Subject: HttpClient example with Post data
Posted by mikcsabee on Sun, 04 Mar 2007 19:53:38 GMT
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Hello everybody!

I see the Web package in the reference, and I don't know how can I Post some data with the web client to the server. Would someone post an example?

Thanks!

Subject: Re: HttpClient example with Post data
Posted by fallingdutch on Mon, 05 Mar 2007 06:13:28 GMT
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use AddHeader(String h)

i think it is not the way ment to be, but it works fine for me

Bas

Subject: Re: HttpClient example with Post data
Posted by mikcsabee on Mon, 05 Mar 2007 09:32:30 GMT
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Hello!

This is not works
I want to read some data in the server side, for example:

<?php

print_r($_POST);

?>

Subject: Re: HttpClient example with Post data
Posted by victorb on Mon, 05 Mar 2007 12:28:26 GMT
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Have you tried something like:

HttpClient client;

```
client.Post();
client.Url("http://myserver/index.php?var=value");
client.Execute();
```

Subject: Re: HttpClient example with Post data
Posted by mikcsabee on Mon, 05 Mar 2007 14:44:42 GMT
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Yes but I think this is the Request Data, and I need Post Data.

Subject: Re: HttpClient example with Post data
Posted by fallingdutch on Tue, 06 Mar 2007 08:41:14 GMT
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just had a look at the POST definition of HTTP:

it should work with the AddHeader method:

```
client.Post();
client.Url("http://www.fallingdutch.de");
client.AddHeader("\n\nvar1=hello&var2=fallingdutch");
client.Execute();
```

var1 and var2 are the names of values to set,
hello and fallingdutch are their values.
The newlines at the beginning should be added to ensure the header of the http-request is closed and the data-part start.

Bas

Subject: Re: HttpClient example with Post data
Posted by mikcsabee on Tue, 06 Mar 2007 09:53:44 GMT
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Hello!

Thanks for your answer, but it not works.

Here is my C++ code:

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

CONSOLE_APP_MAIN
{
  String url = "127.0.0.1/post/index.php";
  puts(url);
  fflush(stdout);
  HttpClient client;

  client.Post();
  client.URL(url);
  client.AddHeaders("\n\nvar1=hello&var2=something");


  String content = client.Execute();
  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);
}
```

And here is the PHP code in server side:

```
<?php

echo "\nPOST:\n";
print_r($_POST);

echo"\n\nREQUEST:\n";
print_r($_REQUEST);

print_r(getallheaders());

?>
```

And here is the output:
Quote:

```
127.0.0.1/post/index.php
[error] OK (no error)
[status 200] HTTP/1.1 200 OK

[headers] (184 bytes)
Date: Tue, 06 Mar 2007 09:35:22 GMT[\r]
Server: Apache/2.0.55 (Ubuntu) PHP/5.1.6[\r]
X-Powered-By: PHP/5.1.6[\r]
Content-Length: 231[\r]
Connection: close[\r]
Content-Type: text/html; charset=UTF-8[\r]

[content] (231 bytes)

POST:
Array
(
)


REQUEST:
Array
(
)
Array
(
    [URL] => http://127.0.0.1/post/index.php
    [Host] => 127.0.0.1
    [Connection] => close
    [Accept] => */*
    [Accept-Encoding] => gzip
    [Agent] => Ultimate++ HTTP client
```

)

And what I need? Some data in the Post array.

Subject: Re: HttpClient example with Post data
Posted by fallingdutch on Tue, 06 Mar 2007 10:07:23 GMT
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use PostData(String pd) instead of AddHeader(); and remove the "\n\n" ... the problem might be the content-length value of the header.

Bas

Subject: Re: HttpClient example with Post data
Posted by mikcsabee on Tue, 06 Mar 2007 10:33:26 GMT
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PostData ? I never heard this function. And not works.

Subject: Re: HttpClient example with Post data
Posted by fallingdutch on Tue, 06 Mar 2007 18:12:34 GMT
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just had a look at an old code of mine:
i used httpclient this way:

```
String request, data, reply;


http.ClearHeaders();
request << "Content-Length: "<< (int) data.GetLength()<<"\r\n";
request << "Content-Type: txt/xml\r\n\r\n";
http.Post();
http.std_headers = true;
http.AddHeaders(request);

data << "var1=hello&var2=fallingdutch";

http.AddHeaders(data);
reply = http.Execute();
```

Hope that helps,
Bas

Subject: Re: HttpClient example with Post data
Posted by mikcsabee on Tue, 06 Mar 2007 18:31:00 GMT
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Thanks for your help, but it still not working
Here is my program code:

```
 String url = "127.0.0.1/post/index.php";
 String request, data, reply;

 data << "var1=hello&var2=fallingdutch";

 request << "Content-Length: "<< (int) data.GetLength()<<"\r\n";
 request << "Content-Type: txt/xml\r\n\r\n";

 puts(url);
 fflush(stdout);
 HttpClient client;

 client.ClearHeaders();
 client.Post();
 client.std_headers = true;
 client.Headers(request);
 client.AddHeaders(data);
 client.URL(url);

 String content = client.Execute();
 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);
```

The PHP script is same.
And here is the output:
Quote:
127.0.0.1/post/index.php
[error] OK (no error)
[status 200] HTTP/1.1 200 OK

[headers] (184 bytes)
Date: Tue, 06 Mar 2007 18:24:12 GMT[\r]

Server: Apache/2.0.55 (Ubuntu) PHP/5.1.6[\r]
X-Powered-By: PHP/5.1.6[\r]
Content-Length: 288[\r]
Connection: close[\r]
Content-Type: text/html; charset=UTF-8[\r]

[content] (288 bytes)

POST:
Array
(
)

REQUEST:
Array
(
)
Array
(
    [URL] => http://127.0.0.1/post/index.php
    [Host] => 127.0.0.1
    [Connection] => close
    [Accept] => */*
    [Accept-Encoding] => gzip
    [Agent] => Ultimate++ HTTP client
    [Content-Length] => 28
    [Content-Type] => txt/xml
)

I use Ubuntu Linux 6.10 whit fresh updates, and Ultimate++ 2007.1beta3
I dont know what is the problem.

Subject: Re: HttpClient example with Post data
Posted by fallingdutch on Tue, 06 Mar 2007 19:10:54 GMT
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hope this will do the trick:
change the request Content-type:
Content-Type: application/x-www-form-urlencoded

Good luck,
Bas

Subject: Re: HttpClient example with Post data

Posted by mikcsabee on Tue, 06 Mar 2007 19:20:28 GMT
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This is works!
Thanks!
But what can I do, if one of may var value is for example this: "tom & jerry".

Subject: Re: HttpClient example with Post data
Posted by fallingdutch on Tue, 06 Mar 2007 20:09:21 GMT
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You are Welcome.

i guess you will have to escape the value somehow.

but no idea how to - just search the internet, i guess you are not the first with that kind of problem

Bas

Subject: Re: HttpClient example with Post data
Posted by mezise on Tue, 06 Mar 2007 20:40:44 GMT
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mikcsabee wrote on Tue, 06 March 2007 20:20This is works!
Thanks!
But what can I do, if one of may var value is for example this: "tom & jerry".
Urlencoded value for "&" is "%26", so just replace it and PHP will see this correctly.

Michal

Subject: Re: HttpClient example with Post data
Posted by mikcsabee on Tue, 06 Mar 2007 20:47:52 GMT
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Thats great!
It's work!
Thank you all of your helpful answers!

Subject: Re: HttpClient example with Post data
Posted by zsolt on Tue, 06 Mar 2007 22:39:21 GMT
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you can use UrlEncode() function.