RESILIENCE
The ARPANET in December 1969
“Deliver the bits, stupid.”

—David Isenberg
“Rise of the Stupid Network”
ENQUIRE WITHIN

Upon Everything
Information Management: A Proposal

Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext system.

Keywords: Hypertext, Computer conferencing, Document retrieval, Information management, Project control
In the offices of this corridor, all the fundamental technologies of the World Wide Web were developed.

Started in 1990 from a proposal made by Tim Berners-Lee in 1989, the effort was first divided between an office in building 31 of the Computing and Networking Division (CN) and one in building 2 of the Electronics and Computing for Physics Division (ECP).

In 1991 the team came together in these offices, then belonging to ECP. It was composed of two CERN staff members, Tim Berners-Lee (GB) and Robert Cailliau (BE), aided by a number of Fellows, Technical Students, a Cooperator and Summer Students.

At the end of 1994 Tim Berners-Lee left CERN to direct the WWW Consortium (W3C), a world-wide organization devoted to leading the Web to its full potential. The W3C was founded with the help of CERN, the European Commission, the Massachusetts Institute of Technology (MIT), the Institut National pour la Recherche en Informatique et en Automatique (INRIA), and the Advanced Research Projects Agency (ARPA).

In 1995 Tim Berners-Lee and Robert Cailliau received the ACM Software Systems Award for the World Wide Web. In 2004, Tim Berners-Lee was awarded the first Millennium Technology Prize by the Finnish Technology Award Foundation.

The CERN Library
June 2004
“The trick... is to make sure that each limited mechanical part of the web, each application, is within itself composed of simple parts that will never get too powerful.”

—Tim Berners-Lee
HTTP
URLs
HTML
WWW
HTML
HTML tags

21 elements
HTML 5

121 elements
show me
<foo>
show me
</foo>
<main>
show me
</main>
<img src alt srcset>
<picture>
<source srcset>
<source srcset>
<img src alt srcset>
</picture>
OOCSS
SMACSS
BEM

selector {
  property: value;
}
CSS
HTML
“Be conservative in what you send, be liberal in what you accept.”

—Jon Postel
fragile

XHTML 2
fragile

JavaScript
Get a fast, free web browser
Google Chrome runs websites and applications with lightning speed.

Download Chrome
For Mac OS X 10.6 or later

Uncatched TypeError: Cannot read property 'installer' of undefined
www.google.com/sby
“Anything that can possibly go wrong, will go wrong.”

—Edward Aloysius Murphy, Jr.
Everyone has JavaScript, right?

1. **Your user requests your web app**
2. **Has the page loaded yet?**
   - "All your users are non-JS while they’re downloading your JS" — Jake Archibald
3. **Did the HTTP request for the JavaScript succeed?**
   - If they’re on a train and their net connection goes away before your JavaScript loads, then there’s no JavaScript.
4. **Did the HTTP request for the JavaScript complete?**
   - How many times have you had a mobile browser hang forever loading a page and then load it instantly when you refresh?
1. Identify core functionality.

2. Make that functionality available using the simplest technology.

3. Enhance!
1. Identify core functionality.

2. Make that functionality available using the simplest technology.

3. Enhance!
1. Identify core functionality.

2. Make that functionality available using the simplest technology.

3. Enhance!
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Sign up for Twitter

Phone, email or username

Password

Remember me - Forgot password?

Full name

Email

Password

Sign up for Twitter

Thankssss MUNICH for opening our hearts!!! It was BEYOND!!! It was crazyyyyyy!!!

Tweet and share by PolyCoke

12:04 AM - 28 Nov 2014
1. Identify core functionality.

2. Make that functionality available using the simplest technology.

3. Enhance!
local storage

service worker
1. Identify core functionality.

2. Make that functionality available using the simplest technology.

3. Enhance!
“This is too easy.”
“This is too hard.”
1. Identify core functionality.
2. Make that functionality available using the simplest technology.
3. Enhance!
developer convenience

user needs
216 colours
Times New Roman
Verdana
Arial
Netscape 4
IE 6
Windows XP
Android 2.x
EVERYTHING IS AMAZING
AND NOBODY'S HAPPY
URLs
RESILIENCE