Plugin Cron Tasks

In some cases plugins need to execute tasks on a regular basis. For example, if your plugin needs to send an email to a fulfillment center after an invoice is paid you'll want to create a cron task for that.

Adding Cron Tasks

To add cron tasks have your plugin invoke the CronTasks::add() and CronTasks::addTaskRun() methods during its install or upgrade process.

> ⚠️ **Don't forget**
>
> You need to remove any cron tasks you create when your plugin is completely uninstalled. First, invoke CronTasks::getTaskRunByKey(), and pass the cron task run id to the CronTasks::deleteTaskRun method. Then invoke CronTasks::getByKey(), and pass the cron task ID to the CronTasks::deleteTask() method.

/plugins/my_plugin/my_plugin_plugin.php

```php
<?php
class MyPluginPlugin extends Plugin {

    ...

    public function install($plugin_id) {
                Loader::loadModels($this, array("CronTasks"));

                $task = array(
                        'key' => "my_task", // a string used to identify this cron task (see MyPluginPlugin::
cron())
                        'task_type' => "plugin", // the cron task type, which must be 'plugin'
                        'dir' => "my_plugin", // the plugin directory of this plugin
                        'name' => "My Plugin Task", // the name of this cron task
                        'description' => "This cron tasks does stuff", // the description of this task
                        'type' => "time" // "time" = once per day at a defined time, "interval" = every few
minutes or hours
                );
                $task_id = $this->CronTasks->add($task);

                $task_run = array(
                        'time' => "14:25", // the daily 24-hour time that this task should run (optional,
required if interval is not given)
                        // 'interval' => "15", // the interval, in minutes, that this cron task should run
(optional, required if time is not given)
                        'enabled' => 1, // 1 if this cron task is enabled, 0 otherwise (optional, default 1)
                );
                $this->CronTasks->addTaskRun($task_id, $task_run);

                // Add additional cron tasks as needed...
    }

    public function cron($key) {
        // This method is invoked once for each different cron task configured by the plugin and identified by
$key
    }
}
?>
```

Executing Cron Tasks

Cron tasks are automatically executed at the appropriate time as configured by Company > Automation settings.