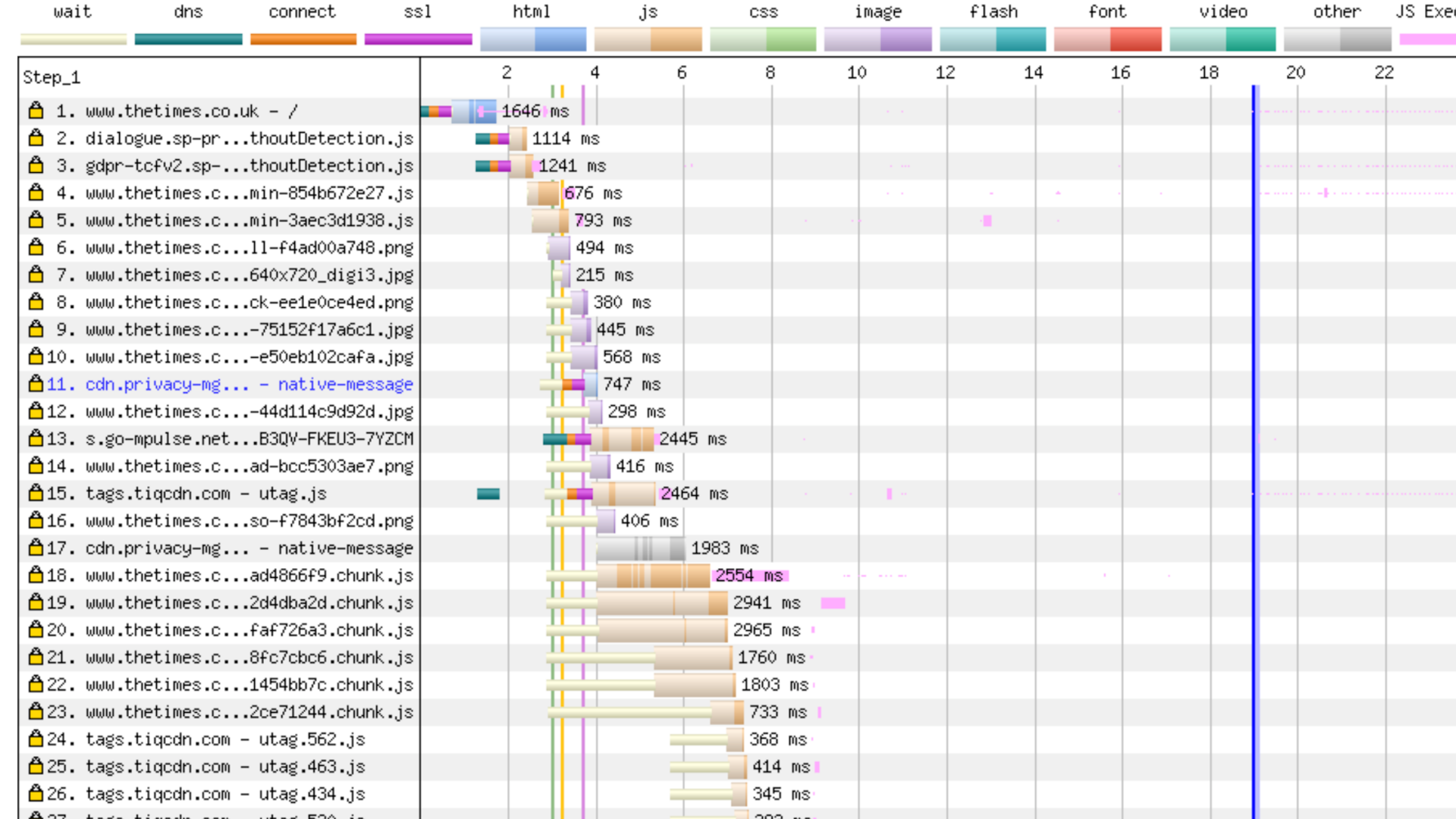
WEBPAGETEST

by Catchpoint ®

How to Read a WebPageTest waterfall chart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JS Exec
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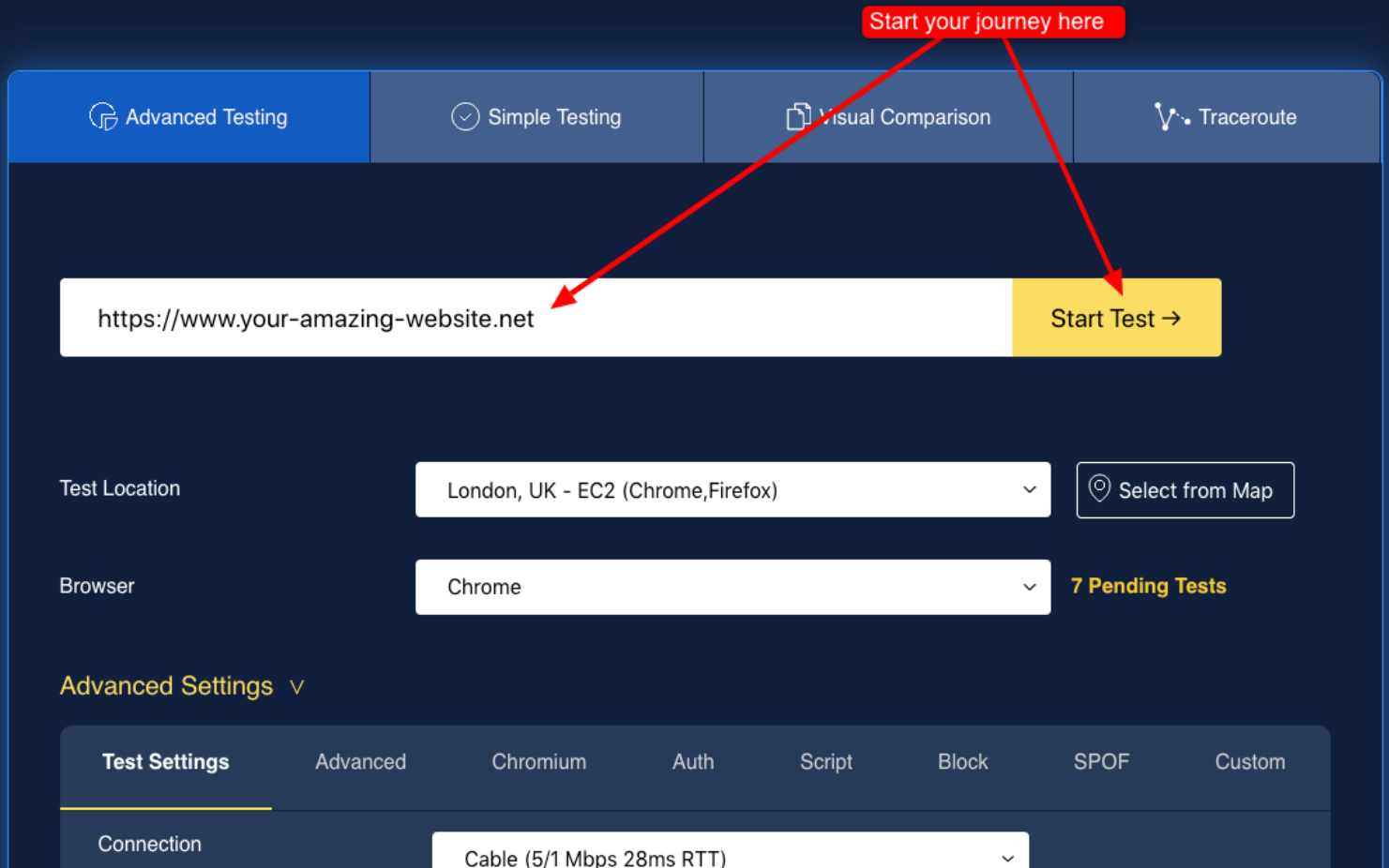
Assumed knowledge


