
Subject: MASM Implementation
Posted by [Gatling_Gun](#) on Fri, 05 Jan 2007 11:19:06 GMT
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I wish to calculate an md5 hash with a MASM module written myself.
How i can use the MASM function ("\$ GetMD5 [file(s)]") in u++?

thanks a lot

Subject: Re: MASM Implementation
Posted by [mirek](#) on Fri, 05 Jan 2007 16:04:42 GMT
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Gatling_Gun wrote on Fri, 05 January 2007 06:19: I wish to calculate an md5 hash with a MASM module written myself.
How i can use the MASM function ("\$ GetMD5 [file(s)]") in u++?

thanks a lot

Maybe you should check first whether your version is faster than one provided with U++ (in Web package)

U++ does not directly support assembler. But you could add it as library, as standalone object file or as .asm in package and use custom build step to compile.

Mirek

Subject: Re: MASM Implementation
Posted by [Gatling_Gun](#) on Fri, 05 Jan 2007 17:24:21 GMT
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Hey thx!
I would have to use my asm code for not increment my app size adding a pack... however can you explain me where is md5 function in Web pack and how to use it?
thankyou very much !

Subject: Re: MASM Implementation
Posted by [Gatling_Gun](#) on Fri, 05 Jan 2007 17:46:42 GMT
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Ok Ok maybe I solve it...
I find MD5Digest() function and works correctly but I've two question:

- char hello[6] = "hello";

String Test = MD5Digest(hello,0);

return a strange string without number or char only symbols... I understand that I've to encode it, maybe ascii but how?

- How I can retrieve MD5 hash from a file?

THX A LOT!

Subject: Re: MASM Implementation
Posted by [zsolt](#) on Sat, 06 Jan 2007 00:59:14 GMT
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You can use BinHexEncode() for encoding.

Subject: Re: MASM Implementation
Posted by [mirek](#) on Sat, 06 Jan 2007 09:20:21 GMT
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Gatling_Gun wrote on Fri, 05 January 2007 12:46

- How I can retrieve MD5 hash from a file?

AFAIK MD5Digest(LoadFile(myfilepath), 0);

Mirek

Subject: Re: MASM Implementation
Posted by [Gatling_Gun](#) on Sat, 06 Jan 2007 10:22:10 GMT
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THX GUYS IT'S WORK PERFECTLY!!!

hehe another two things...

I need to show an open file dialog or something similar to retrieve file position

How I can assign a textbox's text to a variable (string)?

Really thx to all and sorry for my U++ gaps .

cheers

Subject: Re: MASM Implementation
Posted by [zsolt](#) on Sat, 06 Jan 2007 10:45:07 GMT
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```
String s = your_control.GetValue().ToString();
```

Subject: Re: MASM Implementation
Posted by [Gatling_Gun](#) on Sat, 06 Jan 2007 10:57:57 GMT
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Is the same use in an EDITSTRING control "GetText().ToString()"?
Thx!

Subject: Re: MASM Implementation
Posted by [Gatling_Gun](#) on Sat, 06 Jan 2007 11:28:22 GMT
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what is the the second parameter in MD5Digest(char,int)?
I see that if I change it from 0 to 16 my hash code change...

Subject: Re: MASM Implementation
Posted by [Gatling_Gun](#) on Sat, 06 Jan 2007 13:20:10 GMT
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I use this function:

```
void MD5::DoBrowse()
{
    FileSel fsel;
    fsel.AllFileType();
    static String recent_dir;
    if(fsel.ExecuteSelectDir())
        File_Path <=< recent_dir = ~fsel;
}
```

where File_Path is a TextBox...

My problem is that return only the directory and not the exe why?
Can you fix it for me?

thx

Subject: Re: MASM Implementation
Posted by [mirek](#) on Sat, 06 Jan 2007 13:22:55 GMT
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Gatling_Gun wrote on Sat, 06 January 2007 08:20
if(fsel.ExecuteSelectDir())
File_Path <=& recent_dir = ~fsel;
}

where File_Path is a TextBox...

My problem is that return only the directory and not the exe why?
Can you fix it for me?

thx

ExecuteSelectDir is for selecting directory. Use ExecuteOpen to select file.

Mirek

Subject: Re: MASM Implementation
Posted by [mirek](#) on Sat, 06 Jan 2007 13:24:16 GMT
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Gatling_Gun wrote on Sat, 06 January 2007 05:57Is the same use in an EDITSTRING control
"GetText().ToString()"?
Thx!

Usually, the best method is to use operator~, which is equivalent to calling GetData.

String s = ~myeditfield.

Of course, type stored in widget has to match (int x = ~myeditstring; is runtime error).

Mirek

Subject: Re: MASM Implementation
Posted by [Gatling_Gun](#) on Sat, 06 Jan 2007 13:28:58 GMT
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Thx, I solve all... but
can you explain me what is the second parameter in MD5Digest()?

thx for your patience!

Subject: Re: MASM Implementation
Posted by [mirek](#) on Sat, 06 Jan 2007 13:35:26 GMT
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Gatling_Gun wrote on Sat, 06 January 2007 08:28Thx, I solve all... but
can you explain me what is the second parameter in MD5Digest()?

thx for your patience!

```
String MD5Digest(const char *text, int length);  
inline String MD5Digest(String s) { return MD5Digest(s.Begin(), s.GetLength()); }
```

If still unclear:

There are two versions - first one is for raw binary data, second one is for String. If used with binary data, you have to supply how much data is there. String has this information inside.

OK, now the somewhat confusing part is that String can be constructed from (zero terminated) const char * and converts to (zero terminated) const char *....

Anyway, the simple thing to do is to avoid second parameter.

Mirek

Subject: Re: MASM Implementation
Posted by [Gatling_Gun](#) on Sat, 06 Jan 2007 17:15:32 GMT
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Tanks I solve it simple avoiding that parameter...

Thanks to all guys!
