WiX v4 is here! Let us help. (/services/conversion-offer/?utm_source=firegiant.com&utm_medium=Display&
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Framed by .NET

If you need to determine the presence of the .NET
Framework on the user's computer, you can use the
WixNetFxExtension extension module that comes with
WiX. This extension sets a large number of properties (the
complete list can be found in the WiX help file) for every
version of the framework. The most important ones for us
will be:

- **NETFRAMEWORKxx**: Set if the specified version of the framework is installed.
- **NETFRAMEWORKxx_SP_LEVEL**: Set to the Service Pack level of the framework.
- **NETFRAMEWORKxxINSTALLROOTDIR**: Set to the installation folder of the framework.

All you have to do to read the value of any of these properties is to reference them using a `PropertyRef` tag:

```
<PropertyRef Id="NETFRAMEWORK10"/>
<Condition Message='This setup requires the .NET
Framework 1.0 installed.'>
  <![CDATA[Installed OR NETFRAMEWORK10]]>
</Condition>
```

If you need to check for a Service Pack, you don't even have to check for the framework version itself, the SP property will only be set if the base framework is also present. However, you first need to check whether the property is set at all, then go on checking which value it actually has:

```
<PropertyRef Id="NETFRAMEWORK20_SP_LEVEL"/>
<Condition Message='This setup requires the .NET
Framework 2.0 with Service Pack 1 installed.'>
  <![CDATA[Installed OR (NETFRAMEWORK20_SP_LEVEL
AND NETFRAMEWORK20_SP_LEVEL = "#1")]]>
</Condition>
```

About FireGiant

Now you can install with confidence. FireGiant arms you with accurate support from the creators of WiX.

Because there are no questions we can't answer or problems we can't solve, you can unleash the full functionality of WiX without a doubt.

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With later framework versions, extra properties are also available:

```
<PropertyRef Id="NETFRAMEWORK35_CLIENT"/>
<Condition Message='This setup requires the .NET
Framework 3.5 client profile installed.'>
  <![CDATA[Installed OR NETFRAMEWORK35_CLIENT]]>
</Condition>
```

When you link the installer, don't forget to link against the *WixNetFxExtension* module:

```
candle.exe SampleDotNET.wxs
light.exe -ext WixNetFxExtension SampleDotNET.wi
xobj
```

You can download the complete SampleDotNET. (/system /files/samples/SampleDotNET.zip)

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