



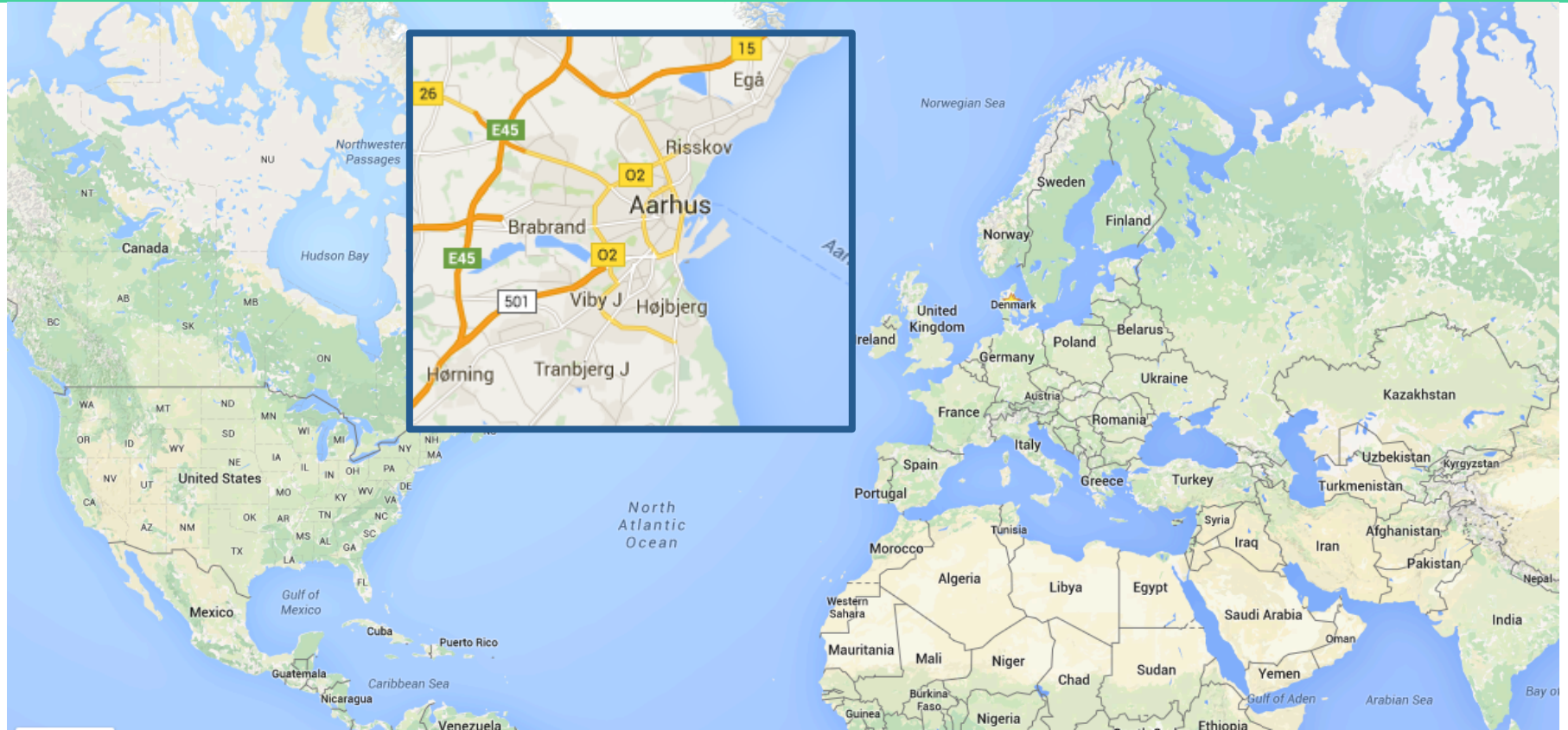
ANDERS THORHAUGE SANDHOLM

Product Manager, Google

