

# Re: Run SQL scripts from VB.NET

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2007-09/msg02950.html>

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- *From:* "Cowboy \((Gregory A. Beamer)" <[NoSpamMgbworld@xxxxxxxxxxxxxxxxxxxxx](mailto:NoSpamMgbworld@xxxxxxxxxxxxxxxxxxxxx)>
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You can open a text file with SQL statements and run them. You can also set up an installer that you can automate that runs the build and change scripts. Another option is setting up the create and change scripts as stored procedures and running using the database name, etc. The last one will not work if this is an install you are not controlling.

Another thing you might look into, if this is an Enterprise build, is use a tool like Cruise Control .NET (continuous integration). With CC .NET, your project is built every time you check in source code. It gives you the ability, using nAnt, to set up build tasks that run automatically. And, it can be configured against vault. This is, of course, for your developer test area and not to automatically be run against production, but you can use the same tasks that you have used on your development machine.

If you have Team Foundation Server, you also have the option of using the Build Server. If not, MSBuild can be used to automate a great variety of tasks and build an application.

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Gregory A. Beamer  
MVP, MCP: +I, SE, SD, DBA

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 | Think outside the box!  
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 <[gamesforums@xxxxxxxxxxxxx](mailto:gamesforums@xxxxxxxxxxxxx)> wrote in message  
[news:1191071247.271088.292790@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:1191071247.271088.292790@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hi Everyone!

I work in a company that has developed several VB.Net Web applications. Currently we use SourceGear's Vault for source control and versioning for the application files. One area that have been left behind a little bit is the version control on database level. Our typical installation of an application is like this:

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1. Get latest application file build from FinalBuilder.
2. Install the build output.
3. Run SQL scripts:
  - 3.1 Manually run BuildScripts from \\application folder\BuildScripts\ that creates database, storeproc, tables etc.
  - 3.2 Manually run ChangeScripts from \\application folder \ChangeScripts  
\, this is multiple scripts and any changes on the database level is added in a new script with a number in the script indicating versionnr  
(ChangeScr\_001.sql – ChangeScr\_087.sql) Currently 087.sql is the latest.

What we are trying to do right now is to get rid of the manual steps in 3.1 and 3.2 by building these into the application startup. As mentioned in the topic i need to run the BuildScripts (if database is not installed) and then the ChangeScripts the first time the application is started. I'm told to do this from the Application\_Start method in Global.asax.

What's the easiest way for me to execute all the BuildScripts and ChangeScripts ? Is it possible to read all scripts into a streamreader and then send the stream to command.ExecuteNonQuery. One other thing is that I want this to be in a transaction, so that if it fails it will be rolled back.

Any tips or codesnippets are greatly appreciated! :)

Regards  
Mcad