
Subject: httprequest fails getting entire url content
Posted by [aquilarubra](#) on Wed, 01 Dec 2021 13:57:18 GMT
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Hi,
I am experiencing a strange behavior with HttpRequest. It has to get a json page through authorization. It works through a browser, but with HttpRequest it only gets an initial part, then truncates the output with "ERROR: Unexpected end of text."

Any idea what could go wrong?
From the inspector in Firefox I see that only one URL is called. So, no redirections, etc.

Subject: Re: httprequest fails getting entire url content
Posted by [Xemuth](#) on Wed, 01 Dec 2021 14:41:49 GMT
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Hello Aquilarubra,

What you mean by authorization ? is it a redirection to another website to retrieve a special cookie or something before being sent back to the page ?
I'm curious, I experienced same thing and didn't dig much more to fix the problem.

Subject: Re: httprequest fails getting entire url content
Posted by [aquilarubra](#) on Wed, 01 Dec 2021 19:24:00 GMT
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I use the authorization() method of HttpRequest. It basically passes an auth user and password encoded in base64. It modifies the header. I said that to give the complete picture, but I don't think it's related to the issue.
It is like some character is interfering, or HttpRequest does not wait long enough until the whole content is downloaded. Maybe the called url passes a wrong content size.

The page gives in json or xml format a number of informations. After some general introductory tags, it starts a new tag and should loop to give out records. HttpRequest always stops with that tag name.

Subject: Re: httprequest fails getting entire url content
Posted by [aquilarubra](#) on Thu, 02 Dec 2021 08:37:19 GMT
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I'm trying to debug.

I see that the source is something like this:

```
<?xml version="1.0" encoding="UTF-8"
standalone="yes"?><result><metadata><count>1</count><limit>20</limit><offset>0</offset></m
etadata><smsList><sms>...
```

But I get this in HttpResponse:

```
{"metadata":{"count":1,"offset":0,"limit":20},"smsList":ERROR: Unexpected end of text.
```

So, the xml parser is engaged by HttpResponse. I see that the error "Unexpected end of text" is in uppsrc/ide/Designers/Xml.cpp, uppsrc/ide/Xml.cpp, and uppsrc/RichText/ParseQtf.cpp

I tried with request.ContentType("text/plain"), but it is still parsed. Is there any way to bypass that behavior?

Subject: Re: httprequest fails getting entire url content
Posted by [aquilarubra](#) on Thu, 02 Dec 2021 08:58:26 GMT
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I got the xml not parsed with this, copied from Firefox' Inspector:

```
request.Accept("text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8");
```

However, I think that HttpRequest must be reviewed.

Subject: Re: httprequest fails getting entire url content
Posted by [mirek](#) on Sun, 19 Dec 2021 14:06:26 GMT
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aquilarubra wrote on Thu, 02 December 2021 09:58 I got the xml not parsed with this, copied from Firefox' Inspector:

```
request.Accept("text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8");
```

However, I think that HttpRequest must be reviewed.

Is it possible to have url that is causing this problem?

If not, have you checked with browser that the server is serving the complete content? (Probably yes, but it is always good to check).

Mirek

Subject: Re: httprequest fails getting entire url content
Posted by [mirek](#) on Sun, 19 Dec 2021 14:10:30 GMT
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aquilarubra wrote on Thu, 02 December 2021 09:37I'm trying to debug.

I see that the source is something like this:

```
<?xml version="1.0" encoding="UTF-8"
standalone="yes"?><result><metadata><count>1</count><limit>20</limit><offset>0</offset></m
etadata><smsList><sms>...
```

But I get this in HttpResponse:

```
{"metadata":{"count":1,"offset":0,"limit":20},"smsList":ERROR: Unexpected end of text.
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So, the xml parser is engaged by HttpResponse. I see that the error "Unexpected end of text" is in `uppsrc/ide/Designers/Xml.cpp`, `uppsrc/ide/Xml.cpp`, and `uppsrc/RichText/ParseQtf.cpp`

I tried with `request.ContentType("text/plain")`, but it is still parsed. Is there any way to bypass that behavior?

Ah, this looks like server returns either JSON or XML, based on Accept, defaulting to JSON unless you specify you want XML.

I think `.Accept("application/xml")` should fix the problem (no need for the long text).

Alternatively, you can simply use JSON (but probably specify `.Accept("application/json")` just to be futureproof) and `ParseJSON` instead. JSON is better format anyway...