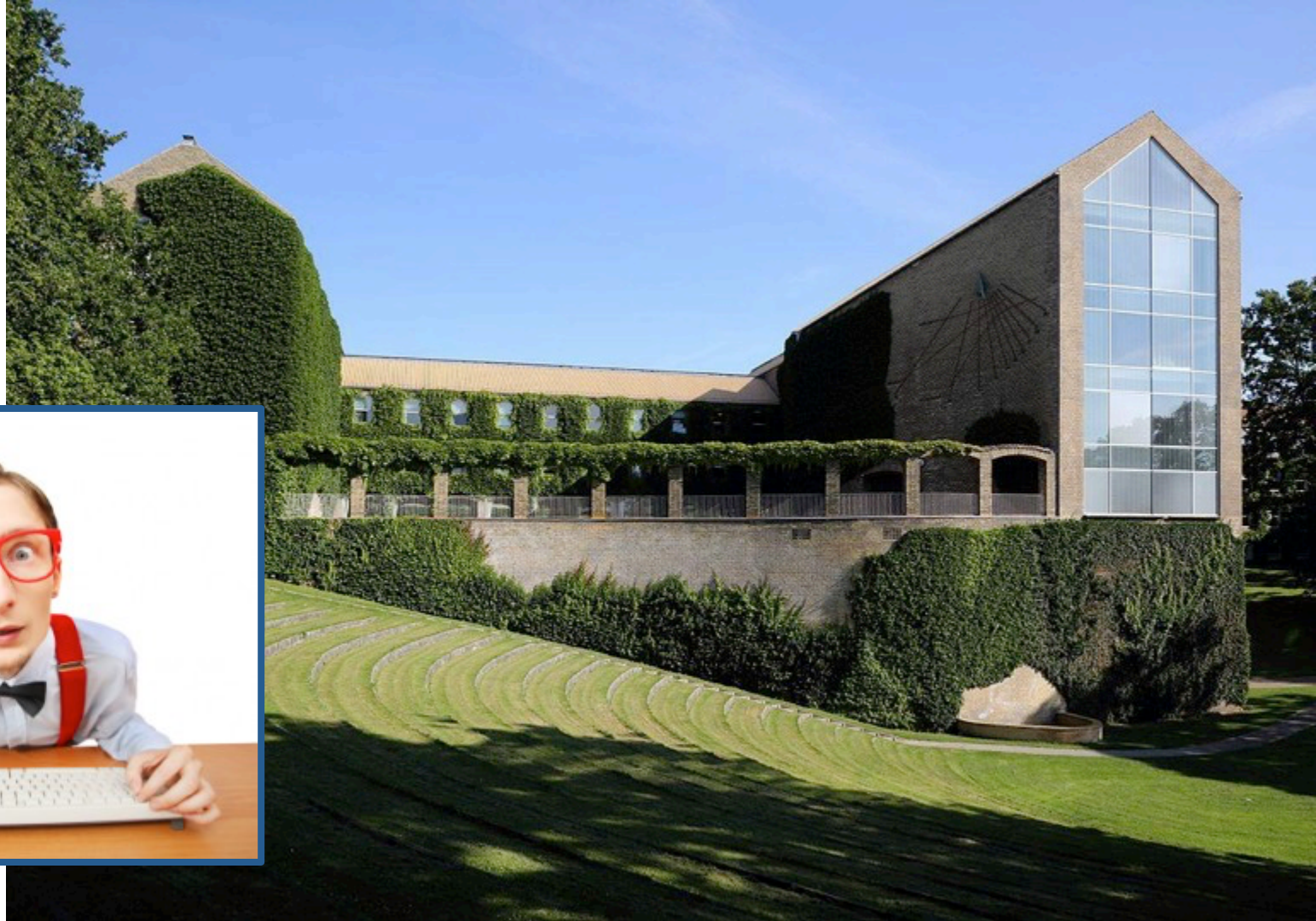
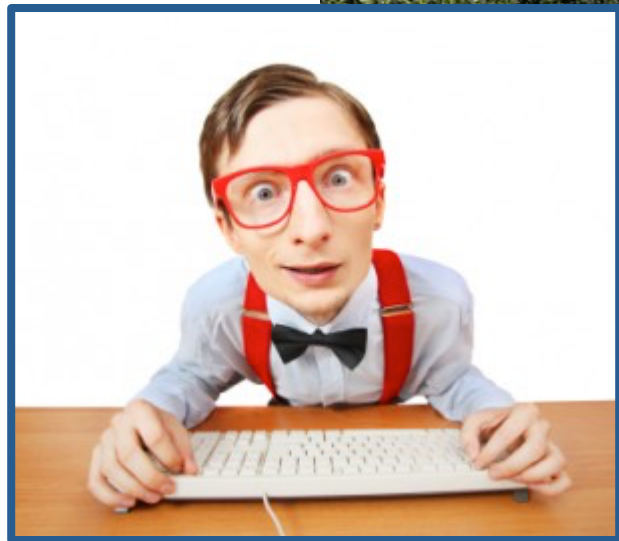


Kan man erobre verden fra Aarhus?

