Web Page Debuggers for Non-Developers

Quentin Barnes CUCUG January 21, 2021

Live Demos!

- Measuring load performance of web pages
- Checking web pages for errors and other issues
- Finding Job Listings With Developer Tools

As a Non-Dev, Why Do I Want to Measure Load Time?

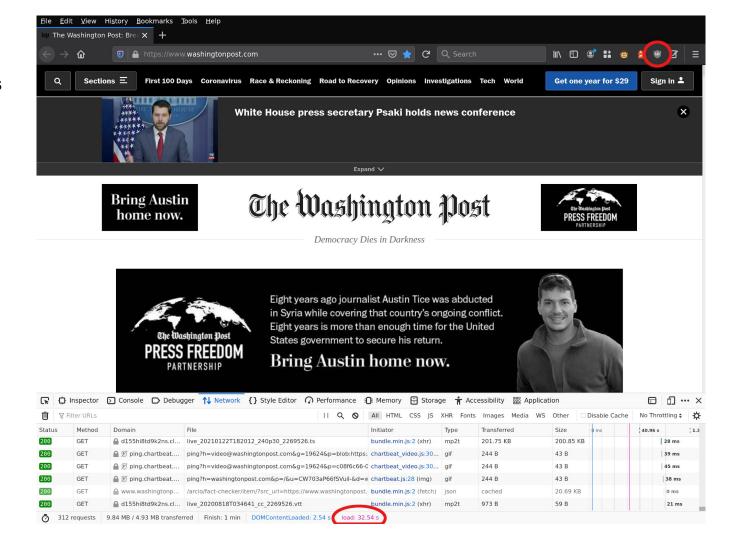
- Those that have time to waste, ignore this section!
- You can speed up your browser by making changes to it
- Changes to browsers that affects page load time
 - Ad blockers and other add-ons
 - Animations, prefetching, autoplay
 - Page scrolling
 - Rendering engine and graphic chip acceleration
- Quantify how much time your changes save

Measuring Load Performance of Web Pages

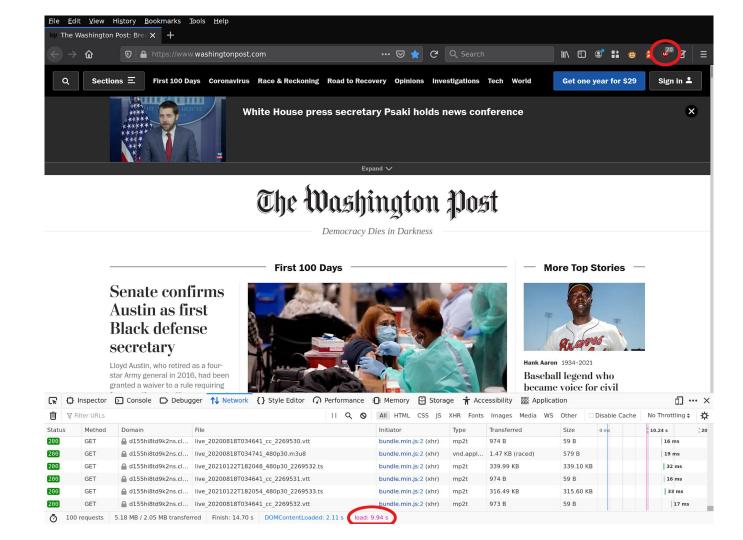
- Network Interface of Developer Tools Provides Page Load Time
- On Firefox:
 - Hamburger menu > Web Developer > Network
 - Direct hotkey of Control-Shift-E
- On Chrome:
 - Hamburger menu > More Tools > Developer Tools, select "Network" tab
 - Hotkey to open Developer Tools is Control-Shift-I

