Subject: Web or HttpClient example?
Posted by DrGary on Mon, 19 Feb 2007 03:17:49 GMT
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I see references to a Web package and HttpClient, but haven't found any documentation. Would someone post an example showing how to retrieve a web page? For example, I want to count how many times a word occurs on a given homepage...

Thanks,
Gary

Subject: Re: Web or HttpClient example?
Posted by rylek on Tue, 20 Feb 2007 20:14:27 GMT
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Hello there!

I've made a very simple example (means I've put it in the 'examples' nest) with a suprising name "httpcli" which demonstrates basic use of the HttpClient. It's a console application which processes each of its commandline arguments as an URL, downloads the given page and displays its contents on the standard output. If you don't want to wait until next distribution and are reluctant to download it from our live UVS repository, here you are, just copy the folowing source into a file and add the Web package.

Regards

Tomas

```
#include <Web/Web.h>

using namespace Upp;

static String DumpSpecial(String s)
{
 String out;
 for(const char *p = s.Begin(), *e = s.End(); p < e; p++)
  if((byte)*p >= ' ' && *p != '\xFF')
   out.Cat(*p);
  else {
   switch(*p) {
    case '\a': out.Cat("[\\a]"); break;
    case '\b': out.Cat("[\\b]"); break;
    case '\f': out.Cat("[\\f]"); break;
    case '\v': out.Cat("[\\v]"); break;
    case '\t': out.Cat("[\\t]"); break;
    case '\r': out.Cat("[\\r]"); break;
```

```
    case '\n': out.Cat("[\\n]\n"); break;
    default:   out.Cat(NFormat("[\\x%02x", (byte)*p)); break;
   }
  }
 return out;
}

CONSOLE_APP_MAIN
{
 const Vector<String>& cmdline = CommandLine();
 for(int i = 0; i < cmdline.GetCount(); i++) {
  String proxy;
  if(*cmdline[i] == ':' && i + 1 < cmdline.GetCount())
   proxy = cmdline[i++].Mid(1);
  String url = cmdline[i];
  puts(url);
  fflush(stdout);
  HttpClient client;
  client.URL(url);
  client.Proxy(proxy);
  String content = client.ExecuteRedirect();
  puts("[error] " + Nvl(client.GetError(), "OK (no error)"));
  puts(NFormat("[status %d] %s\n", client.GetStatusCode(), client.GetStatusLine()));
  puts(NFormat("[headers] (%d bytes)\n%s", client.GetHeaders().GetLength(),
DumpSpecial(client.GetHeaders())));
  puts(NFormat("[content] (%d bytes)\n%s", content.GetLength(), DumpSpecial(content)));
  fflush(stdout);
 }
}
```

Subject: Re: Web or HttpClient example?
Posted by DrGary on Wed, 21 Feb 2007 07:48:27 GMT
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Fantastic. Worked great.

Note for other novices: As Tomas said, don't forget to add the Web package with "Project | Add Package to 'yourprojectname'"

Thanks!

Subject: Re: Web or HttpClient example?
Posted by mikcsabee on Fri, 23 Feb 2007 11:32:50 GMT

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Hello!
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Subject: Re: Web or HttpClient example?
Posted by mikcsabee on Fri, 23 Feb 2007 11:38:04 GMT
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Subject: Re: Web or HttpClient example?
Posted by jibe on Thu, 24 Mar 2011 11:31:07 GMT
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Hi,

I'm not experienced on working with http... I used this exemple to get some XML results from ISBNdb and Worldcat APIs, and it's working well.

Now, I should like to get the html source code of some web page. But with httpcli, I get only this :
$./httpcli www.google.com
www.google.com
[error] OK (no error)
[status 200] HTTP/1.0 200 OK

[headers] (626 bytes)
Date: Thu, 24 Mar 2011 11:09:07 GMT[\r][\n]
Expires: -1[\r][\n]
Cache-Control: private, max-age=0[\r][\n]
Content-Type: text/html; charset=ISO-8859-1[\r][\n]
Set-Cookie:
PREF=ID=acbb220690b61042:FF=0:TM=1300964947:LM=1300964947:S=dwbPpco5W2KSRXwI
; expires=Sat, 23-Mar-2013 11:09:07 GMT; path=/; domain=.google.fr[\r][\n]
Set-Cookie:
NID=45=xqvQ_JKFFBdZiWZTNBxxojL61-CE3dq-nwCvypqvVhNya4zlJE77YGz-ICGidH1g6BuXnt
MbD36obwUEnH4FwSNirQ98nQnr2TtrMdwmorr7dPmBXyCNzKYw9Y9kSfwP; expires=Fri,
23-Sep-2011 11:09:07 GMT; path=/; domain=.google.fr; HttpOnly[\r][\n]
Server: gws[\r][\n]
X-XSS-Protection: 1; mode=block[\r][\n]
X-Cache: MISS from orange.beeservices.dyndns.org[\r][\n]
Connection: close[\r][\n]
$
How can I get the source code of the page ?

Subject: Re: Web or HttpClient example?
Posted by jibe on Thu, 24 Mar 2011 13:38:28 GMT
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Never mind ! I didn't payed enough attention to the code concerning the output !

Adding just
puts(~content);
does the job...

Anyway, I still have some problems using httpclient. Some more doc or examples about the various methods should be very helpfull...