



THE TECHNOLOGY  
PERFORMANCE COMPANY

# Deep Dive Browser Diagnostics

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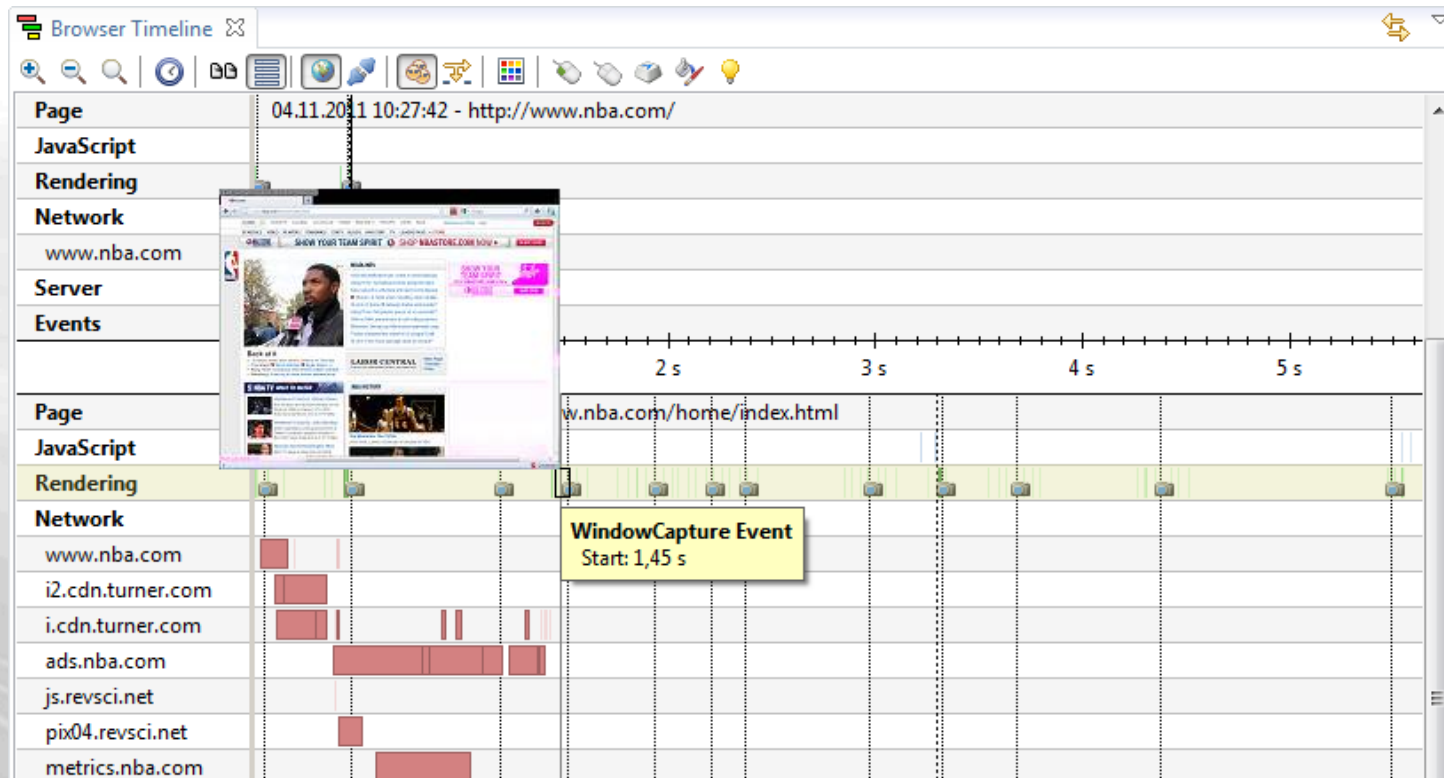
# What have we been doing?

- Keeping up with Firefox Versions
- Easier Access to Free Version -> check your bags
- Active Discussion Forum: <http://forums.dynatrace.com>
- Performance Analysis Blogs: <http://blogs.dynatrace.com>




# What we are working on right now?

- Full Support for Internet Explorer 9
- Screenshots for easier loading analysis
- Improved Smart-Analysis



# Why you are here today?

- Avoid the common problems we have seen on your websites
  - Expensive DOM Lookups, e.g.: \$(".myclass")
  - Expensive 3<sup>rd</sup> Party Libraries, e.g.: jQuery Ellipsis, Slideshows, ...
  - Expensive 3<sup>rd</sup> Party Content, e.g: Ads, Social, Tracking, ...

 There are 72 JS handlers and jQuery-like calls taking longer than 20ms coming from 17 . . .

Reducing execution time and invocation count of these handlers [Selectors](#) can improve end-user . . .  
Click through the identified handlers `._methods` and identify who called them (Back Traces) and w . . .

Contributor	Invocations	Total Sum [ms]
⚠️ \$(".#full-option-link.selected a")	1	319.76
⚠️ \$(".tto-sponsored-element,.carousel,.bric...	1	313.55
⚠️ \$(".most-read-list")	4	310.35
⚠️ \$(".dashboard-deletelink")	4	294.94
⚠️ \$(".#dashboard-hidden a")	1	281.34
⚠️ \$(".tto-ticker-controls a")	1	232.81
⚠️ \$(".t-auto .lockup .element, .t-opinion .lo...	1	212.82
⚠️ \$(".print a")	1	203.01
⚠️ \$(".t-journalist.filter-pagination a")	1	159.02
⚠️ \$(".t-article")	2	151.76
⚠️ \$(".contextualAd")	2	147.55
⚠️ \$(".bubble-close")	2	139.69
⚠️ \$(".tabs:not(.most-read-list)")	1	125.96
⚠️ \$(".a.pluck-comment-count:visible")	1	119.01
⚠️ \$(".t-opinion .tto-slideshow-cartoon")	2	108.48
⚠️ \$(".t-article .tab")	1	107.56

Activities [aggregated]	Invocatio...	JS [ms]
JavaScript Parsing	1	5134.89
JavaScript Execution	1	5127.15
<script>	1	5127.06
jQuery.fn.slideshow(*)	3	2619.05
each(*, undefined)	3	2618.82
each(*, *, undefined)	3	2618.75
<anonymous>(0)	2	2618.69
e	1	2229.25
each(*, undefined)	1	1337.93
each(*, *, undefined)	1	1337.92
<anonymous>	119	1336.49
T.fn[a](undefined): 40	110	912.32
css(<div>, "height", undefine	110	895.63
<div>.offsetWidth: 620	110	803.43
e	110	84.79
document	110	1.21
css("opacity", 0)	119	184.74
attr("opacity", 0, "curCSS")	119	182.81
show(undefined, undefined)	119	118.01
\$(<div>)	357	52.72
T.fn[b](undefined)	119	29.49
T.fn[a](undefined): 25	9	28.80

# LIVE DEMO

# THANK YOU

- Download Slides and additional Information on <http://blog.dynatrace.com/2011/11/04/dynatrace-velocity-berlin/>



- Download dynaTrace AJAX Edition on <http://ajax.dynatrace.com>



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