` cannot be used to unconfigure CF as a startup service and the items under `/Library/StartupItems/ColdFusion8Multi` must be removed manually. The ColdFusion Engineering team is actively seeking to correct these issues, but I'm posting for your convenience in case you run into this beforehand.

Issue 1 logged as ColdFusion bug 73548

On Mac, running `cf-init.sh` to install system startup script cannot be done a second time after running `cf-init.sh` `uninstall`.

The `cf-init.sh` function `install_mac()` permanently moves the file `{cf_root}/bin/cf-standalone-startup` to `/Library/StartupItems/` under the new name `ColdFusion8` as shown here:

```
mv -f $CF_DIR/bin/cf-standalone-startup /Library/StartupItems/ColdFusion8/ColdFusion8
```

Then the `uninstall_mac()` function in `cf-init.sh` permanently removes that file `ColdFusion8` as shown here:

```
rm -rf /Library/StartupItems/ColdFusion8
```

There are no longer any copies of `{cf_root}/bin/cf-standalone-startup` under any name on the system, so another attempt to configure ColdFusion to start on System Boot cannot be performed.

More details:

- 1) Install CF801 on Mac, but do NOT choose option to start on system boot at this time
- 2) Run `cf-init.sh` `install`, then `cf-init.sh` `uninstall`, then again `cf-init.sh` `install`
- 3) Observe second usage of `cf-init.sh` fails

 * Initial directory listing after installing without option to start on boot
 * Notice `StartupParameters.plist` and `cf-standalone-startup` are present

```
my-powerbook:/opt/ColdFusion8/bin cfqauser$ ls -l
total 4296
-rwxr-xr-x  1 cfqauser  admin      504 Nov  6 10:13 SMSClient.sh
-rwxrwxr-x  1 cfqauser  admin      260 Jan 19  2008 StartupParameters.plist
-rwxr-xr-x  1 cfqauser  admin     7241 Nov  6 10:13 cf-init.sh
-rwxrwxr-x  1 cfqauser  admin      409 Nov  6 10:13 cf-standalone-startup
-rwxr-xr-x  1 cfqauser  admin     6671 Nov  6 10:13 cfcompile.sh
-rwxr-xr-x  1 cfqauser  admin    1501420 Jan 19  2008 cfencode.exe
-rwxr-xr-x  1 cfqauser  admin    110264 Jan 19  2008 cfencode.linux
-rwxr-xr-x  1 cfqauser  admin    527624 Jan 19  2008 cfencode.solaris
-rwxr-xr-x  1 cfqauser  admin      252 Nov  6 10:13 cfinfo
```

```

-rwxr-xr-x  1 cfqauser  admin      414 Nov  6 10:13 cfscan.sh
-rwxr-xr-x  1 cfqauser  admin      265 Nov  6 10:13 cfstat
-rwxr-xr-x  1 cfqauser  admin     7025 Nov  6 10:13 coldfusion
drwxr-xr-x  7 cfqauser  admin     238 Nov  6 10:13 connectors
-rwxr-xr-x  1 cfqauser  admin     860 Jan 23  2008 findjava.sh
lrwxr-xr-x  1 cfqauser  admin      39 Nov  6 10:13 jvm.config -> /opt/ColdFusion8/runtime/bin/jvm.config

```

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- * Run cf-init.sh to install startup service
 - * Notice cf-standalone-startup is not in bin/ directory listing
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```