- en beretning fra det virkelige liv om milliarder



2007

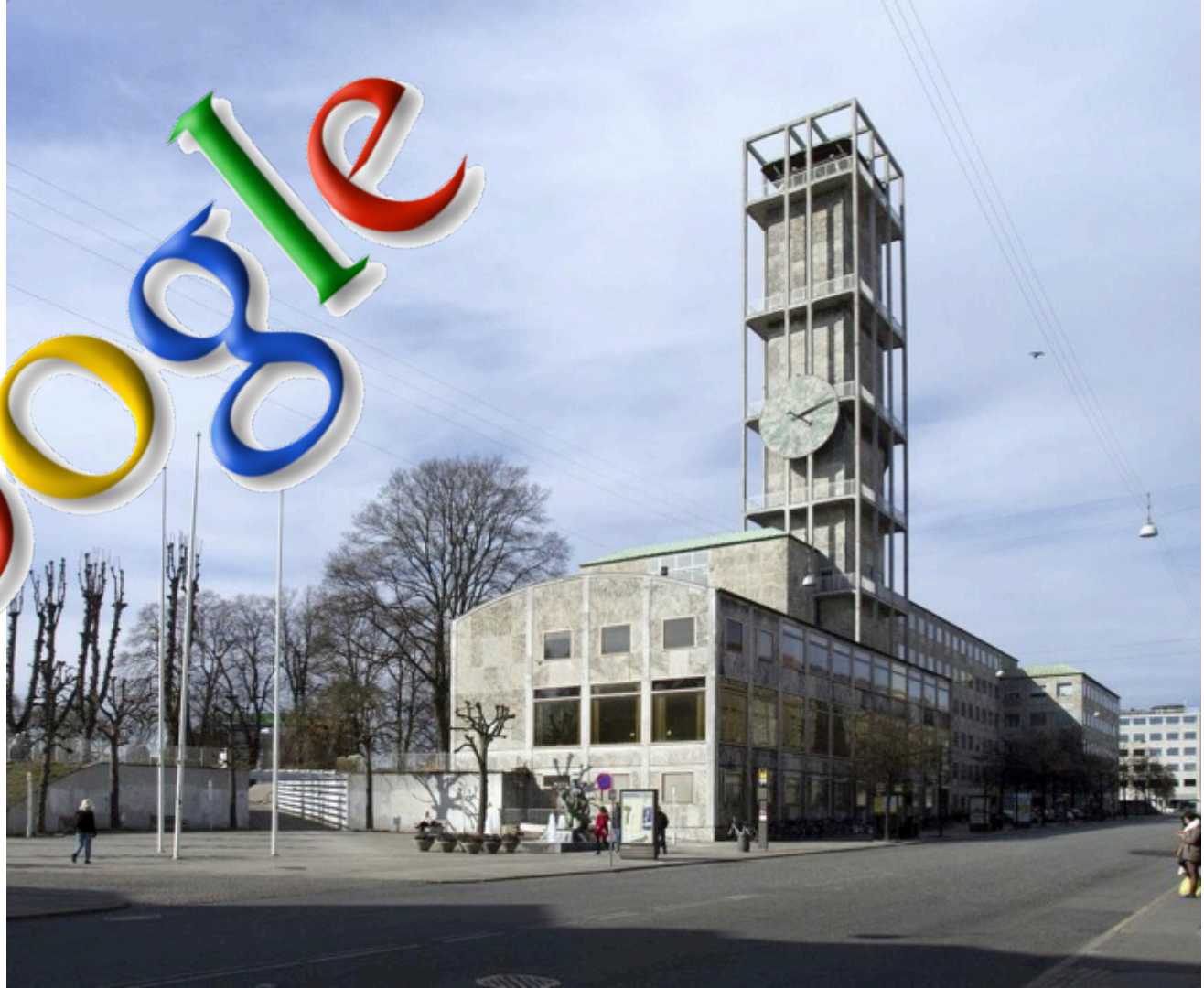








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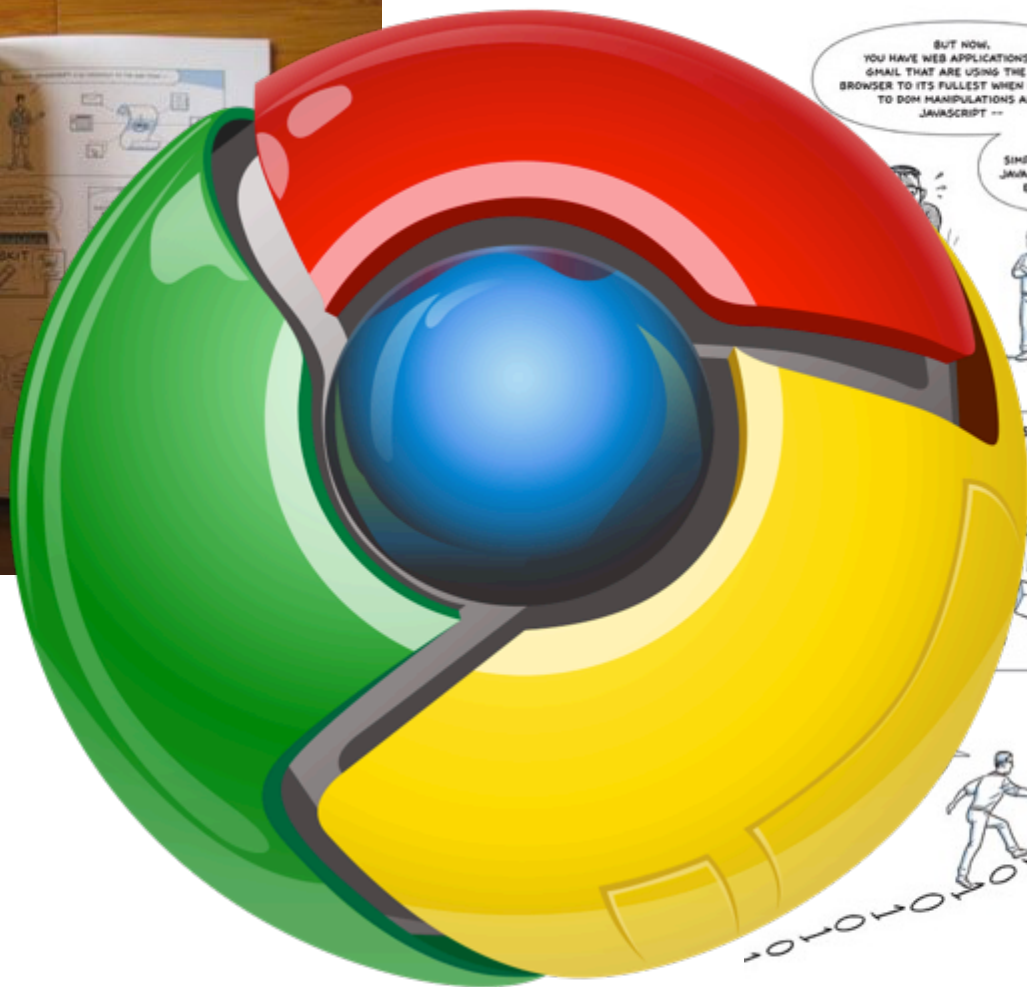
Start Microsoft Corporation...

today's news

Get Windows .NET Server 2003 RC2

Internet 8:11 AM





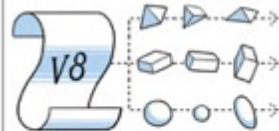
BUT NOW, YOU HAVE WEB APPLICATIONS LIKE GMAIL THAT ARE USING THE WEB BROWSER TO ITS FULLEST WHEN IT COMES TO DOM MANIPULATIONS AND JAVASCRIPT ---

--- AND THAT SIMPLISTIC APPROACH TO JAVASCRIPT ENGINES ISN'T ENOUGH ANYMORE.

SO WE STARTED WITH NO CODE, JUST SOME WILD IDEAS ABOUT HOW TO MAKE IT GO REALLY FAST ---

--- SUCH AS INTRODUCING HIDDEN CLASS TRANSITIONS.

BUT IN VB, AS EXECUTION GOES ON, OBJECTS THAT END UP WITH THE SAME PROPERTIES WILL SHARE THE SAME HIDDEN CLASS AND WE CAN START APPLYING DYNAMIC OPTIMIZATIONS BASED ON THAT.



WHEN OTHER JAVASCRIPT ENGINES RUN, THEY LOOK AT THE JAVASCRIPT SOURCE CODE AND GENERATE AN INTERNAL REPRESENTATION OF IT THEY CAN INTERPRET.