WebPageTest
by Catchpoint
Home
Test History
API
Forums
Docs
Blog
About
My Account | Logout
Test. Optimize. Repeat.
Advanced Testing
Simple Testing
Visual Comparison
Traceroute
https://www.webpagetest.org/
Test Location
London, UK - EC2 (Chrome,Firefox)
Select from Map
Browser
Chrome
7 Pending Tests
Advanced Settings
Test Settings
Advanced
Chromium
Auth
Script
Block
SPOF
Custom
Connection
Cable (5/1 Mbps 28ms RTT)

Test. Optimize. Repeat.



How to run a WebPageTest test

Published: Dec 31, 2020 Tagged: webperf, ramblings, webpagetest. Read time: 64 mins

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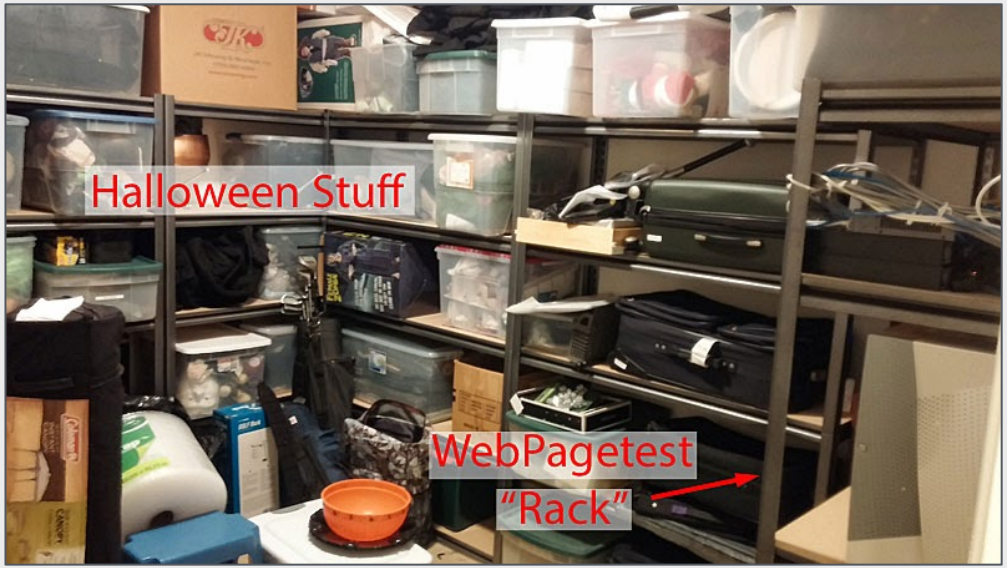
- Simple testing tab

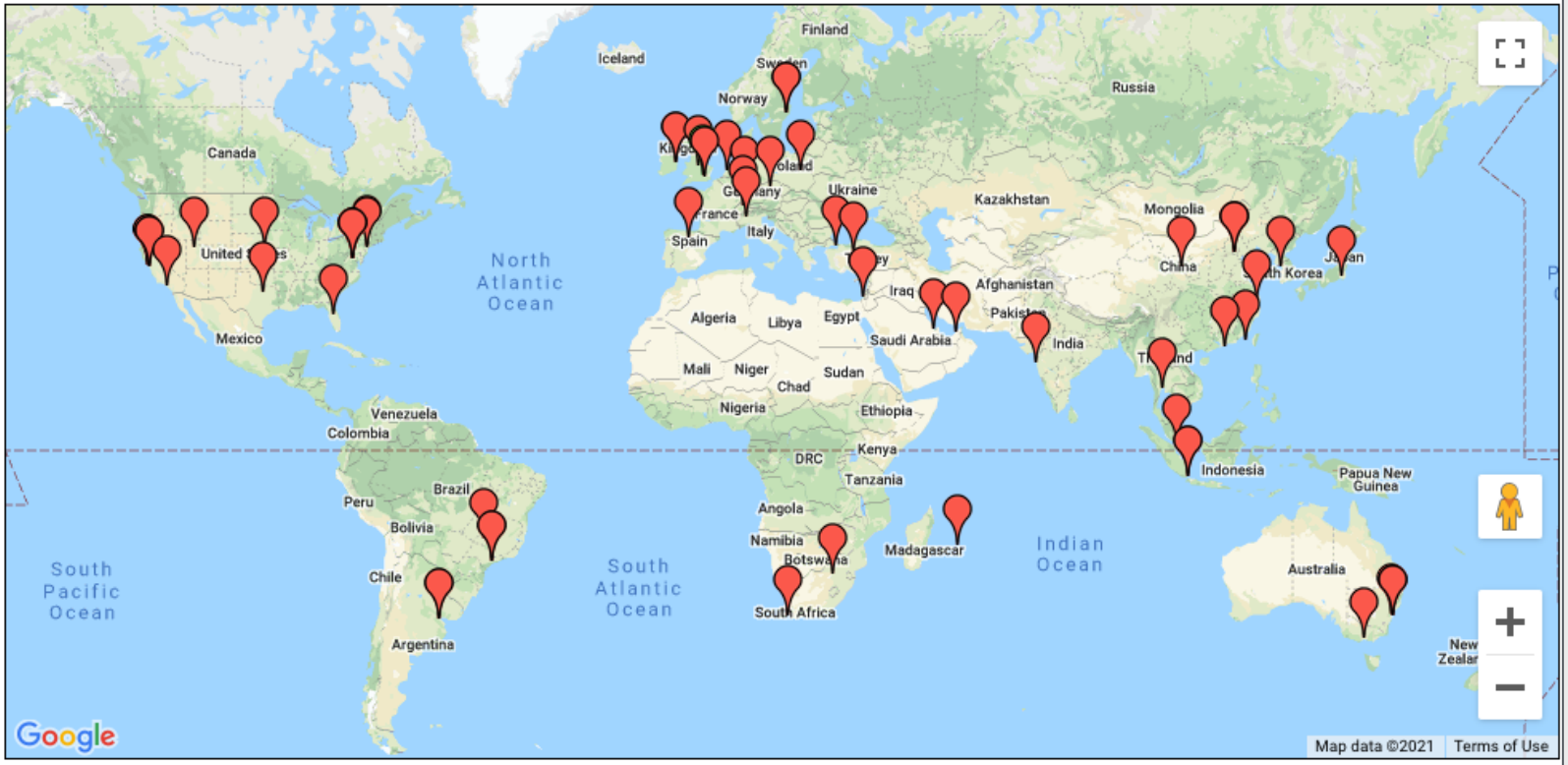
What is WebPageTest?