my-powerbook:/opt/ColdFusion8/bin cfqauser$ sudo ./cf-init.sh install
Password:
Creating the Coldfusion 8 start script /Library/StartupItems/ColdFusion8/ColdFusion8
Install complete
my-powerbook:/opt/ColdFusion8/bin cfqauser$ ls /Library/StartupItems/ColdFusion8/
ColdFusion8          StartupParameters.plist
my-powerbook:/opt/ColdFusion8/bin cfqauser$ ls -l
total 4288
-rwxr-xr-x  1 cfqauser  admin      504 Nov  6 10:13 SMSClient.sh
-rwxr-xr-x  1 cfqauser  admin      260 Jan 19  2008 StartupParameters.plist
-rwxr-xr-x  1 cfqauser  admin     7241 Nov  6 10:13 cf-init.sh
-rwxr-xr-x  1 cfqauser  admin     6671 Nov  6 10:13 cfcompile.sh
-rwxr-xr-x  1 cfqauser  admin    1501420 Jan 19  2008 cfencode.exe
-rwxr-xr-x  1 cfqauser  admin    110264 Jan 19  2008 cfencode.linux
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-rwxr-xr-x  1 cfqauser  admin      252 Nov  6 10:13 cfinfo
-rwxr-xr-x  1 cfqauser  admin      414 Nov  6 10:13 cfscan.sh
-rwxr-xr-x  1 cfqauser  admin      265 Nov  6 10:13 cfstat
-rwxr-xr-x  1 cfqauser  admin     7025 Nov  6 10:13 coldfusion
drwxr-xr-x  7 cfqauser  admin     238 Nov  6 10:13 connectors
-rwxr-xr-x  1 cfqauser  admin     860 Jan 23  2008 findjava.sh
lrwxr-xr-x  1 cfqauser  admin      39 Nov  6 10:13 jvm.config -> /opt/ColdFusion8/runtime/bin/jvm.config

```

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- * Uninstall startup service with cf-init.sh
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```

my-powerbook:/opt/ColdFusion8/bin cfqauser$ sudo ./cf-init.sh uninstall
Uninstall complete
my-powerbook:/opt/ColdFusion8/bin cfqauser$ ls /Library/StartupItems/ColdFusion8/
ls: /Library/StartupItems/ColdFusion8/: No such file or directory

```

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- * Again, run cf-init.sh to re-install startup service
 - * Notice failure on mv cf-standalone-startup to /Library/StartupItems
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```

my-powerbook:/opt/ColdFusion8/bin cfqauser$ sudo ./cf-init.sh install
Creating the Coldfusion 8 start script /Library/StartupItems/ColdFusion8/ColdFusion8
mv: rename /opt/ColdFusion8/bin/cf-standalone-startup to /Library/StartupItems/ColdFusion8/ColdFusion8: No such file or direc
Install complete
my-powerbook:/opt/ColdFusion8/bin cfqauser$ ls /Library/StartupItems/ColdFusion8/
StartupParameters.plist

```

```
my-powerbook:/opt/ColdFusion8/bin cfquser$
```

Issue 2 logged as bug ColdFusion 73178

The cf-init.sh function for install_mac() has a section for server configuration and a section for multiserver config, but the uninstall_mac () function only has a Server Config section looking for /Library/StartupItems/ColdFusion8, but not a Multiserver section to remove /Library/StartupItems/ColdFusion8Multi.

Notice that there is an option to configure CF for system startup with "Standalone" (a.k.a. Server Config) and an option for Multiserver Config.

```
install_mac() {
    if [ -f /Library/StartupItems/ColdFusion8 ]; then
        echo "Coldfusion 8 appears to already be set up to start on boot"
        exit 2
    fi
    if [ "$MULTI_SERVER" = "false" ]; then
        echo "Creating the Coldfusion 8 start script /Library/StartupItems/ColdFusion8/ColdFusion8"
        mkdir /Library/StartupItems/ColdFusion8
        mv -f $CF_DIR/bin/cf-standalone-startup /Library/StartupItems/ColdFusion8/ColdFusion8
        cp -f $CF_DIR/bin/StartupParameters.plist /Library/StartupItems/ColdFusion8/StartupParameters.plist
        chmod 544 /Library/StartupItems/ColdFusion8/*
        chown root:wheel /Library/StartupItems/ColdFusion8/*
    else
        echo "Creating the Coldfusion 8 Multi-server start script /Library/StartupItems/ColdFusion8Multi/ColdFusion8Multi"
        mkdir /Library/StartupItems/ColdFusion8Multi
        mv -f $CF_DIR/bin/cf-multi-startup /Library/StartupItems/ColdFusion8Multi/ColdFusion8Multi
        cp -f $CF_DIR/bin/StartupParameters.plist /Library/StartupItems/ColdFusion8Multi/StartupParameters.plist
        chmod 544 /Library/StartupItems/ColdFusion8Multi/*
        chown root:wheel /Library/StartupItems/ColdFusion8Multi/*
    fi
    echo "Install complete"
}
```

Notice that there is no option to remove ColdFusion8Multi from /Library/StartupItems

```
uninstall_mac() {
    if [ -f /Library/StartupItems/ColdFusion8 ]; then
        echo "Coldfusion 8 does not appear to be added to your init system"
        exit 2
    fi
    rm -rf /Library/StartupItems/ColdFusion8
    echo "Uninstall complete"
}
```