Wt - Improvements #10924

Remove split-script configuration property

09/08/2022 04:58 PM - Roel Standaert

Status:	Review	Start date:	09/08/2022
Priority:	Normal	Due date:	
Assignee:	Korneel Dumon	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	4.9.0		

Description

The split-script feature isn't documented anywhere, and it doesn't seem to be entirely correct anyway?

This feature is only active when both progressive-bootstrap and split-script are enabled.

What this feature appears to do

When a normal (not WidgetSet, nor plain HTML) session bootstraps, it follows this pattern:

1. A page (based on Boot.html or Hybrid.html) containing the JavaScript from Boot.js is loaded (WebResponse::ResponseType::Page)
2. The JavaScript is loaded. This includes the JavaScript from jquery.js, and Wt.js, and all of the initial (visible) contents or the JavaScript to "upgrade" the progressive bootstrap page (WebResponse::ResponseType::Script)
3. A JavaScript update request is sent with the load signal (WebResponse::ResponseType::Update)

When split-script is enabled, the second step is split up into:

1. Loading jquery.js and Wt.js (the skeletons)
2. Upgrading the progressive bootstrap page (the rest)

This seems to be some attempt at caching part of the loaded script since for the first part (the skeletons) the Cache-Control header is added:

```
Cache-Control: max-age=2592000,private
```

Problems with this feature

When the feature is enabled it doesn't appear to break anything, but the cache is always defeated by the fact that the request contains the session id and script id as parameters, which are randomly generated for every session.

Proposal

Since I fail to see the benefit, and the feature was never actually advertised anyway (it was never mentioned in release notes or any documentation), I propose we purge it from Wt's source code altogether, which nicely simplifies WebRenderer.C and Boot.js.

History

#1 - 09/08/2022 05:42 PM - Roel Standaert

- Status changed from InProgress to Review

- Assignee deleted (Roel Standaert)

#2 - 09/08/2022 05:43 PM - Roel Standaert

- Description updated

#3 - 09/28/2022 04:29 PM - Roel Standaert

- Assignee set to Korneel Dumon

#4 - 10/06/2022 09:47 AM - Roel Standaert

- Target version changed from 4.9.0 to 4.10.0

#5 - 10/06/2022 10:15 AM - Roel Standaert

- Target version changed from 4.10.0 to 4.9.0