
Subject: Re: SVN Question

Posted by [Vince Hradil](#) on Mon, 10 Dec 2007 16:43:23 GMT

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On Dec 10, 10:27 am, David Fanning <n...@dfanning.com> wrote:

> Subversion Experts,
>
> I am still struggling to get my subversion database set
> up the way I want it so I can manage it from within
> the Workbench.
>
> I set up a SNVRepository with TortoiseSNV and imported
> a trunk, branches, and tags directory structure.
>
> What I would like to have is under "trunk" the directories
> "coyote", "catalyst", etc. I was able to do this with
> TortoiseSNV, but I am trying to learn how to do this
> under the Workbench. (I'm always thinking about how I
> would teach this to someone else.)
>
> So, with just the trunk, branches, and tags directories in
> my repository, I bring up the SVN Repository view, and I
> right click inside it, and choose Export. The URL of my
> repository shows up, but cannot be changed. It points
> to "trunk". I can export the proper directory with file,
> then I import them back into an IDL project (giving in and
> putting it in the IDL Workspace, as I am too weary to
> do otherwise), etc. But, in my repository, all the files
> are lumped into one big trunk directory.
>
> This is not what I want, as there is a possibility that
> some files in "coyote" should be different in "catalyst", etc.
>
> Is the answer to do all repository setup with TortoiseSNV,
> and just import files from there into the Workbench?
>
> Signed,
>
> Confused (as always)
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

So let me see... you want to have separate IDL projects for coyote, catalyst, etc. in the IDLDE with the files in each of these to be from the trunk/coyote, trunk/catalyst, trunk/etc. repository directories?

What you need to do is create the projects in IDLDE or using TortoiseSVN as folders: coyote, catalyst, etc. Then "Check-out" (not export, unless you really want to export, but then you can't keep track of changes), each of the folders into the respective IDL project folders. I'm not sure exactly how to do this in Workbench, but it probably is something like - in SVN perspective, right-click on the coyote folder and select "check-out" (or maybe Team->check-out [sorry I don't have IDL in front of me right now]). Then choose the destination folder in the IDL workspace/project called "coyote". Continue...

An easier way may be to check-out the entire trunk to a local directory (using TortoiseSVN), then create projects in IDLDE from the folders created by the check-out.

Good luck.

Subject: Re: SVN Question

Posted by [Paul Van Delst\[1\]](#) on Mon, 10 Dec 2007 17:08:41 GMT

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David Fanning wrote:

- > Subversion Experts,
- >
- > I am still struggling to get my subversion database set
- > up the way I want it so I can manage it from within
- > the Workbench.
- >
- > I set up a SNVRepository with TortoiseSNV and imported
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- > "coyote", "catalyst", etc. I was able to do this with
- > TortoiseSNV, but I am trying to learn how to do this
- > under the Workbench. (I'm always thinking about how I
- > would teach this to someone else.)
- >
- > So, with just the trunk, branches, and tags directories in
- > my repository, I bring up the SVN Repository view, and I
- > right click inside it, and choose Export.

Don't you want "checkout" ? I assume you're creating a new local sandbox. I only use "export" when I want to package code up for delivery (i.e. I don't want all the ".svn" subdirs in my tarball... although the --exclude flag in "tar" works for that too).

- > The URL of my

- > repository shows up, but cannot be changed. It points
- > to "trunk". I can export the proper directory with file,
- > then I import them back into an IDL project (giving in and
- > putting it in the IDL Workspace, as I am too weary to
- > do otherwise), etc. But, in my repository, all the files
- > are lumped into one big trunk directory.
- >
- > This is not what I want, as there is a possibility that
- > some files in "coyote" should be different in "catalyst", etc.

This statement confuses me. You don't have replicated files in your repository, surely? E.g. there is only one version of fsc_color.pro that is used by code in both the "coyote" and "catalyst" directories.

Or do you mean "projects" here?

- > Is the answer to do all repository setup with TortoiseSVN,
- > and just import files from there into the Workbench?

