Subject: Generating version header file with SVN on server
Posted by Mindtraveller on Mon, 12 Oct 2009 08:26:24 GMT
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Some time ago we had wiscussion how could we determine version number on server and include it into U++ code automatically.

Recently I came across some site and saw a kind of solution:

1) Use svnlook utility to get the string containing revision number:
> svnlook youngest <path_to_repository>

2) get it to generate simple header file (actual call depends on OS you use). Actually we may have something like:

revision.h

#define UPP_REVISION 1650

Subject: Re: Generating version header file with SVN on server
Posted by mirek on Mon, 12 Oct 2009 08:58:30 GMT
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Mindtraveller wrote on Mon, 12 October 2009 04:26Some time ago we had wiscussion how could we determine version number on server and include it into U++ code automatically.

Recently I came across some site and saw a kind of solution:

1) Use svnlook utility to get the string containing revision number:
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2) get it to generate simple header file (actual call depends on OS you use). Actually we may have something like:

revision.h

#define UPP_REVISION 1650

Or you can use svnversion to the same effect. But that was not the problem..

Subject: Re: Generating version header file with SVN on server
Posted by Mindtraveller on Mon, 12 Oct 2009 09:17:44 GMT
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Sorry, looks like I disremembered. What was the main problem?

Subject: Re: Generating version header file with SVN on server
Posted by mirek on Fri, 16 Oct 2009 19:35:45 GMT
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Mindtraveller wrote on Mon, 12 October 2009 05:17Sorry, looks like I disremembered. What was the main problem?

The problem is "build from sources in theide". Something has to create that header. Should it be the build process or what?

If the build process, another problem is that the thing should be universal, working for your projects too. But in that case you have more than single repo and more than single version. Etc...

Mirek

Subject: Re: Generating version header file with SVN on server
Posted by Mindtraveller on Fri, 16 Oct 2009 20:58:56 GMT
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luzr wrote on Fri, 16 October 2009 23:351. The problem is "build from sources in theide". Something has to create that header. Should it be the build process or what?

If the build process, another problem is that the thing should be universal, working for your projects too. But in that case you have more than single repo and more than single version. Etc...

Mirek
1. I suppose it could be something like cron utility calling script which calls svnversion and generates .h-file.

2. If you want portable solution, you may use optional .rc file and rc.exe with /inc switch, which will autoincrement build number (TheIDE could do it automatically).
Specifically ide package could take build number from svnversion generated .h file and put it into .rc to make solution compatible (server generates .h, client copy just uses it; or if it is not present, just use autoincrement from build 0001).

Subject: Re: Generating version header file with SVN on server
Posted by mirek on Sun, 18 Oct 2009 18:31:46 GMT
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Mindtraveller wrote on Fri, 16 October 2009 16:58luzr wrote on Fri, 16 October 2009 23:351. The problem is "build from sources in theide". Something has to create that header. Should it be the build process or what?

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Mirek
1. I suppose it could be something like cron utility calling script which calls svnversion and generates .h-file.

Cron running where?

BTW, note that nightly builds HAVE this version stuff working. version.h is created before building.

In fact, it would not be that hard to add a simple script that updates version.h in svn after each commit. Maybe I am just too selfish there, demanding "actual" version of theide, not the last svn version....

Mirek
