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Starting an Executable Daily

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Daily Trigger Example (XML)

Article • 04/18/2022 • 4 contributors

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The XML in this example defines a task that starts Notepad at 8:00 AM every day. The example also shows how to set a repetition pattern for the trigger to repeat the task.

To register a task that is defined in XML, you can use either the [ITaskFolder::RegisterTask](#) function ([TaskFolder.RegisterTask](#) for scripting) or the Schtasks.exe command-line tool. If you use the Schtasks.exe tool (located in the C:\Windows\System32 directory), then you can use the following command to register the task: `schtasks /create /XML <path to the XML file containing the task definition> /tn <task name>`.

To define a task to start Notepad every day at 8:00 AM

The following XML example shows how to define a task with a single execution action (starting Notepad), a single calendar trigger (starts the task every day at 8:00 AM), and several other task settings that affect how the task is handled by Task Scheduler.

XML

Copy

```
<?xml version="1.0" ?>
<!--
This sample schedules a task to start on a daily basis.
-->
<Task xmlns="http://schemas.microsoft.com/windows/2004/02/mit/task">
  <RegistrationInfo>
    <Date>2005-10-11T13:21:17-08:00</Date>
    <Author>AuthorName</Author>
    <Version>1.0.0</Version>
    <Description>Notepad starts every day.</Description>
  </RegistrationInfo>
  <Triggers>
    <CalendarTrigger>
      <StartBoundary>2005-10-11T13:21:17-08:00</StartBoundary>
      <EndBoundary>2006-01-01T00:00:00-08:00</EndBoundary>
      <Repetition>
```

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```
<Interval>PT1M</Interval>
<Duration>PT4M</Duration>
</Repetition>
<ScheduleByDay>
  <DaysInterval>1</DaysInterval>
</ScheduleByDay>
</CalendarTrigger>
</Triggers>
<Principals>
  <Principal>
    <UserId>Administrator</UserId>
    <LogonType>InteractiveToken</LogonType>
  </Principal>
</Principals>
<Settings>
  <Enabled>true</Enabled>
  <AllowStartOnDemand>true</AllowStartOnDemand>
  <AllowHardTerminate>true</AllowHardTerminate>
</Settings>
<Actions>
  <Exec>
    <Command>notepad.exe</Command>
  </Exec>
</Actions>
</Task>
```

TaskScheduler Schema Elements

Here are some important elements to keep in mind when using this example.

- [RegistrationInfo](#)

Contains registration information about the task.

- [Triggers](#)

Defines the trigger that starts the task.

- [CalendarTrigger](#)

Defines the daily calendar trigger. In this case, four child elements are used: the start and end boundaries that specify when the trigger is activated and deactivated, the daily schedule, and the repetition pattern for the task. The [StartBoundary](#) element is a required element for calendar triggers.

- [ScheduleByDay](#)

Defines the daily schedule. In this case, the interval is set to perform the task every day.

- [Principal](#): Defines the security context that a task runs under.

- [Settings](#)

Defines the task settings that Task Scheduler uses to perform the task.

- [Actions](#)

Defines the actions the task performs (in this case, running Notepad).

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