My MO is:

- 1) Create a sandbox (branch or trunk, depending on the magnitude of changes being made)
- 2) Modify code
- 3) Run tests
(repeat 2 and 3 as necessary)
- 4) Commit changes
(repeat 2-4 as necessary)
- 5) Merge with trunk (if appropriate).

You should be able to create as many sandboxes as you want, for different projects or whatever. You should also be able to create "partial" sandboxes. I hardly ever check out my entire repository. My Fortran95 subdir doesn't need to know about my IDL subdir.

I can't help you with Workbench-related stuff apart from asking "Why is an IDE making it *harder* for you to do work?" Parts (2) and (3) are where I can see a developer would benefit from IDE bells, whistles and gongs. But parts (1), (4), and (5) should simply be passed along to Subversion, no?

cheers,

paulv

Subject: Re: SVN Question

Posted by [David Fanning](#) on Mon, 10 Dec 2007 17:23:11 GMT

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Paul van Delst writes:

> I can't help you with Workbench-related stuff apart from asking "Why is an IDE making it
> *harder* for you to do work?"

I haven't come to a final conclusion about whether the problem lies with the IDE or with the clueless programmer. But I'm just saying, if I am in any respect "typical" of the sort of person trying to do this and take advantage of the future, then its not as, uh, obvious as I hoped it would be. :-(

Cheers,

David

P.S. Let's just say a couple of book ideas have already sprung to mind this morning. When given lemons, make lemonade!

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: SVN Question

Posted by [David Fanning](#) on Mon, 10 Dec 2007 17:28:10 GMT

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Paul van Delst writes:

> This statement confuses me. You don't have replicated files in your repository, surely?
> E.g. there is only one version of fsc_color.pro that is used by code in both the "coyote"
> and "catalyst" directories.

Some of you may have experienced the difficulties inherent in trying to maintain backward compatible code. Of course, I always stay on the cutting edge of things, but occasionally customers have older (MUCH older!) versions of IDL. Catalyst, in particular, seems to run into this problem, and I've had to maintain "old" versions that don't support some of the newest features of the language.

Cheers,

David

--

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Subject: Re: SVN Question

Posted by [Paul Van Delst\[1\]](#) on Mon, 10 Dec 2007 18:48:40 GMT

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David Fanning wrote:

> Paul van Delst writes:

>

>> This statement confuses me. You don't have replicated files in your repository, surely?

>> E.g. there is only one version of fsc_color.pro that is used by code in both the "coyote"

>> and "catalyst" directories.

>

> Some of you may have experienced the difficulties inherent

> in trying to maintain backward compatible code. Of course,

> I always stay on the cutting edge of things, but occasionally

> customers have older (MUCH older!) versions of IDL. Catalyst,

> in particular, seems to run into this problem, and I've had

> to maintain "old" versions that don't support some of the

> newest features of the language.

Wouldn't older version be tagged as "released" or in separate release branches? You don't want old stuff polluting your trunk, surely.

The way I organise my repository (not my idea, adapted it from Mike Mason's "Pragmatic Version Control using Subversion") is via the following conventions:

e.g.:

svnrepos

|-- trunk

|-- branches

| |-- RB-1.0

| |-- RB-1.0.1

| |-- RB-1.0.2

| |-- EXP-exp1_name

| |-- EXP-exp2_name

| `-- RB-2.0

-- tags

|-- REL-1.0

`-- REL-1.0.1

with:

trunk: The main line of stable, planned development

branches:

- Release Branches are label "RB-rel#"
- EXPerimental development branches are labeled "EXP-desc"

tags:

- Actual RELeases are label "REL-rel#" (matches the RB tag)
- Also tag snapshots of trunk or other branches (add the date and rev# to tag).
- NO DEVELOPMENT (otherwise it would be a branch).

So, if I need to keep an older release around (that some client is still using, dammit :o), it's in a branch. Appropriate changes can still be merged to/from the trunk from/to any of the branches as needed. Bleeding edge stuff goes in a "EXP" branch.