- Created by Pat Meenan in 2008 at AOL
- IE plugin called Pagetest
- Acquired by Catchpoint in 2020

Pats basement



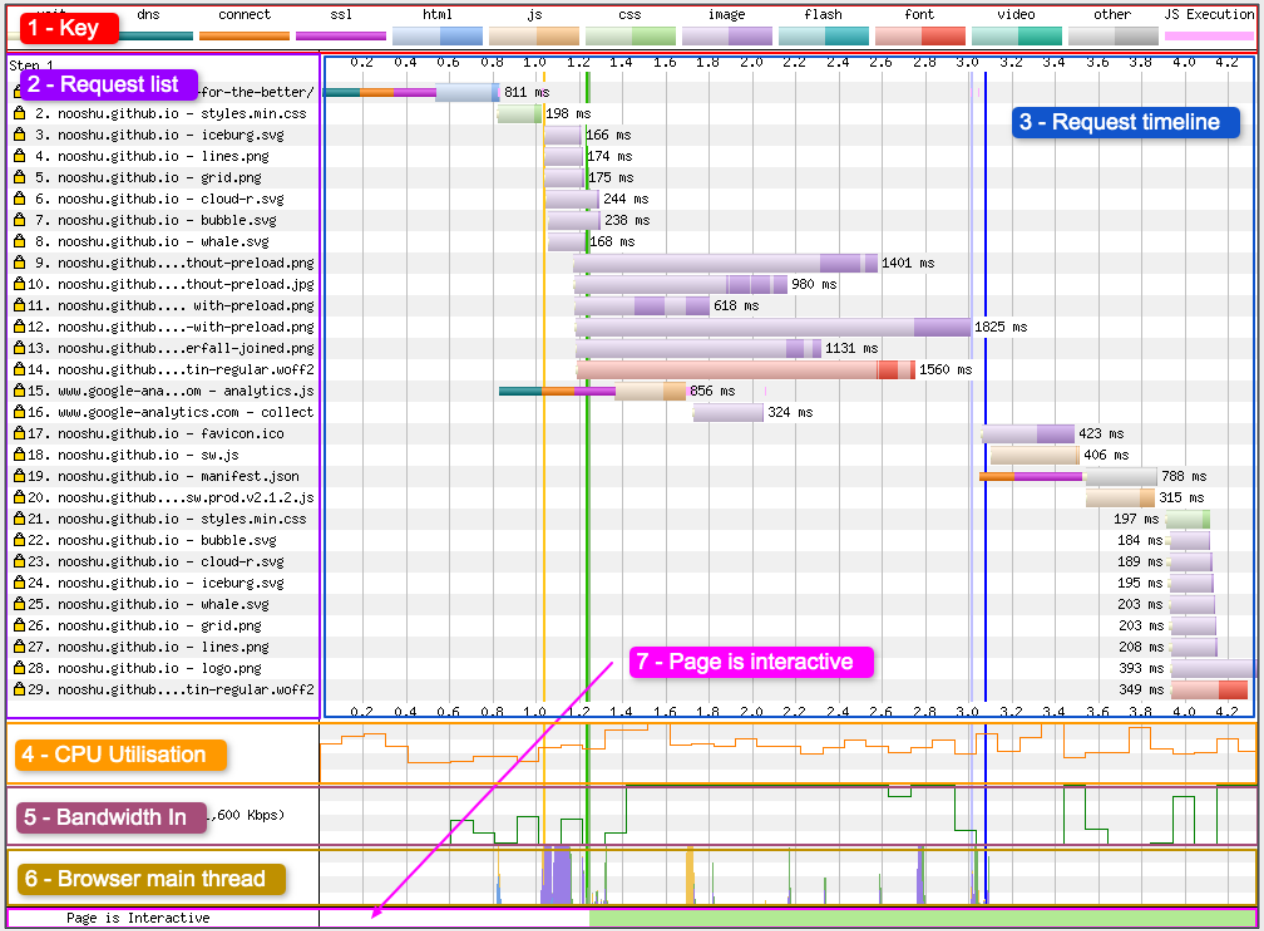
Select Test Location



London, UK - Atlantic.net (Chrome,Firefox,Opera)

OK

Basics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JS Execution
Step 1
2 - Request list
3 - Request timeline
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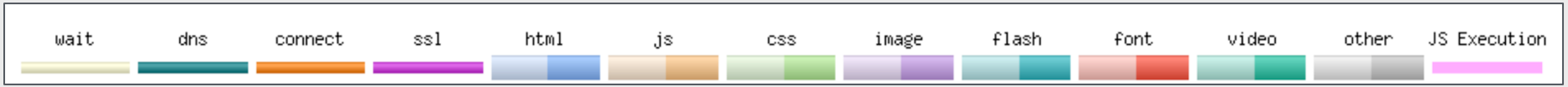
4 - CPU Utilisation
5 - Bandwidth In
,600 Kbps)
6 - Browser main thread
7 - Page is interactive
Page is Interactive

1: Key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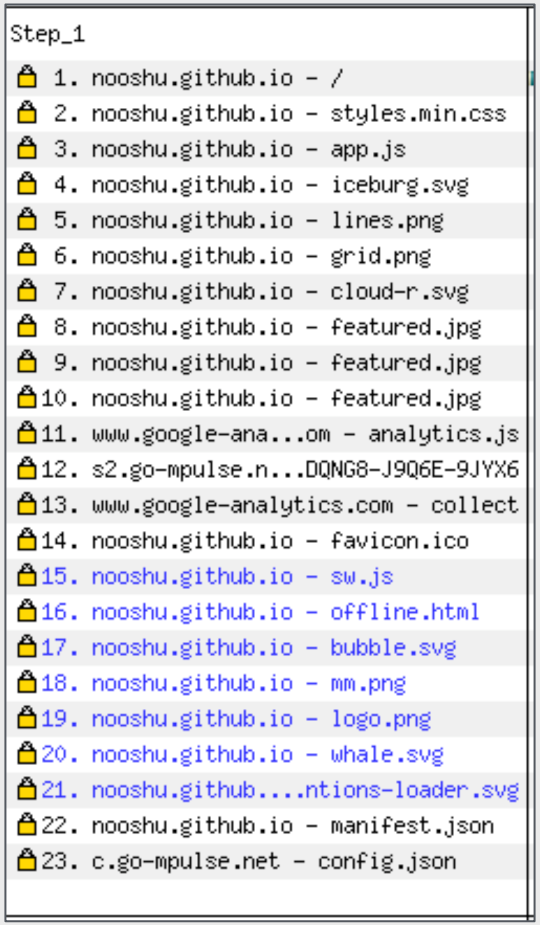
JS Execution