Chrome Benchmark (Windows XP)

Iterations - Higher is better

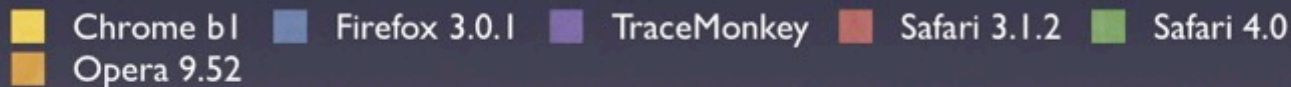
2,500

1,875

1,250

625

0



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Speed test: Google Chrome beats Firefox, IE, Safari

Google's Chrome trounces Firefox, Internet Explorer, and Safari on speed tests for JavaScript, a key foundation for rich Web apps. But Google picked the benchmarks.

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Google Chrome: The Fast Browser With Slow Adoption

26 COMMENTS

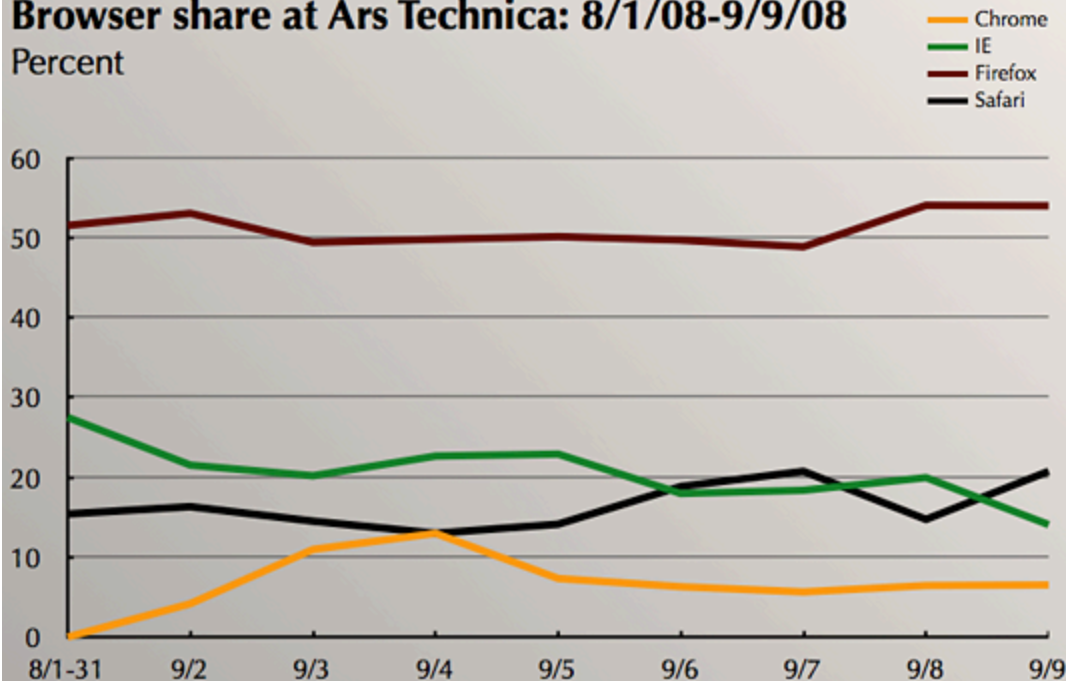
By [Juan Carlos Perez](#), IDG News Service

The launch of [Google's Chrome browser](#) a little over a year ago brought with it a mountain of hype and expectations, with some suggesting it could be as instantly disruptive and beneficial as Gmail was to the webmail market.

After all, here was Google opening another front against Microsoft with a big and bold move, and also turning into a competitor to its close partner Mozilla, maker of [Firefox](#), the darling browser of techies worldwide.



