

scheduler

Where is the method executed?

The scheduled methods are executed in the client in which they are started. This means that if the client is closed, the scheduled method(s) will not run anymore. See [Batch Processors](#) for information how to continuously run methods in the background, in a client that will not be closed (automatically)

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Supported Clients

SmartClient WebClient NGClient

Methods Summary

void	addCronJob(jobname, cronTimings, method)	Adds a cron job to the scheduler.
void	addCronJob(jobname, cronTimings, method, startDate)	Adds a cron job to the scheduler.
void	addCronJob(jobname, cronTimings, method, startDate, endDate)	Adds a cron job to the scheduler.
void	addCronJob(jobname, cronTimings, method, startDate, endDate, arguments)	Adds a cron job to the scheduler.
void	addJob(jobname, startDate, method)	Adds a job to the scheduler.
void	addJob(jobname, startDate, method, repeatInterval)	Adds a job to the scheduler.
void	addJob(jobname, startDate, method, repeatInterval, repeatCount)	Adds a job to the scheduler.
void	addJob(jobName, startDate, method, repeatInterval, repeatCount, endDate)	Adds a job to the scheduler.
void	addJob(jobname, startDate, method, repeatInterval, repeatCount, endDate, arguments)	Adds a job to the scheduler.
void	addJob(jobname, startDate, method, arguments)	Adds a job to the scheduler.
Array	getCurrentJobNames()	Returns an array with the current jobs.
String	getLastRunJobName()	Returns the last job run from the scheduler.
Boolean	removeJob(jobname)	Removes a job from the scheduler.

Methods Details

addCronJob(jobname, cronTimings, method)

Adds a cron job to the scheduler. A cron job must have at least one minute between each execution (otherwise it won't execute).

Parameters

[String](#) jobname ;
[String](#) cronTimings ;
[Function](#) method ;

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
// see: http://www.quartz-scheduler.org/documentation/quartz-2.3.0/tutorials/tutorial-lesson-06.html for more info
// add a job that runs every 20 minutes after the hour (0,20,40)
plugins.scheduler.addCronJob('20mins','0 0/20 * * * ?',method)
// add a job that runs every day at 23:30 between now and 5 days from now
var dateNow = new Date();
var date5Days = new Date(dateNow.getTime()+5*24*60*60*1000);
plugins.scheduler.addCronJob('23:30','0 30 23 ? * *',method,dateNow,date5Days)
```

addCronJob(jobname, cronTimings, method, startDate)

Adds a cron job to the scheduler. A cron job must have at least one minute between each execution (otherwise it won't execute).

Parameters

```
String jobname ;
String cronTimings;
Function method ;
Date startDate ;
```

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SmartClient,WebClient,NGClient

Sample

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```

addCronJob(jobname, cronTimings, method, startDate, endDate)

Adds a cron job to the scheduler. A cron job must have at least one minute between each execution (otherwise it won't execute).

Parameters

```
String jobname ;
String cronTimings;
Function method ;
Date startDate ;
Date endDate ;
```

Supported Clients

SmartClient,WebClient,NGClient

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addCronJob(jobname, cronTimings, method, startDate, endDate, arguments)

Adds a cron job to the scheduler. A cron job must have at least one minute between each execution (otherwise it won't execute).

Parameters

```
String jobname ;
String cronTimings;
Function method ;
Date startDate ;
Date endDate ;
Array arguments ;
```

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SmartClient,WebClient,NGClient

Sample

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// see: http://www.quartz-scheduler.org/documentation/quartz-2.3.0/tutorials/tutorial-lesson-06.html for more
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plugins.scheduler.addCronJob('23:30','0 30 23 ? * *',method,dateNow,date5Days)
```

addJob(jobname, startDate, method)

Adds a job to the scheduler.

Parameters

```
String jobname ;
Date startDate;
Function method ;
```

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
// add a job that runs at the given date (20 seconds in the future)
// and repeats that every 20 seconds for 40 times or the enddate is reached (0 for no repeats = just one call)
var startDate = new Date();
startDate.setTime(startDate.getTime()+20000);
var endDate = new Date(startDate.getTime()+100000);
plugins.scheduler.addJob('in20seconds',startDate,method,20000,40,endDate)
```

addJob(jobname, startDate, method, repeatInterval)

Adds a job to the scheduler.

Parameters

```
String jobname ;
Date startDate ;
Function method ;
Number repeatInterval ms
```

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
// add a job that runs at the given date (20 seconds in the future)
// and repeats that every 20 seconds for 40 times or the enddate is reached (0 for no repeats = just one call)
var startDate = new Date();
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plugins.scheduler.addJob('in20seconds',startDate,method,20000,40,endDate)
```

addJob(jobname, startDate, method, repeatInterval, repeatCount)

Adds a job to the scheduler.

Parameters

```
String  jobname    ;
Date    startDate  ;
Function method    ;
Number  repeatInterval ms
Number  repeatCount ;
```

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
// add a job that runs at the given date (20 seconds in the future)
// and repeats that every 20 seconds for 40 times or the enddate is reached (0 for no repeats = just one call)
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plugins.scheduler.addJob('in20seconds',startDate,method,20000,40,endDate)
```

addJob(jobName, startDate, method, repeatInterval, repeatCount, endDate)

Adds a job to the scheduler.

Parameters

```
String  jobName    ;
Date    startDate  ;
Function method    ;
Number  repeatInterval ms
Number  repeatCount ;
Date    endDate    ;
```

Supported Clients

SmartClient,WebClient,NGClient

Sample

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addJob(jobname, startDate, method, repeatInterval, repeatCount, endDate, arguments)

Adds a job to the scheduler.

Parameters

```
String  jobname    ;
Date    startDate  ;
Function method    ;
Number  repeatInterval ms
Number  repeatCount ;
Date    endDate    ;
Array   arguments  ;
```

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plugins.scheduler.addJob('in20seconds',startDate,method,20000,40,endDate)
```

addJob(jobname, startDate, method, arguments)

Adds a job to the scheduler.

Parameters

`String` jobname ;
`Date` startDate ;
`Function` method ;
`Array` arguments;

Supported Clients

SmartClient,WebClient,NGClient

Sample

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plugins.scheduler.addJob('in20seconds',startDate,method,20000,40,endDate)
```

getCurrentJobNames()

Returns an array with the current jobs.

Returns

`Array`

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
plugins.scheduler.getCurrentJobNames()
```

getLastRunJobName()

Returns the last job run from the scheduler.

Returns

`String`

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
plugins.scheduler.getLastRunJobName();
```

removeJob(jobname)

Removes a job from the scheduler.

Parameters

`String` jobname ;

Returns

`Boolean`

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
// removes a job 'myjob' from the scheduler
plugins.scheduler.removeJob('myjob');
```