2: Request List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21. nooshu.github....ntions-loader.svg
22. nooshu.github.io - manifest.json
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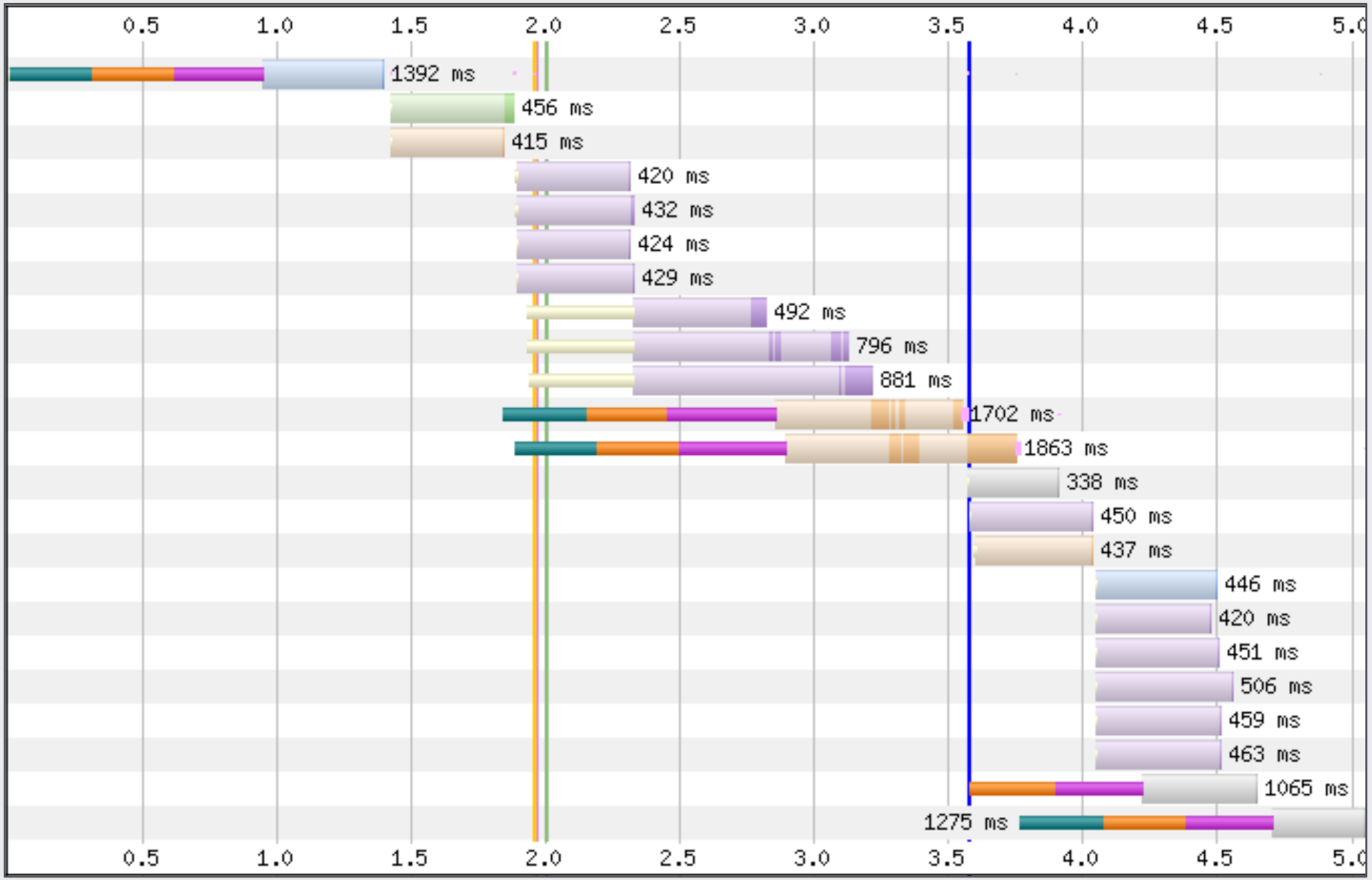
3: Request Timeline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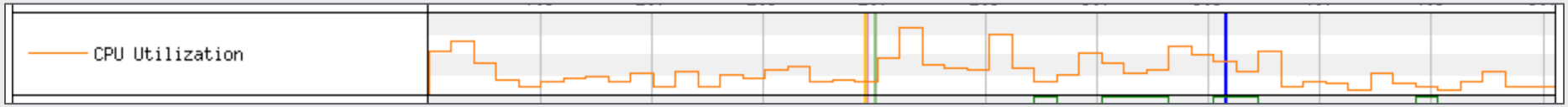
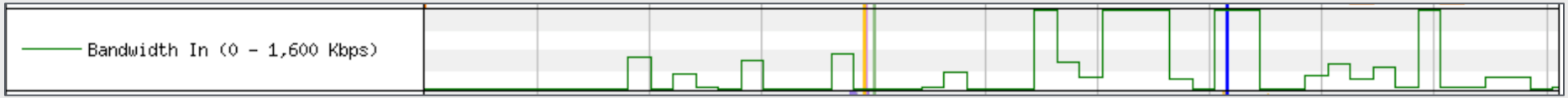
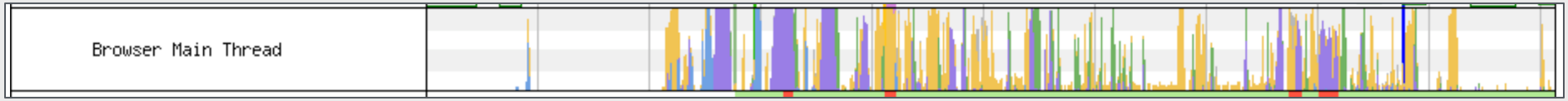
4: CPU Utilisation


CPU Utilization

5: Bandwidth In


Bandwidth In (0 - 1,600 Kbps)

