

Wt - Bug #7788

Signal with big string does not trigger the fallback function

10/19/2020 11:18 AM - Samuel Quevauvillers

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|---|--------|------------------------|------------|
| Status: | New | Start date: | 10/19/2020 |
| Priority: | Normal | Due date: | |
| Assignee: | | % Done: | 0% |
| Category: | | Estimated time: | 0.00 hour |
| Target version: | | | |
| Description | | | |
| Context : | | | |
| I want to get back from the client a dynamic picture (openlayer map) as text ("...") | | | |
| How I did: | | | |
| I use a signal and a slot to retrieve the data from the image as text with some JS with the slot.setJavaScript(...) Then the dispatch function(std::string) does his work with the received string. | | | |
| Problem : | | | |
| It works with a small string (or integer and other types). It does not work with a big string. The signal is emitted (a POST request with the whole data is sent from the client to the server), but the dispatch function is not reached. | | | |
| Is there a std::string limitation within Wt ? | | | |
| compiled with Wt 4.4.0 | | | |

History

#1 - 10/23/2020 02:52 PM - Samuel Quevauvillers

After some tries, it blocks the request if the text length is between 120 000 and 122 500 chars.

(precision, it's it JSsignal and JSslot)

#2 - 10/23/2020 04:13 PM - Roel Standaert

Between? So you mean that when it's over 112500 chars it does work?

There is a request size limitation (<max-request-size> in wt_config.xml), and a form data size limitation (<max-formdata-size>).

I think that a WResource may be more appropriate though?

#3 - 10/23/2020 05:06 PM - Samuel Quevauvillers

Sorry I mean it will work if under 120 000 and won't if greater than 122500, I don't know the exact limit, I was trying to find it out to be able to get a tip;

As this is a POST request I will try the <max-formdata-size> on monday, thanks for the tip.

How should a WResource could work ? does it will work from client to server ?

#4 - 10/23/2020 05:24 PM - Roel Standaert

You will also need to make sure <max-request-size> is large enough. Both max-request-size and max-formdata-size apply here.

With WResource there's a bit more work involved. You'd have to create a WResource, implement its handleRequest function, and then on the client side actually execute the necessary JavaScript to send a POST request to that resource.

#5 - 10/26/2020 11:05 AM - Samuel Quevauvillers

Well the <max-request-size> and <max-formdata-size> did not resolve my problem...

I will try the WResource way. Do you have example on how generate the POST request ? Should I make my own ajax post request ? The doc about WResource is quite small...

Thank you

#6 - 10/30/2020 09:52 AM - Samuel Quevauvillers

WResource was too much time consuming to implement..
I did not find a good example to handle requests + WResource.

So I used a workaround, as I can get a fixed number of string size working, I split the whole data by sending in several chunk. And worked...