In subversion, branches and tags are cheap - so use 'em liberally and wear them out.

cheers,

paulv

p.s. There are some additional naming conventions for bug fixes if you have a tracking system too.

Subject: Re: SVN Question

Posted by [David Fanning](#) on Mon, 10 Dec 2007 18:53:58 GMT

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Paul van Delst writes:

> There are some additional naming conventions for bug fixes if you have a tracking
> system too.

Yeah, I'm setting that up this afternoon. :-)

Cheers,

David

P.S. I'm going to go look for that book right now. I'm pretty sure most of my problem is that I don't have a clue what I am doing yet.

--

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Subject: Re: SVN Question

Posted by [Michael Galloy](#) on Mon, 10 Dec 2007 19:30:05 GMT

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On Dec 10, 11:53 am, David Fanning <n...@dfanning.com> wrote:

- > P.S. I'm going to go look for that book right now. I'm
- > pretty sure most of my problem is that I don't have a
- > clue what I am doing yet.

Don't forget this book:

<http://svnbook.red-bean.com/>

The "Team" menu for the Subclipse plugin is pretty much a direct mapping from the svn command line interface.

Mike

--

www.michaelgalloy.com

Tech-X Corporation

Software Developer II

Subject: Re: SVN Question

Posted by [David Fanning](#) on Mon, 10 Dec 2007 19:41:35 GMT

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mgalloy@gmail.com writes:

- > Don't forget this book:
- >
- > <http://svnbook.red-bean.com/>
- >
- > The "Team" menu for the Subclipse plugin is pretty much a direct
- > mapping from the svn command line interface.

OK, so at least the first 20 or so references to "team" in that book seem to be talking about "programming teams", people writing software together. Does "Team" in the context of this Pop-Up menu mean the "kinds of things you could do if you were working on a programming team", or is it something more generic to plug-ins? Or, did this menu item not even appear before I installed the Subclipse plug-in? (I am loath to uninstall it now that it is working to find out.)

I'm just trying to understand why someone would find themselves looking for the "Team" menu to do some of

this stuff.

Cheers,

David

--

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Subject: Re: SVN Question

Posted by [Vince Hradil](#) on Mon, 10 Dec 2007 19:50:15 GMT

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On Dec 10, 1:41 pm, David Fanning <n...@dfanning.com> wrote:

> mgal...@gmail.com writes:

>> Don't forget this book:

>

>> <http://svnbook.red-bean.com/>

>

>> The "Team" menu for the Subclipse plugin is pretty much a direct
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> this stuff.

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> Cheers,

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> David

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- > Sepore ma de ni thui. ("Perhaps thou speakest truth.")

I think "Team" comes from the Subclipse plugin - as in "Team of programmers". I'm a small team of one - I suspect many of us are 8^)

Subject: Re: SVN Question

Posted by [David Fanning](#) on Mon, 10 Dec 2007 20:01:59 GMT

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Vince Hradil writes:

- >
- > I think "Team" comes from the Subclipse plugin - as in "Team of
- > programmers". I'm a small team of one - I suspect many of us are 8^)

That's probably my problem. I share this space with Coyote and the dog. The dog is not too bad. She pokes me in the elbow every now and then, which causes some messy code, but giving her a treat sorts it out for another couple of hours.

But, Coyote is incorrigible! I've had to install my SNVRepository file six times now because he keeps screwing it up. I guess we are just really lucky I'm the only one in the IDL Universe struggling with this.

Cheers,

David

P.S. I just opened my UNIX installation to see what the Team pop-up menu says there. *Much* fewer options, but one of those is "Apply Patch". Is there any chance at all that selecting this option will make that sorry machine faster?

