

Jetspeed2 HowToUseScheduler

How to use the scheduler service

Create a job class

Create a job class (i.e. DummyJob) in package *your.package*. This class must extend *org.apache.jetspeed.scheduler.ScheduledJob*.

```
import org.apache.jetspeed.scheduler.JobEntry;
import org.apache.jetspeed.scheduler.ScheduledJob;

public class DummyJob extends ScheduledJob {

    public void run(JobEntry arg0) throws Exception {
        System.out.println("executing the dummy job");
    }
}
```

Create the scheduler config file

Create the config file *WEB-INF/conf/scheduler.properties*.

```
jobs=your.package.DummyJob

job.your.package.DummyJob.ID=1
job.your.package.DummyJob.SECOND=1
job.your.package.DummyJob.MINUTE=1
job.your.package.DummyJob.HOUR=-1
job.your.package.DummyJob.WEEKDAY=-1
job.your.package.DummyJob.DAY_OF_MONTH=-1
```

Executes the DummyJob every minute.

To define more than one job, do it like this:

```
jobs=your.package.DummyJob1,your.package.DummyJob2

job.your.package.DummyJob1.ID=1
job.your.package.DummyJob1.SECOND=-1
...

job.your.package.DummyJob2.ID=1
job.your.package.DummyJob2.SECOND=-1
...
```

Create the spring configuration

Create the spring configuration file *WEB-INF/assembly/scheduler.xml*.

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE beans PUBLIC "-//SPRING//DTD BEAN//EN" "http://www.springframework.org/dtd/spring-beans.dtd">
<!--
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    WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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-->
<beans>
    <!-- Scheduler Configuration Implementation -->
    <bean id="scheduler_configuration" class="org.apache.commons.configuration.PropertiesConfiguration">
        <constructor-arg>
            <value>${applicationRoot}/WEB-INF/conf/scheduler.properties</value>
        </constructor-arg>
    </bean>

    <!-- Scheduler Implementation -->
    <bean id="PortalScheduler"
        class="org.apache.jetspeed.scheduler.MemoryBasedScheduler"
        init-method="start"
        destroy-method="stop"
        >
        <constructor-arg index='0'><ref bean="scheduler_configuration" /></constructor-arg>
    </bean>
</beans>

```

Rebuild/Restart Jetspeed

You know how.