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Daily Trigger Example (XML)

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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 version="1.0" ?>
<!--
This sample schedules a task to start on a daily basis.
-->
<Task xmlns="http://schemas.microsoft.com/windows/2004/02/mit/ta
    <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</StartBound
            <EndBoundary>2006-01-01T00:00:00-08:00</EndBoundary>
            <Repetition>
                <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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