Performance Demo

Disabled: 32.54 secs



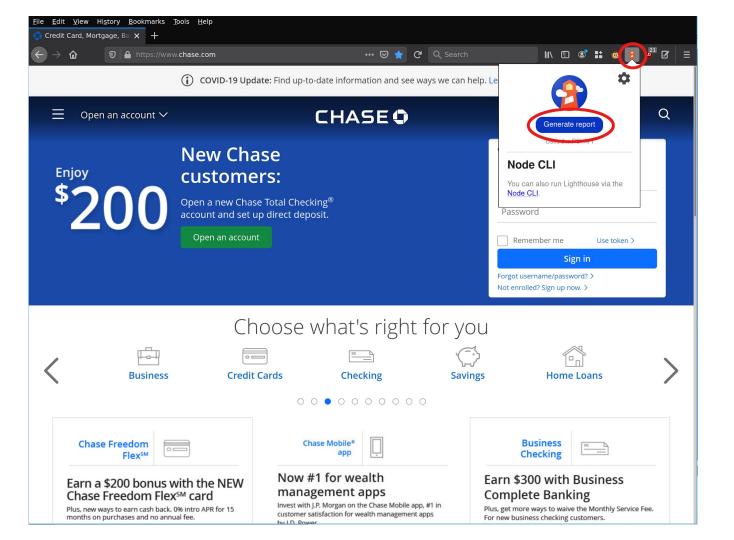
Enabled: 9.94 secs

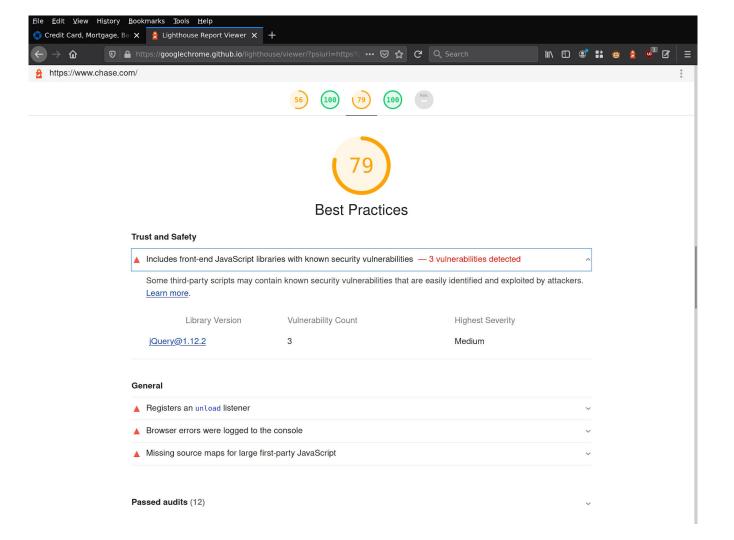


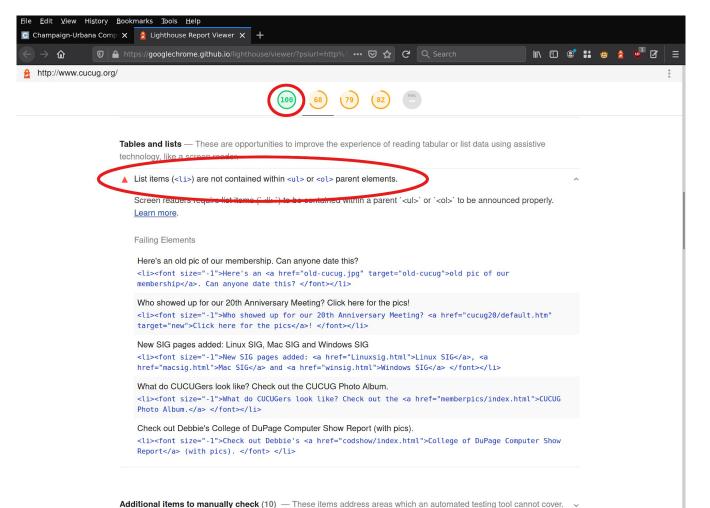
Finding Bugs and Other Issues Using Lighthouse

- Google's Lighthouse shows bugs and issues
 - Add-ons available for <u>Chrome</u> and <u>Firefox</u>
- Easy to use and follow Graphic User Interface summary

Lighthouse Demo







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File Edit View History Bookmarks Tools Help
Champaign-Urbana Comp X
                            http://www.cucug.org/
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                                                                                                                             命
                  view-source:http://www.cucug.org/
  3/ <P>
 38 <FONT SIZE="-1"><i>Contact The Champaign-Urbana Computer Users Group by using our handy <a
 39 href="contact/index.html"> comment form</a>.
 40 Our postal mailing address is:</i>
 41 <P><B>CUCUG</B><BR>
 42 912 Stratford Dr. <BR>
 43 Champaign, IL 61821
 44 <P>Please see our <A
 45 HREF="privacy.html">privacy statement</a> for information about how we
 46 use the information we collect from this site.
 47 </FONT>
 49 <P><BR><P>
 51 
 53 <TD VALIGN="TOP" WIDTH="80%">
 56 <CENTER><img src="cucuqloqo.jpg" border=0 WIDTH=469 HEIGHT=125 ALT="Champaign-Urbana Computer Users Group"></A></CENTER>
 58 <center><font size=+2 color="#0d7ec0"><B>Champaign-Urbana Computer Users Group</B></font></center>
 59 <P>
 60 
 61 <
     Site Features</b>
    <P>
    <FONT SIZE="-1">
    Here s an <A HREF="old-cucug.jpg" target=old-cucug>old pic of our membership/A>. Can anyone date this?
    Who showed up for our 20th Anniversary Meeting? <A HREF="cucuq20/default.htm" target=new>Click here for the pics</A>!
    New SIG pages added: <A HREF="Linuxsig.html">Linux SIG</a>, <A HREF="macsig.html">Mac SIG</a> and <A HREF="winsig.html">Windows SIG</a>
    What 0 CUCUGers look like? Check out the <A HREF="memberpics/index.html">CUCUG Photo Album.
    Chect out Debbie's <A HREF="codshow/index.html">College of DuPage Computer Show Report</a> (with pics).
    </font
    /td /tr>
 74 <br clear=all>
 76 <P>
 78 The Champaign-Urbana Computer Users Group was formed in 1983 to promote computing and education for users of
 79 personal computers. We currently support <a HREF="macsig.html">Macintosh</a>, <a HREF=
 80 "winsig.html">Windows</a> and <A HREF=
 81 "Linuxsiq.html">Linux/Android</a> personal computers. The group continues to be very active and successful, with members from
 82 all around east-central Illinois.
 84 <h3>Informative Club Meetings Held Monthly</h3>
 86 We hold our <a href=meeting.html>meetings</a> generally the third
 87 Thursday of each month at the Illinois Fire Service Institute.
 88 The Fire Institute building is located at 11 Gerty Dr Champaign, IL 61820 in south Champaign. Monthly presentations, talks or "socials" allow
 89 our members to share knowledge and help each other with problems and issues. The Linux/Android SIG meets at
 90 6:15pm and the general meeting begins at 7:00pm followed by the Macintosh and Windows SIGs. A great
 91 deal of information is shared at CUCUG meetings!
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93 <h3>High Quality Newsletter</h3>

