Subject: HttpRequest and SOAP protocole
Posted by Xemuth on Tue, 18 Sep 2018 10:28:54 GMT
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Hello Everyone !

Nowaday I tried to send a "Soap Request" via the Object HttpRequest
and looking for the result coming from execute Methode.

I have tried this kind of code :

```
#include <Core/Core.h>
using namespace Upp;
CONSOLE_APP_MAIN
{
 String reponse="";
 auto test = new
HttpRequest("http://www.holidaywebservice.com//HolidayService_v2/HolidayService2.asmx?wsdl
");
 test->Timeout(5000);
 test->ContentType("text/xml");
 test->Post("<soapenv:Envelope xmlns:soapenv='http://schemas.xmlsoap.org/soap/envelope/'
xmlns:hs='http://www.holidaywebservice.com/HolidayService_v2/'><soapenv:Body><hs:GetHolid
aysForMonth><hs:year>2018</hs:year><hs:countryCode>UnitedStates</hs:countryCode><hs:m
onth>11</hs:month></hs:GetHolidaysForMonth></soapenv:Body></soapenv:Envelope>");
 reponse = test->Execute();
 LOG(reponse);
}
```

But it crash with the message : "heap leaks detected" and the exitcode 0.
The heap leaks detected seems related to the LOG/"reponse"
so I tried without them and the result is now a crash with the exitcode : 3224225477

Can someone explain me why this occur ?

Sorry for my bad english, Thanks in advance.

Subject: Re: HttpRequest and SOAP protocole
Posted by Oblivion on Tue, 18 Sep 2018 11:26:12 GMT
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Hello Xemuth,

Because you've created an HttpRequest on the heap and you forgot to delete it at the end.
This is the VERY reason you should avoid using new/delete.

Try to allocate resources on the stack, or use containers (e.g. One<> for single instance, Array<> for mulitple instances.)

```
 HttpRequest
test("http://www.holidaywebservice.com//HolidayService_v2/HolidayService2.asmx?wsdl");
 test.Timeout(5000);
 test.ContentType("text/xml");
 test.Post("<soapenv:Envelope xmlns:soapenv='http://schemas.xmlsoap.org/soap/envelope/'
xmlns:hs='http://www.holidaywebservice.com/HolidayService_v2/'><soapenv:Body><hs:GetHolid
aysForMonth><hs:year>2018</hs:year><hs:countryCode>UnitedStates</hs:countryCode><hs:m
onth>11</hs:month></hs:GetHolidaysForMonth></soapenv:Body></soapenv:Envelope>");
 reponse = test.Execute();
 LOG(reponse);
```

Best regards,
Oblivion

Subject: Re: HttpRequest and SOAP protocole
Posted by Xemuth on Tue, 18 Sep 2018 11:47:32 GMT
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Hello Oblivion,

Indeed it fixed the crash ! thanks for your quick reply !

I did not know it was a difference between HttpRequest test(); and HttpRequest test = new HttpRequest();

Thanks a lot !