6: Browser Main Thread

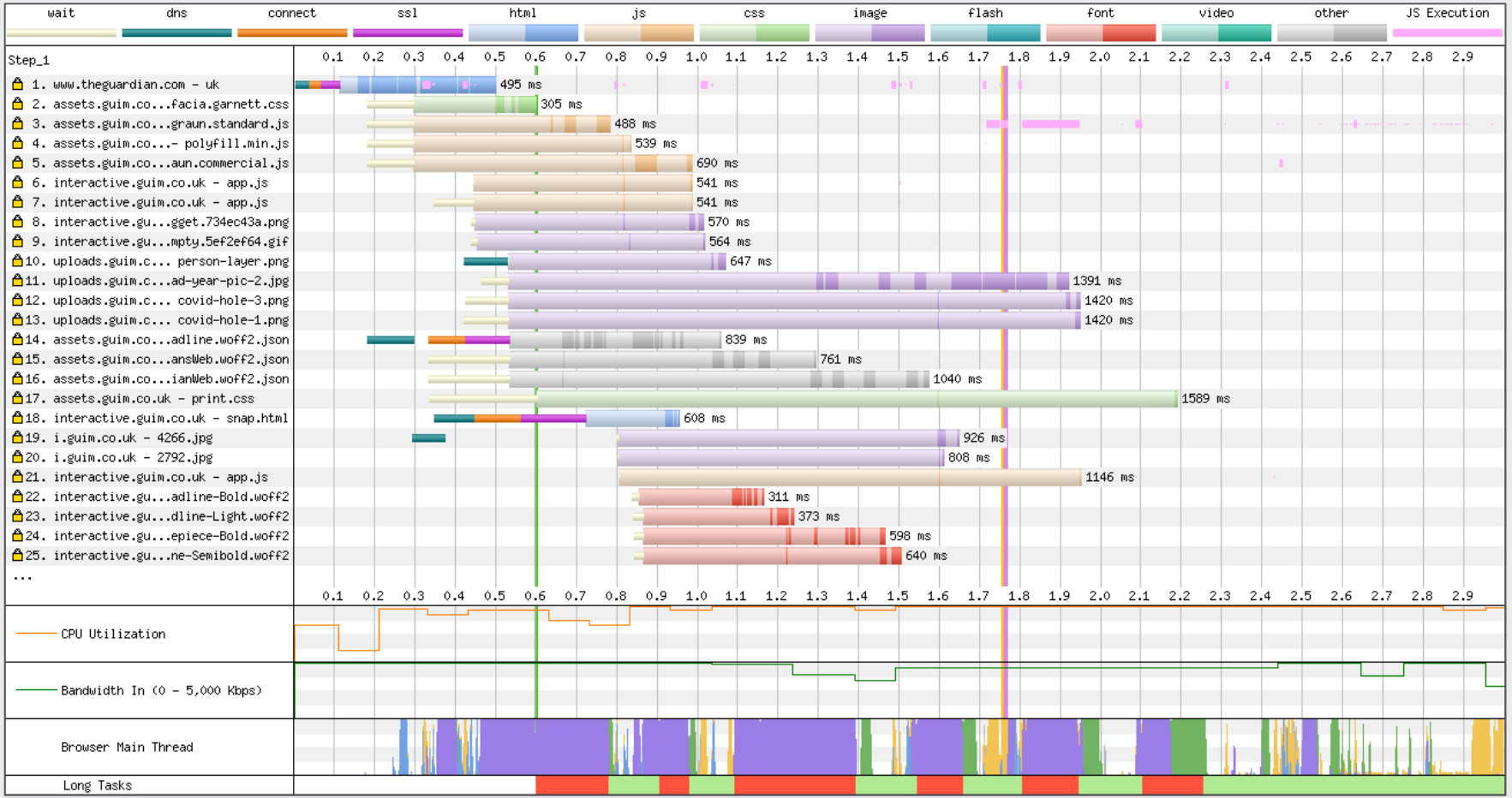


- Orange - Script parsing, evaluation and execution
- Purple - Layout
- Green - Painting
- Blue - HTML parsing
- Grey - Main thread time used for task processing not accounted for in other categories

