

# programmatically changing the .net version of virtual directory

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2006-05/msg02597.html>

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I am looking for a way to programmatically change the .net version of the virtual directory that I am creating within a aspx page. As part of creating a new customer in my asp.net 2 application, it automatically creates a virtual directory and configures it. I am using the DirectoryServices.DirectoryEntry class in C# to do this. I am unable to set the .Net version of the virtual directory from 1.1 to version 2. All searches led me to the aspnet\_regiis.exe. I tried 2 different solutions:–

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1. Call aspnet\_regiis.exe –s W3SVC/1/root/vdirname from my aspx page after creating the virtual directory. It fails because the process is running as 'NETWORK SERVICE' user who does not have enough permission to do these. When I changed the identity of the Application Pool from 'Network Service' to 'Local System', I could run successfully change the version using aspnet\_regiis.exe

```
//Code in aspx page
string strFrameworkVersion =
ConfigurationManager.AppSettings["frameworkVersion"];
string winPath = Environment.GetEnvironmentVariable("windir");
string fullPath = winPath + @"\" + "Microsoft.NET\Framework\" + strFrameworkVersion + @"\" + "aspnet_regiis.exe";
string args = " -s " + "W3SVC/1/root/" + nameDirectory;

ProcessStartInfo startInfo = new ProcessStartInfo(fullPath);
startInfo.WindowStyle = ProcessWindowStyle.Hidden;
startInfo.UseShellExecute = false;
startInfo.RedirectStandardOutput = true;
startInfo.RedirectStandardError = true;

System.Diagnostics.Process process = new System.Diagnostics.Process();
startInfo.Arguments = args;
process.StartInfo = startInfo;
process.Start();
process.WaitForExit();
```

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2. I tried to modify the scriptmap programmatically to match what

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aspnet\_regiis.exe does, i.e. changes the path to the right version of .NET.  
But that made no difference. In fact, after running this code, the virtual directory had no version of .NET selected.

```
PropertyValueCollection vals = siteVDir.Properties["ScriptMaps"];
ArrayList objScriptMaps = new ArrayList();
string frameworkVersion =
ConfigurationManager.AppSettings["frameworkVersion"];

foreach (string val in vals)
{
if (val.Contains("Framework"))
{
string version = val.Substring(val.IndexOf("Framework")
+ 10, 9);
if(version != frameworkVersion)
{
objScriptMaps.Add( val.Replace(version,
frameworkVersion));
}
}
else
{
objScriptMaps.Add(val);
}
}

siteVDir.Properties["ScriptMaps"].Value =
objScriptMaps.ToArray();
siteVDir.CommitChanges();
```

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What is the most appropriate way to change the .NET version of the created virtual directory, programmatically from within an aspx page?

Thanks  
Rakesh

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