95 The CUCUG <I>Status Register</I> is the monthly

96 newsletter of the organization and is read by computer enthusiasts

Job Listing in Source

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The White House
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                                    view-source:https://www.whitehouse.gov/
       <!doctype html>
        <html class="no-is alert has-cookie" lang="en-US">
                <meta charset="utf-8"><meta name="google" value="notranslate">
                <meta http-equiv="X-UA-Compatible" content="IE=edge"><script type="text/javascript">(window.NREUM||(NREUM={})).loader config={licenseKey:"9360826e15",applicationID:"75
               <meta name="viewport" content="width=device-width, initial-scale=1">
               k rel="profile" brof "bbb
               <!-- If you're reading this, we need your help building back better, https://usds.gov/ -->
               <title>The wnite nouse
               <meta name="description" content="Learn how the Biden-Harris Administration is tackling our nation's challenges and building our country back better from this crisis.'</pre>
               <meta name="robots" content="index, follow, max-snippet:-1, max-image-preview:large, max-video-preview:-1" />
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               <meta property="og:locale" content="en US" />
               <meta property="og:type" content="website" />
               <meta property="og:title" content="The White House" />
               <meta property="og:description" content="Learn how the Biden-Harris Administration is tackling our nation's challenges and building our country back better from this (</pre>
               <meta property="og:url" content="https://www.whitehouse.gov/" />
               <meta property="og:site name" content="The White House" />
               <meta property="article:publisher" content="https://www.facebook.com/WhiteHouse/" />
               <meta property="article:modified time" content="2021-01-17T19:18:27+00:00" />
               <meta property="og:image" content="https://www.whitehouse.gov/wp-content/uploads/2021/01/wh social-share.png" />
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               <meta property="oq:image:height" content="630" />
               <meta name="twitter:card" content="summary large image" />
               <meta name="twitter:site" content="@whitehouse" />
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   32 ink rel='stylesheet' id='theme css-css' href='https://www.whitehouse.gov/wp-content/themes/whitehouse/assets/css/style.min.css?ver=v1' type='text/css' media='all' />
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    36 <meta name="msapplication-TileImage" content="https://www.whitehouse.gov/wp-content/uploads/2021/01/cropped-cropped-wh favicon.png" />
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               <!-- We participate in the US government's analytics program. See the data at analytics.usa.gov. -->
               <script async src="https://dap.digitalgov.gov/Universal-Federated-Analytics-Min.js?agency=EOP" id=" fed an ua tag"></script>
               <script async src="https://www.googletagmanager.com/gtag/is?id=UA-12099831-10"></script>
               <script>
               window.dataLayer = window.dataLayer || [];
               function gtag(){dataLayer.push(arguments);}
               gtag('is', new Date()):
               gtag('config', 'UA-12099831-10'):
               window.gtag id = 'UA-12099831-10';
               </script>
               <link rel="preconnect" href="https://s.go-mpulse.net">
                                                        <script>!function(a){var e="https://s.go-mpulse.net/boomerang/",t="addEventListener";if("False"=="True")a.BOOMR config=a.BOOMR config||{},a.BOOMF
   53 <body class="home page-template-default page page-id-619 wp-embed-responsive no-con no-font"><script>
   54 if ((document.cookie.match('(^|; )contrast-cookie=([^;]*)') || 0)[2] === 'true') {
               document.body.className = document.body.className.replace(' no-con', '');
               document.body.className += ' accessibility contrast';
   58 if ((document.cookie.match('(^|; )font-size-cookie=([^;]*)') || 0)[2] === 'true') {
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document hady className i= ! accessibility fontsize!