Subject: CGI-BIN bug with Apache Server

Posted by ratah on Tue, 24 Aug 2010 07:14:11 GMT

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Hello everybody,

I experiment with CGI-BIN application into Apache Web Server and have a problem.

Here is my code

```cpp
#include <Core/Core.h>

using namespace Upp;

CONSOLE_APP_MAIN
{
  String ss = "";


  ss += "Content-type: text/html";
  ss += "<html><head><title>Hello!</title></head><body>";
  ss += "Hi man! See my C++ CGI app?!";
  ss += "<h1>Good!</h1>";
  ss += "</body>";


  Cout() << ss;
}
```

The bug message is:

Quote:500 Internal Server Error

The server encountered an internal error or misconfiguration and was unable to complete your request.

Please contact the server administrator, contact@domaine.com and inform them of the time the error occurred, and anything you might have done that may have caused the error.

More information about this error may be available in the server error log.

The 500 Internal Server Error is a very general HTTP status code that means something has gone wrong on the web site's server but the server could not be more specific on what the exact problem is.

I do the same code in Standard C :

```
#include <iostream>

using namespace std;

int main(int argc, char* argv[])
{
  cout << "Content-type: text/html" << endl << endl << endl;

  cout << "<html><head><title>Hello!</title></head><body>" << endl
      << "Hi man! See my C++ CGI app?!" << endl
      << "<h1>Good!</h1>" << endl
      << "</body>";


  return 0;
}
```

It works!

What's wrong in u++ code???
Do the function Cout() is not correct?

I thank you for your response

ratah

It works!

I forgot to close html tag at the end!!

here is the correct code

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

using namespace Upp;

CONSOLE_APP_MAIN
{
  String ss = "";
```

```
  ss += "Content-type: text/html";
  ss += "<html><head><title>Hello!</title></head><body>";
  ss += "Hi man! See my C++ CGI app?!";
  ss += "<h1>Good!</h1>";
  ss += "</body></html>";


  Cout() << ss;
}
```

Subject: Re: CGI-BIN bug with Apache Server
Posted by zsolt on Tue, 24 Aug 2010 13:12:02 GMT
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I did not test it, but "\r\n"s are missing:
ss += "Content-type: text/html\r\n\r\n";

Subject: Re: CGI-BIN bug with Apache Server
Posted by ratah on Tue, 24 Aug 2010 13:56:31 GMT
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zsolt> thanks for your precision,

Another questions about the CGI

- how do i do if i want to send an email smtp via my cgi?
- can i treat parameters like GET and POST as script languages (PHP, PERL,...) do

Thank you

Subject: Re: CGI-BIN bug with Apache Server
Posted by Mindtraveller on Wed, 25 Aug 2010 03:55:45 GMT
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ratah wrote on Tue, 24 August 2010 17:56zsolt> thanks for your precision,

Another questions about the CGI

- how do i do if i want to send an email smtp via my cgi?
- can i treat parameters like GET and POST as script languages (PHP, PERL,...) do

Thank you

I had quite a good experience with U++ core binary as CGI for Apache. It works flawlessly for about 1,5 years at the moment.

Answers to your questions are:
1) There is SMTP-connected class described in Web/smtp.h
2) No, you can't. You should google what these parameters really are (usually - but not always,- it is a part of HTTP header). All you have in CGI are HTTP header + data and environment variables.

Subject: Re: CGI-BIN bug with Apache Server
Posted by Novo on Wed, 25 Aug 2010 04:29:15 GMT
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You could try to use the Web package instead of simple string concatenation. Classes like HtmlTag and Htmls are especially handy.

Subject: Re: CGI-BIN bug with Apache Server
Posted by ratah on Wed, 25 Aug 2010 09:28:36 GMT
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Many thanks,
I will give here an example when i finish to experiment.

Subject: Re: CGI-BIN bug with Apache Server
Posted by zsolt on Wed, 25 Aug 2010 14:35:05 GMT
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Quote:can i treat parameters like GET and POST as script languages (PHP, PERL,...) do

Check HttpQuery class.

You can see jeremy_c's ScgiServer class as an example.

Btw it is much better to use SCGI:
1. It is at least 100 times faster
2. You can easily debug your web app in the TheIde debugger

Subject: Re: CGI-BIN bug with Apache Server
Posted by ratah on Thu, 26 Aug 2010 14:52:18 GMT
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That's great!, but this needs lighttpd daemon which run under linux i suppose.
I work under windows, using apache.
I 'll try to find a windows version

Thanks