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# Beyond Files

In the real life out there, you'll probably need more to do than to copy files into their final repository. To create a registry keys, include them inside a `RegistryKey` in the component:

```
<RegistryKey Root='HKLM' Key='Software\Acme\FooBar 1.0'>
  <RegistryValue Type='string' Name='InstallDir' Value='[INSTALLDIR]'/>
  <RegistryValue Type='integer' Name='Flag' Value='0'/>
</RegistryKey>
```

Type can be *string*, *integer*, *binary*, *expandable*, or *multiString*. If the Name attribute is omitted, the default key will be created.

In the case of a *multiString*, use one or more `MultiStringValue` children to specify the individual strings. You can also include the `Root` and `Key` attributes directly on the `RegistryValue` element:

```
<RegistryValue Root='HKLM' Key='Software\Acme\FooBar 1.0' Type='multiString' Name='InstallDir'>
  <MultiStringValue>[TARGETDIR]</MultiStringValue>
  <MultiStringValue>[INSTALLDIR]</MultiStringValue>
  <MultiStringValue>[ProgramFilesFolder]</MultiStringValue>
</RegistryValue>
```

If your application handles its own file data type, you will need to register a file association for it. Put a `ProgId` inside your component. `FileId` should refer to the `Id` attribute of the `File` element describing the file meant to


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handle the files of this extension:

```
<ProgId Id='AcmeFoobar.xyzfile' Description='Acme Foobar data file'>
  <Extension Id='xyz' ContentType='application/xyz'>
    <Verb Id='open' Command='Open' TargetFile='FileId' Argument='"%1"' />
  </Extension>
</ProgId>
```

To assign an icon to this file type, you have to specify where the icon should come from:

```
<ProgId Id='AcmeFoobar.xyzfile' Description='Acme Foobar data file' Icon='Foobar.ico'>
```

or, if the icon comes from an executable or resource file containing several icons, you can specify which one:

```
<ProgId Id='AcmeFoobar.xyzfile' Description='Acme Foobar data file' Icon='Foobar.exe' IconIndex='1'>
```

And finally, if you want to write an .ini file---although the registry is more in vogue these days---this is what you need in your component:

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```
<IniFile Id="WriteIntoIniFile" Directory="INSTAL
LDIR" Name="Foobar.ini" Action="addLine" Key="In
stallDir" Section="Paths" Value="[INSTALLDIR]" /
>
```

In the next lesson we'll see how to implement a user interface so that the user can get a chance to decide what and where to install.

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