7: Long Tasks


Long Tasks

All together: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JS Execution
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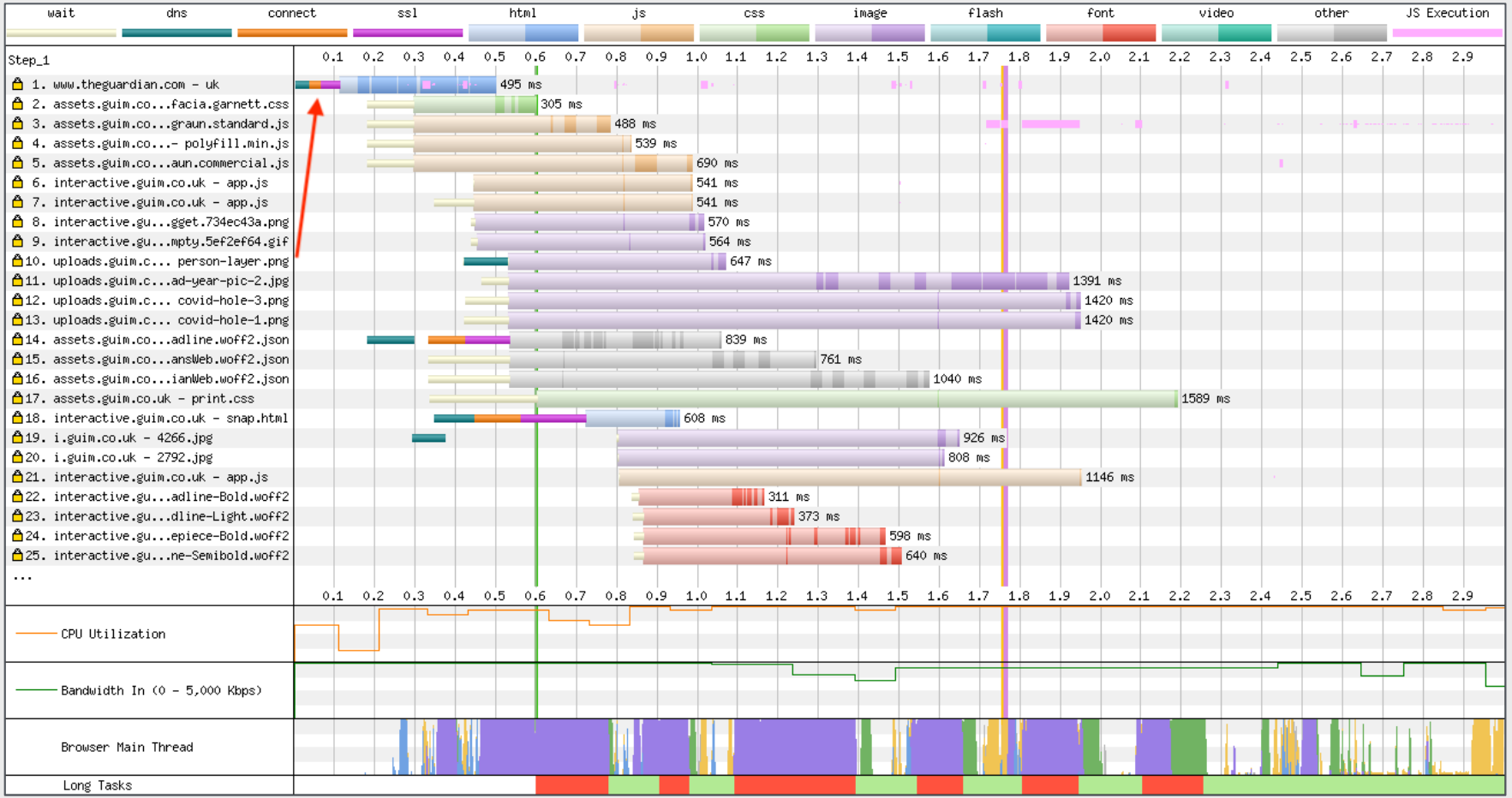
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks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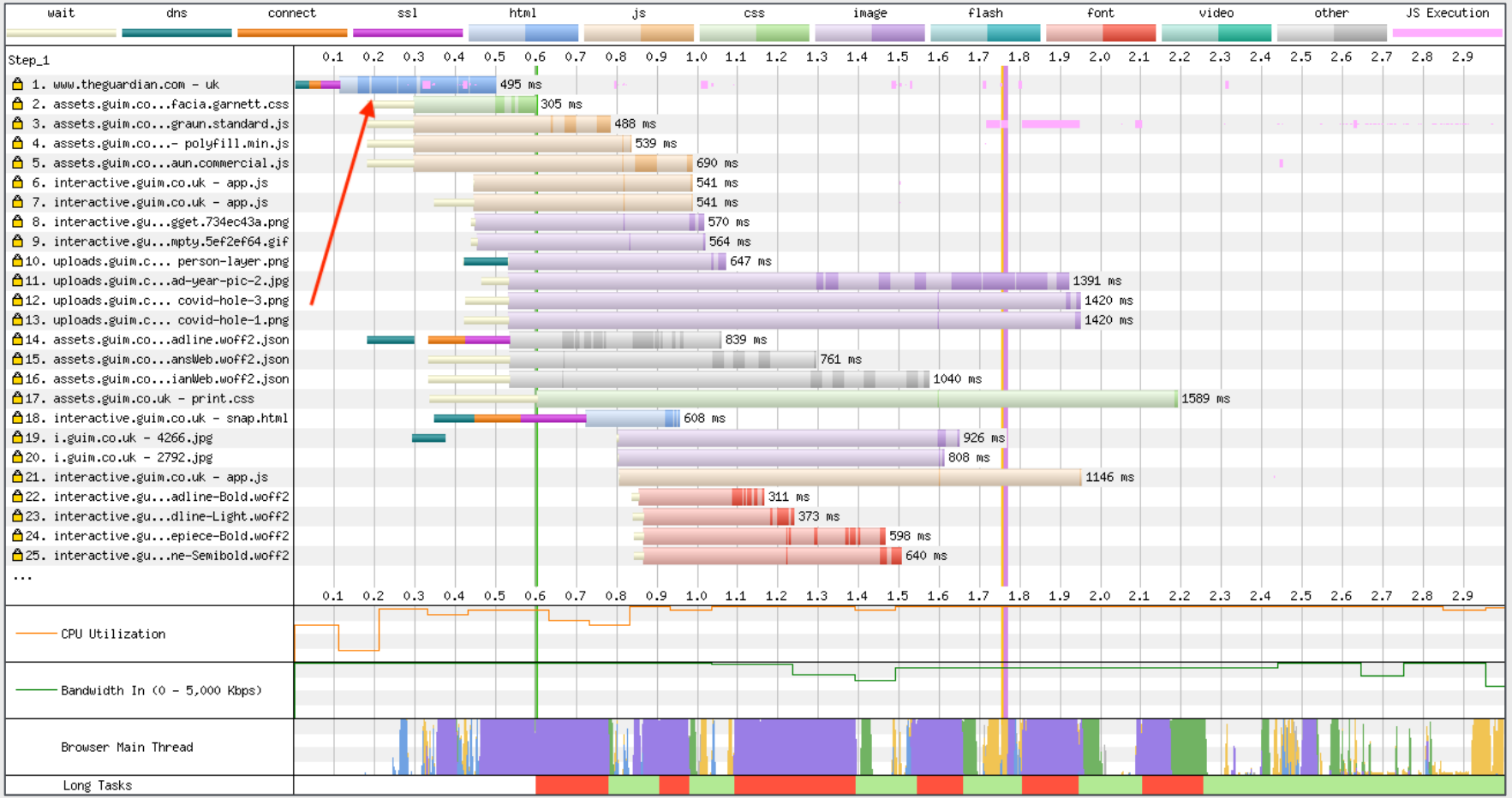
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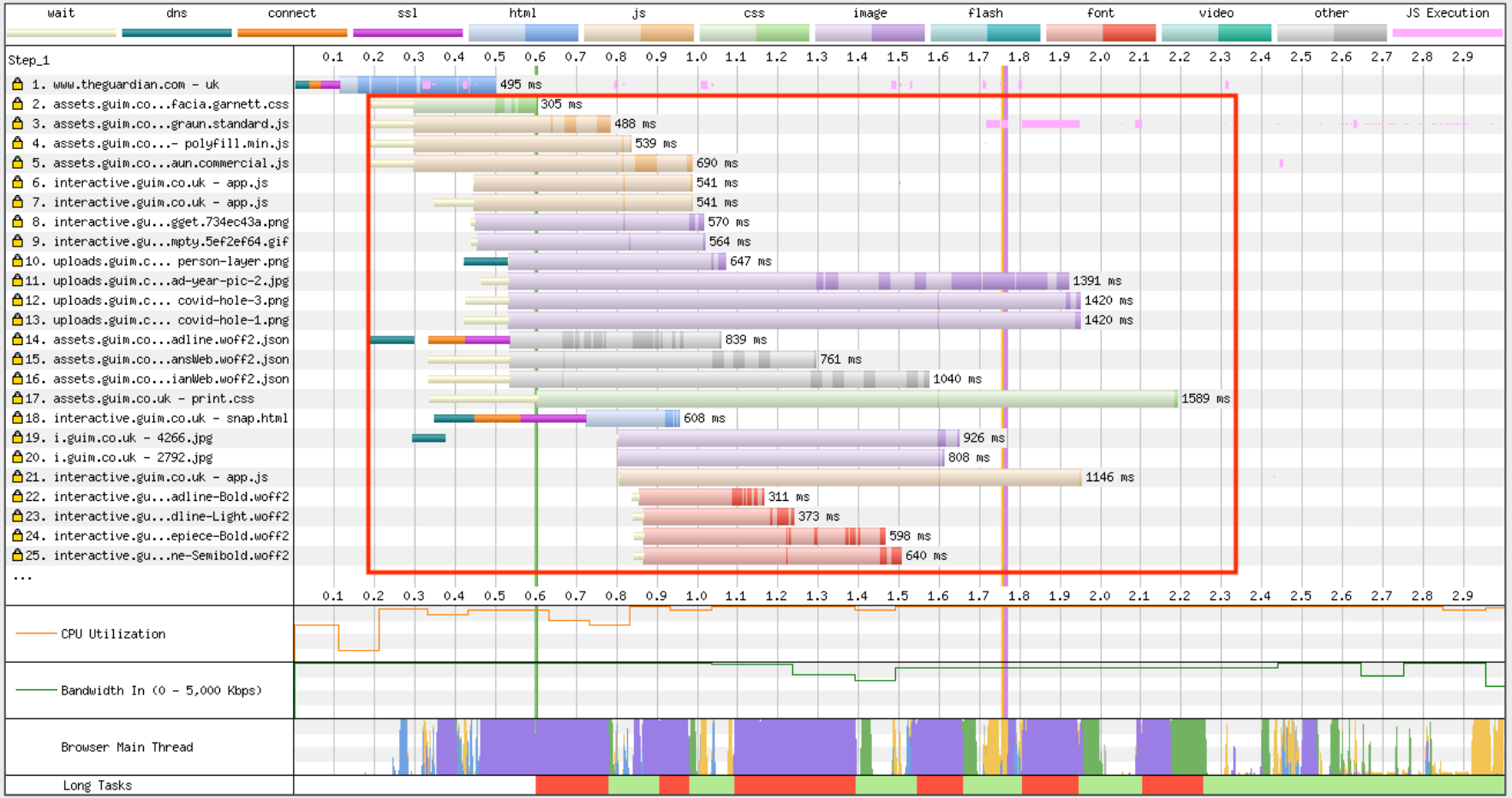
