

How to implement locking/unlocking an OS X worker at user login/out

Many users have asked if we have scripts that would automatically lock the worker when a user logs in, and unlock it when they log out. Here's how.

- ensure that no other copies of `com.pipelinefx.WorkerLock.plist` exist in any of these directories:

`/System/Library/LaunchAgents`

`/Library/LaunchAgents`

or the user's `~/Library/LaunchAgents` directories

- install `com.pipelinefx.WorkerLock.plist` into `/Library/LaunchAgents`
- install `workerLock.py` into `/Applications/pfx/qube/scripts`
- fix the permissions on both of these files by running the following commands at a terminal prompt:

```
sudo chmod 644 /Library/LaunchAgents/com.pipelinefx.WorkerLock.plist
```

```
sudo chown root /Library/LaunchAgents/com.pipelinefx.WorkerLock.plist
```

```
sudo chgrp wheel /Library/LaunchAgents/com.pipelinefx.WorkerLock.plist
```

```
sudo chmod 755 /Applications/pfx/qube/scripts/workerLock.py
```

```
sudo chown root /Applications/pfx/qube/scripts/workerLock.py
```

```
sudo chgrp admin /Applications/pfx/qube/scripts/workerLock.py
```

- test the permissions and ownership:

```
ls -l /Library/LaunchAgents/com.pipelinefx.WorkerLock.plist  
/Applications/pfx/qube/scripts/workerLock.py
```

It should return something like:

```
-rwxr-xr-x@ 1 root admin 2721 Mar 28 13:43 /Applications/pfx/qube/scripts/workerLock.py
```

```
-rw-r--r-- 1 root wheel 685 Mar 28 13:00 /Library/LaunchAgents/com.pipelinefx.WorkerLock.plist
```

You're most interested in the values in the first column (the permissions for user, group, and other), and the owner (root) and group (admin or wheel).

Logout and back in to test, checking the worker lock status from another machine.

File 	Modified
>  <code>com.pipelinefx.WorkerLock.plist</code>	Oct 15, 2014 by John Burk
>  <code>workerLock.py</code>	Oct 15, 2014 by John Burk

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