

# Monthly Job Scheduling Form Doesn't Have the Day 31

## Applies to:

Zend Server 8.5.X

GNU / Linux

Microsoft Windows

OS X

## Issue:

The day 31 is not listed when scheduling a monthly recurring Job from [Zend Server UI | Job Queue | Recurring Jobs](#).

## Solution 1:

To fix the issue, you need to do a small change in the file `/usr/local/zend/gui/module/JobQueue/views/job-queue/recurring-jobs/form.phtml` for GNU / Linux and OS X or in `C:\Program Files (x86)\Zend\ZendServer\gui\module\JobQueue\views\job-queue\recurring-jobs\form.phtml` for Microsoft Windows to add the day 31.

### For GNU / Linux:

Execute the following commands as root:

```
# cd /usr/local/zend/gui/module/JobQueue/views/job-queue/recurring-jobs/  
# cp form.phtml form.phtml-orig  
# sed -i 's/day < 31/day <= 31/' form.phtml
```

### For Microsoft Windows:

1. Create a backup copy of form.phtml
2. Open form.phtml in a text editor.
3. Locate the following line (should be line 422):

```
<?php for ($day = 1; $day < 31; $day++): ?>
```

4. Replace it with:

```
<?php for ($day = 1; $day <= 31; $day++): ?>
```

5. Save the file.

### For OS X:

```
$ sudo sed -i 's/original "s/day < 31/day <= 31"/usr/local/zend/gui/module/JobQueue/views/job-queue/recurring-jobs/form.phtml
```

**This will backup the file *form.phtml* as *form.phtml.original* and do the necessary change.**

Finally refresh the Zend Server UI page and go to the [recurring Job rule's page](#) to see whether the day 31 appears in the drop down list while adding a Monthly Job rule.

## Solution 2:

The Zend Server UI has some limitations in scheduling the recurring jobs - it is in fact impractical to implement the full UI to cron. Therefore, if you need to implement some advanced scheduling options, consider doing this through [Zend Server's Job Queue API](#) - by means of a simple PHP script. For example, if you want to run a job at the last day of each month, you can do it like this:

```
<?php
```

```
$URL="http://server/monthly_report.php";  
$queue = new ZendJobQueue();
```

```
$jobId31 = $queue->createHttpJob($URL, array(), array("name" => "Monthly Report: 31-day months", "schedule" => "0 1 31 1,3,5,7,8,10,12"));  
$jobId30 = $queue->createHttpJob($URL, array(), array("name" => "Monthly Report: 30-day months", "schedule" => "0 1 30 4,6,9,11"));  
$jobId28 = $queue->createHttpJob($URL, array(), array("name" => "Monthly Report: February", "schedule" => "0 1 28 2"));
```

These jobs will run at 1:00AM on the last day of each month.

**Note:**

This issue is already resolved in the next Zend Server release 9.0.