

POSCONNECT ENHANCEMENTS: ONLINE UPDATES AND TASK SCHEDULER

Overview

The POSConnect Listener online updates are a group of additions to the existing POSConnect code, so that the license file, and any of the java libraries can be updated online, via a secure FTP connection to the PSS' servers. The automatic update libraries also responsible for uploading the daily transaction performance analytics.

The task scheduler is a separate program that is used to schedule daily tasks. Currently, it only has the ability to schedule daily recurring tasks. It runs as a separate process (or system service in Windows) than the POSConnect listeners and it can be started and stopped independently. It can also be used to schedule non-POSConnect related tasks, since it can run any command from the command line.

Operational Detail – Task Scheduler

The POSConnect task scheduler is used to schedule command line tasks to be executed at a certain time on a daily basis. The task scheduler is controlled by the *Scheduler.properties* file in the *config* directory.

Sample Scheduler Properties File:

```
Scheduler.log.path=../logs/Scheduler.log
Scheduler.task.test.licenseUpdate=./PCT.test.updateLicense || 04:05
Scheduler.task.test.restart=./PCT.test.restart || 04:10
Scheduler.task.softwareUpdate=./PCT.updateSoftware || 04:00
```

The *Scheduler.log.path* property defines the location of the scheduled log and it should not be changed. The format of tasks are: ***Scheduler.task.<task name>=<path of task to execute> || <time to execute in 24h format>***. There are no limits to the number of tasks that can be scheduled, thus any number of tasks can be added to the scheduler properties file.

Starting/Stopping – Task Scheduler

To start the scheduler in Unix, just run the *PCT.scheduler* script without any arguments. To stop the scheduler in Unix, type *ps -ef | grep PCT.scheduler* to find the process id and just kill the process (without the force kill -9 option). In windows, the PCT scheduler is installed as a system service, and the services control panel should be used to start and stop it. Any new tasks added to the *Scheduler.properties* file will not take effect until the scheduler is restarted.

The results and outputs of each task ran by the scheduler is in the *Scheduler.log* file in the *logs* directory.

Sample Scheduler Log File:

Jun 6, 2011 10:30:00 AM com.premieresys.TCS.POS.CommandLineTask run

ALL: Task: softwareUpdate. Executing command: ./PCT.updateSoftware

Jun 6, 2011 10:30:08 AM com.premieresys.TCS.POS.CommandLineTask run

ALL: Task softwareUpdate finished with exit value:0

Jun 6, 2011 10:30:08 AM com.premieresys.TCS.POS.CommandLineTask run

ALL: softwareUpdate output: Update process results:

POSConnect.jar : File is up to date

xercesImpl.jar : File is up to date

PSSTools.jar : File is up to date

asjava.jar : File is up to date

castor.jar : File is up to date

commons-net.jar : File is up to date

jsch.jar : File is up to date

log4j.jar : File is up to date

Update complete.

Jun 6, 2011 10:30:08 AM com.premieresys.TCS.POS.CommandLineTask run

ALL: Task softwareUpdate completed succesfully