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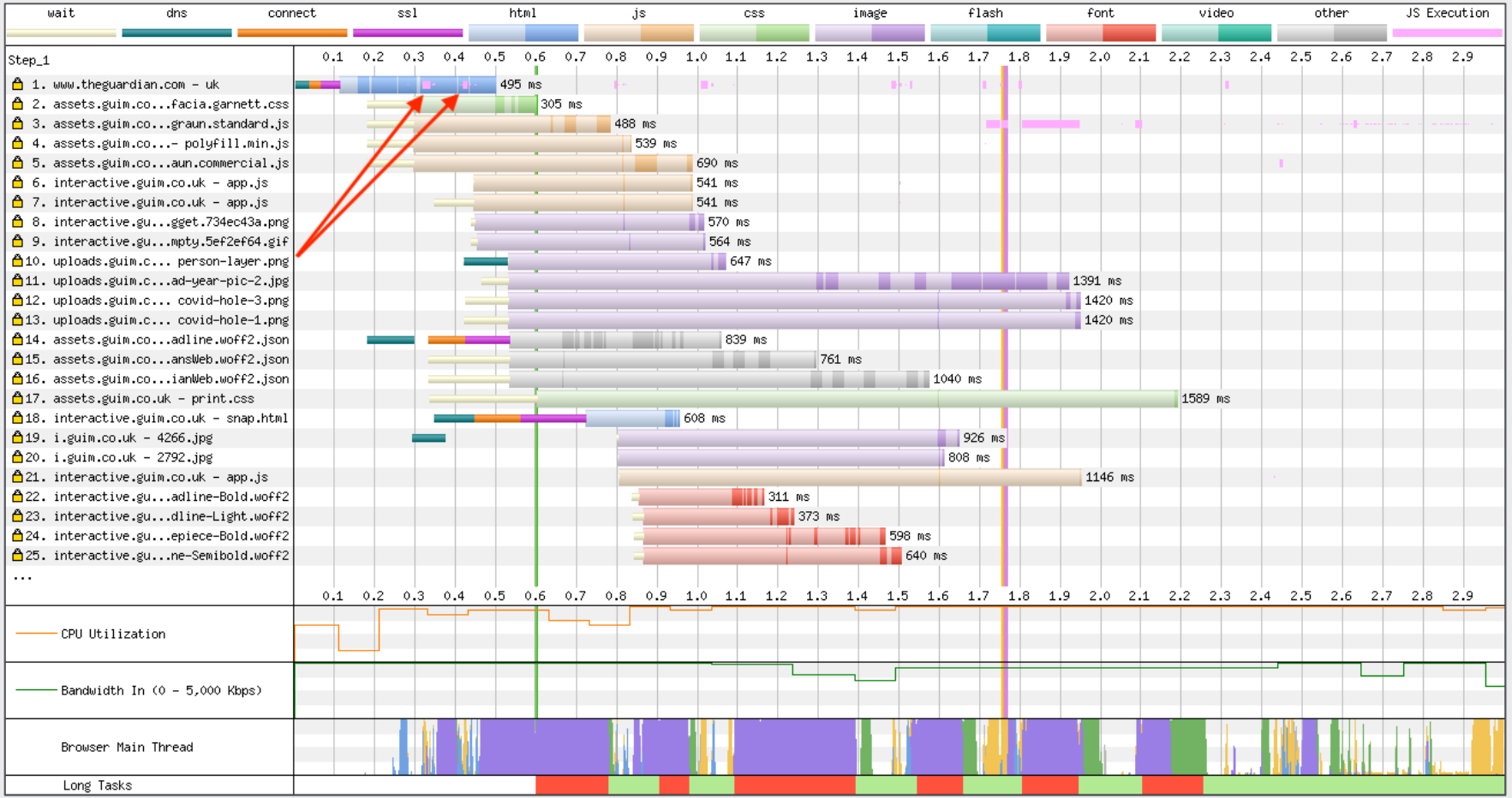
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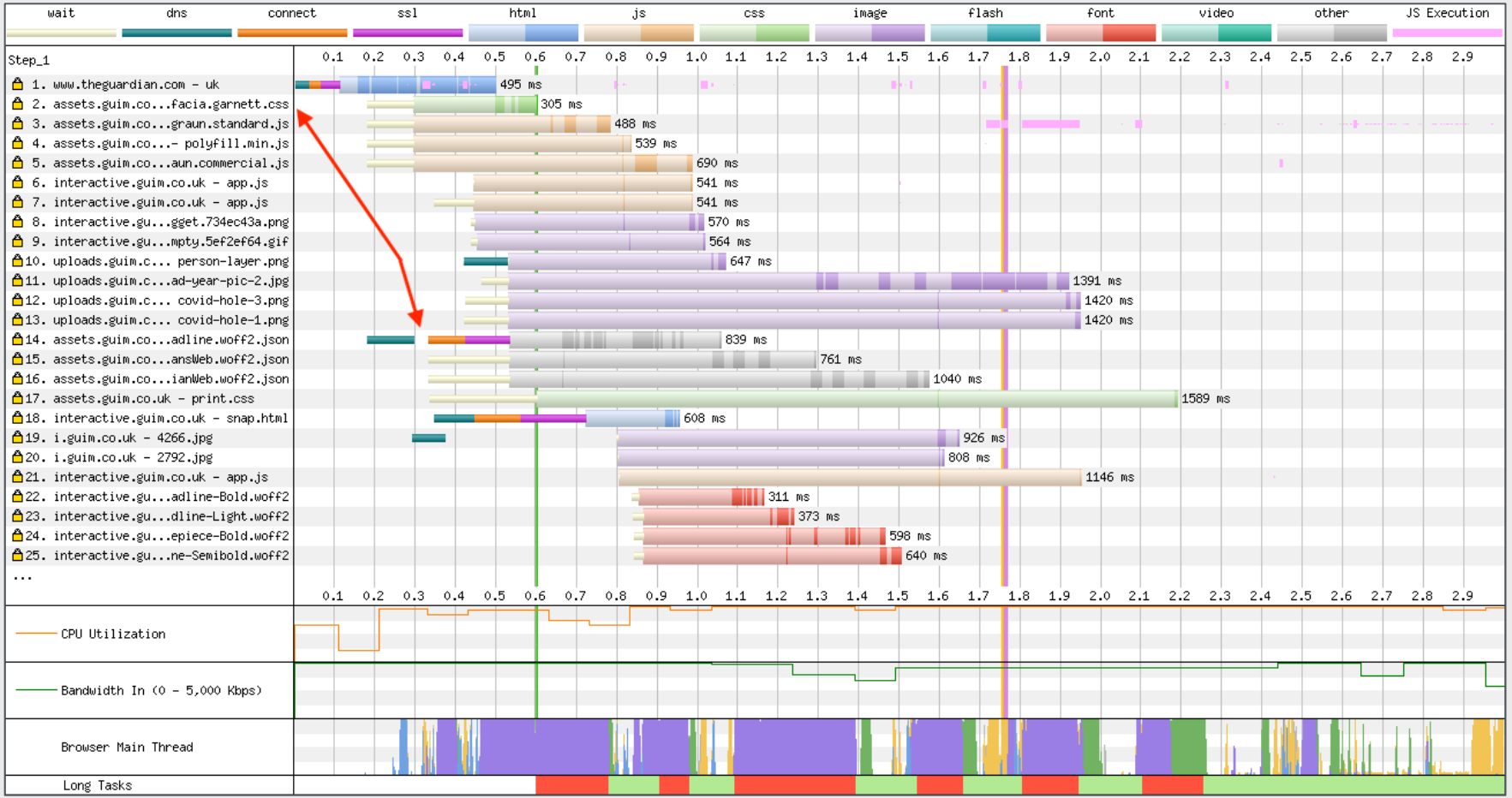
Browser Main Thread
Long Tasks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Step_1
1. www.theguardian.com - uk
2. assets.guim.co...facia.garnett.css