--

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Subject: Re: SVN Question

Posted by [David Fanning](#) on Mon, 10 Dec 2007 20:30:37 GMT

David Fanning writes:

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> Team pop-up menu says there. *Much* fewer options, but
> one of those is "Apply Patch". Is there any chance at
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Ok, I just tracked down *another* source of confusion.
(Which only begs more questions, but, hey, this can be
as much a spiritual path as any other.)

If I right click on files that are NOT under Subversion
control in my Project Explorer I find that pesky "Apply Patch..."
option, as well as a "Show Local History". Selecting the
first asks me to locate the "patch" (What patch!? You asked
me!). Selecting the second tells me I have "no local history".
Thank God! I'd be VERY worried if I thought there was a
paper trail.

Of course, if I select a file that IS under Subversion
control, I get all kinds of useful selections under the
same menu. Significantly, "Apply Patch..." is not one of
them.

I guess one of the things that bothers me about this
interface (and iTools, too, come to think of it), is
all kinds of options and buttons and things that you
can safely ignore and don't pertain in the slightest
to anything you probably want to be doing, but there
they are, calling to you, begging you to understand
them. And, of course, since it is ALL new to me, I
don't understand the difference between something that
can be ignored and something that is useful.

Reminds me of my trips to Munich, but without the good
company and beer.

Cheers,

David

--

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Subject: Re: SVN Question

Posted by [Vince Hradil](#) on Mon, 10 Dec 2007 20:37:00 GMT

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On Dec 10, 2:30 pm, David Fanning <n...@dfanning.com> wrote:

> David Fanning writes:
>> P.S. I just opened my UNIX installation to see what the
>> Team pop-up menu says there. *Much* fewer options, but
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> Cheers,
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From the workbench users guide:

Working with patches

Patches allow developers to share work without storing it in a repository. This is helpful when a developer wants to contribute to a project that is shared through a repository but does not have write access to the repository. In this situation, the developer can create a patch and either e-mail it to a developer who does have write access or attach it to a bug in the bug reporting system used by the project, depending on the process defined by the project. A developer that does have write access can then apply the patch to the project and commit the changes.

You have to remember that the IDLDE is not the only thing going on here. The Eclipse environment was created for developers using things like Java and C/C++. So there are a lot of bells and whistles that we can ignore, no matter how tempting...

Subject: Re: SVN Question
Posted by [David Fanning](#) on Mon, 10 Dec 2007 20:41:42 GMT
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Vince Hradil writes:

> From the workbench users guide:

Where did you find the Workbench User's Guide. I've been looking for it.

Cheers,

David

--

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Subject: Re: SVN Question

Posted by [Vince Hradil](#) on Mon, 10 Dec 2007 20:50:56 GMT

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On Dec 10, 2:41 pm, David Fanning <n...@dfanning.com> wrote:

> Vince Hradil writes:

>> From the workbench users guide:

>

> Where did you find the Workbench User's Guide. I've
> been looking for it.

>

> Cheers,

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> David

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rmm... Help->Workbench User's Guide 8^}

In particular I was quoting: Help->Workbench User's Guide->Tasks-

> Working with Team...->Versioning->Working with Patches.

It's also available at help.eclipse.org

Subject: Re: SVN Question

Posted by [Paul Van Delst\[1\]](#) on Mon, 10 Dec 2007 21:23:38 GMT

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David Fanning wrote:

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> interface (and iTools, too, come to think of it), is
> all kinds of options and buttons and things that you
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> to anything you probably want to be doing, but there
> they are, calling to you, begging you to understand
> them. And, of course, since it is ALL new to me, I
> don't understand the difference between something that
> can be ignored and something that is useful.

But David, it's the IDL way.

I try to be a minimalist so I'm naturally biased against that sort of everything and the kitchen sink approach. :o)

cheers,

paulv

> Reminds me of my trips to Munich, but without the good
> company and beer.

p.s. Reminds me of trying to figure out which mutual funds (out of 1000's) to select for my 403(b).

p.p.s. We could all learn from:

<http://www.amazon.com/Paradox-Choice-Why-More-Less/dp/0060005688>