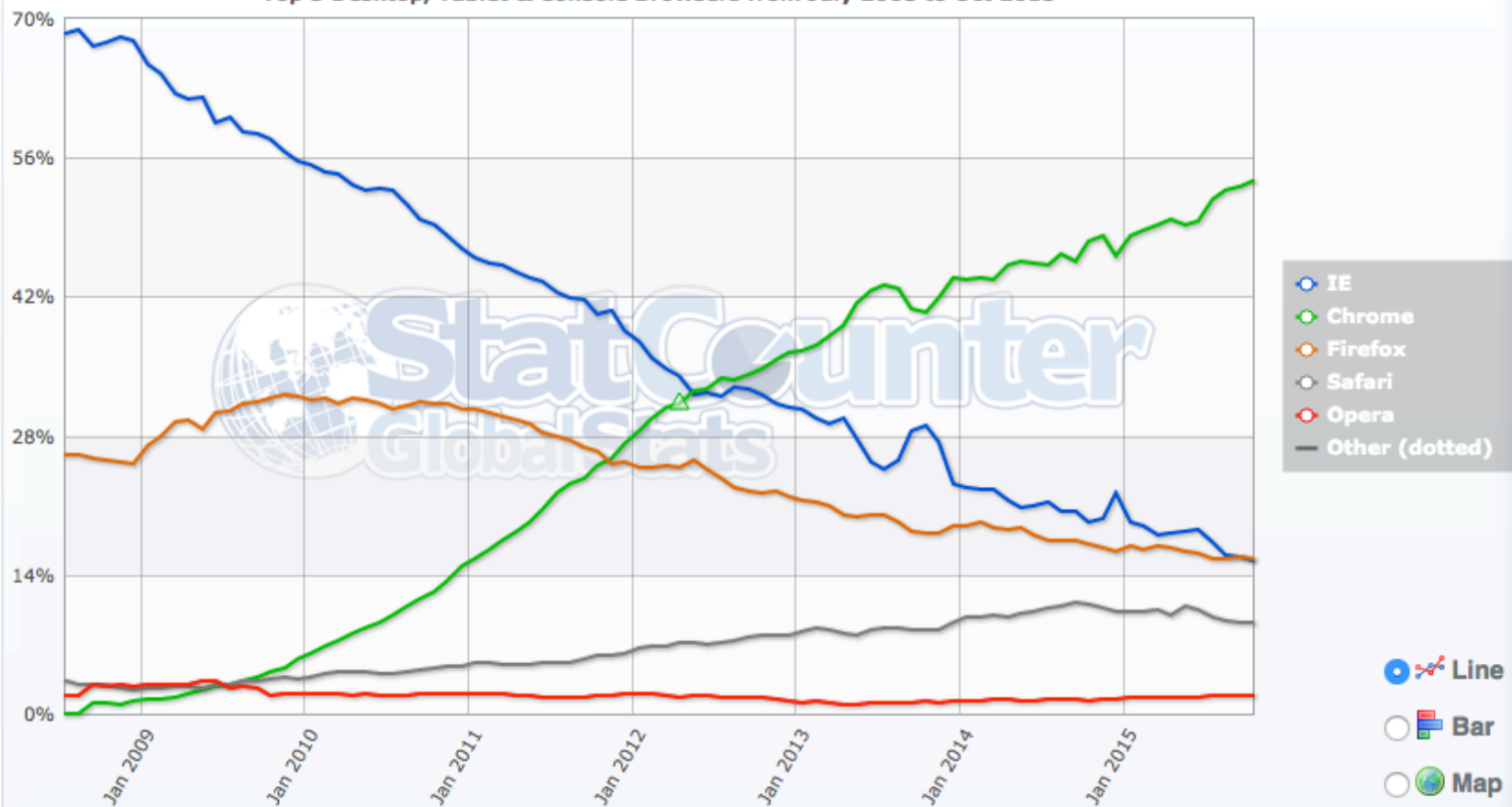
Browser share at Ars Technica: 8/1/08-9/9/08 Percent





StatCounter Global Stats

Top 5 Desktop, Tablet & Console Browsers from July 2008 to Oct 2015



Stat: Browser (Desktop, Ta...

Region: Worldwide

Period: July 2008 to Oct 2015 (edit)

3 ting der sikrede Chromes succes

Vigtige ingredienser i Chromes success

Udfordre det eksisterende med aggressive mål:

- Spurgte verdens førende eksperter. Nej tak - allerede så hurtigt det kan blive
- Mål 10x hurtigere!
- Senere 2x (crankshaft) - Ud af boksen i stedet for små forbedringer

Hav modet til det lange seje træk - forvent modgang og langsom fremdrift

- Initial modstand - også internt
- Skepsis om markedsberettigelse
- Konstant udfordret af konkurrenter - hurtigere og hurtigere benchmark

Brug Internettet og digitaliseringen til at skalere

- Første launch få millioner
- Adskillige produktforbedringer og kampagner senere
- Over én milliard brugere



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