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4. assets.guim.co...- polyfill.min.js
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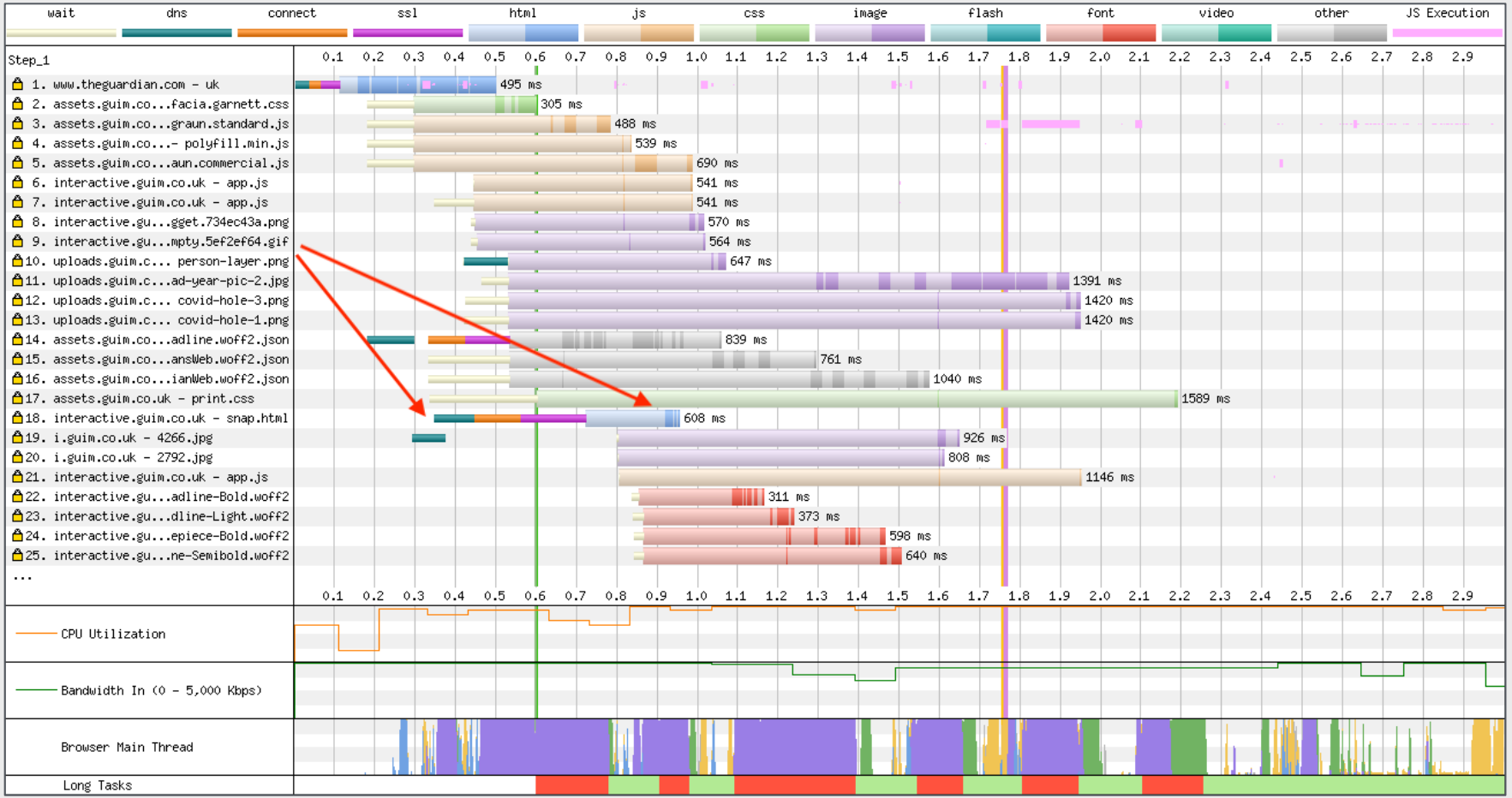
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks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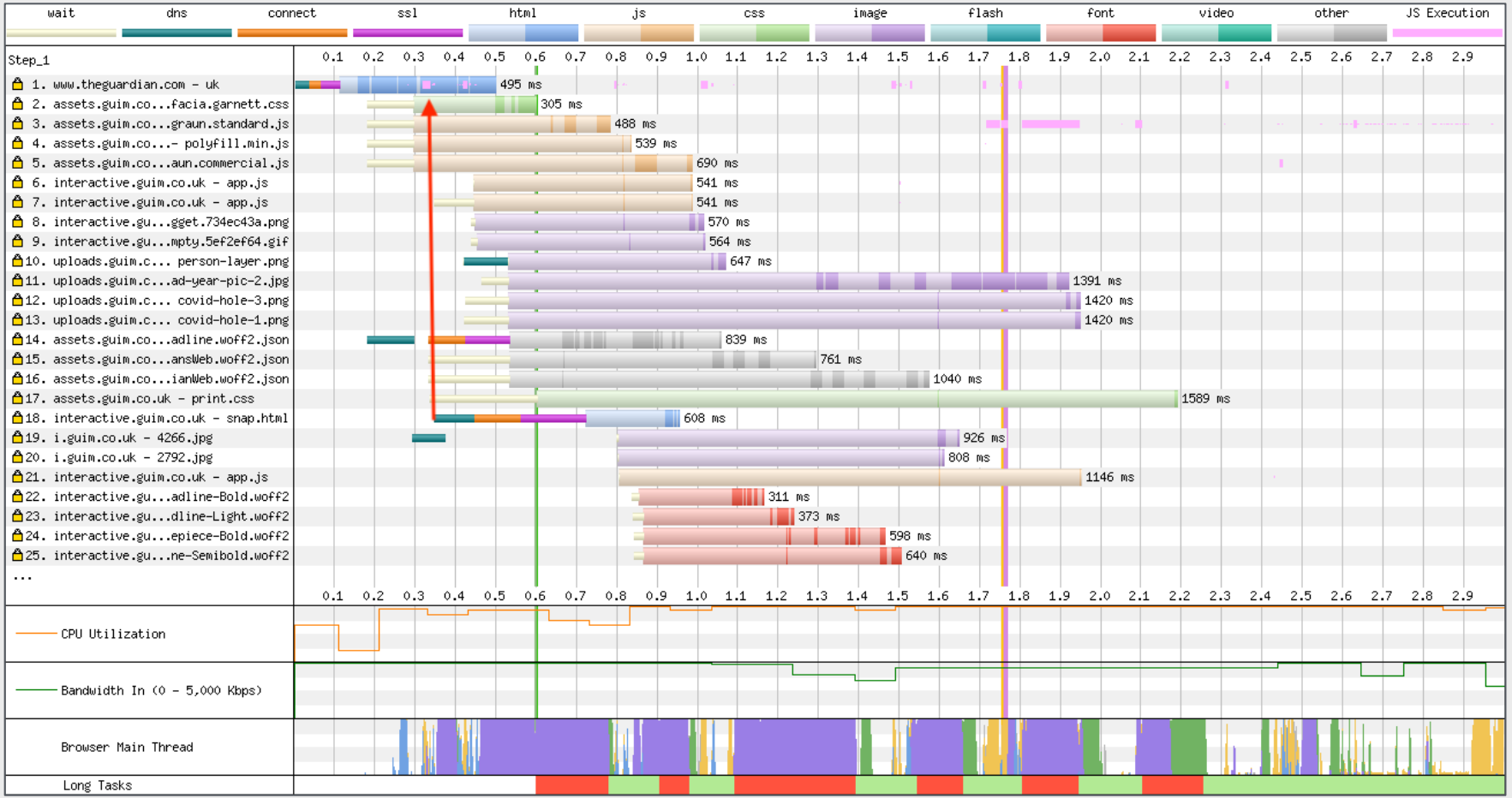
Browser Main Thread
Long Tasks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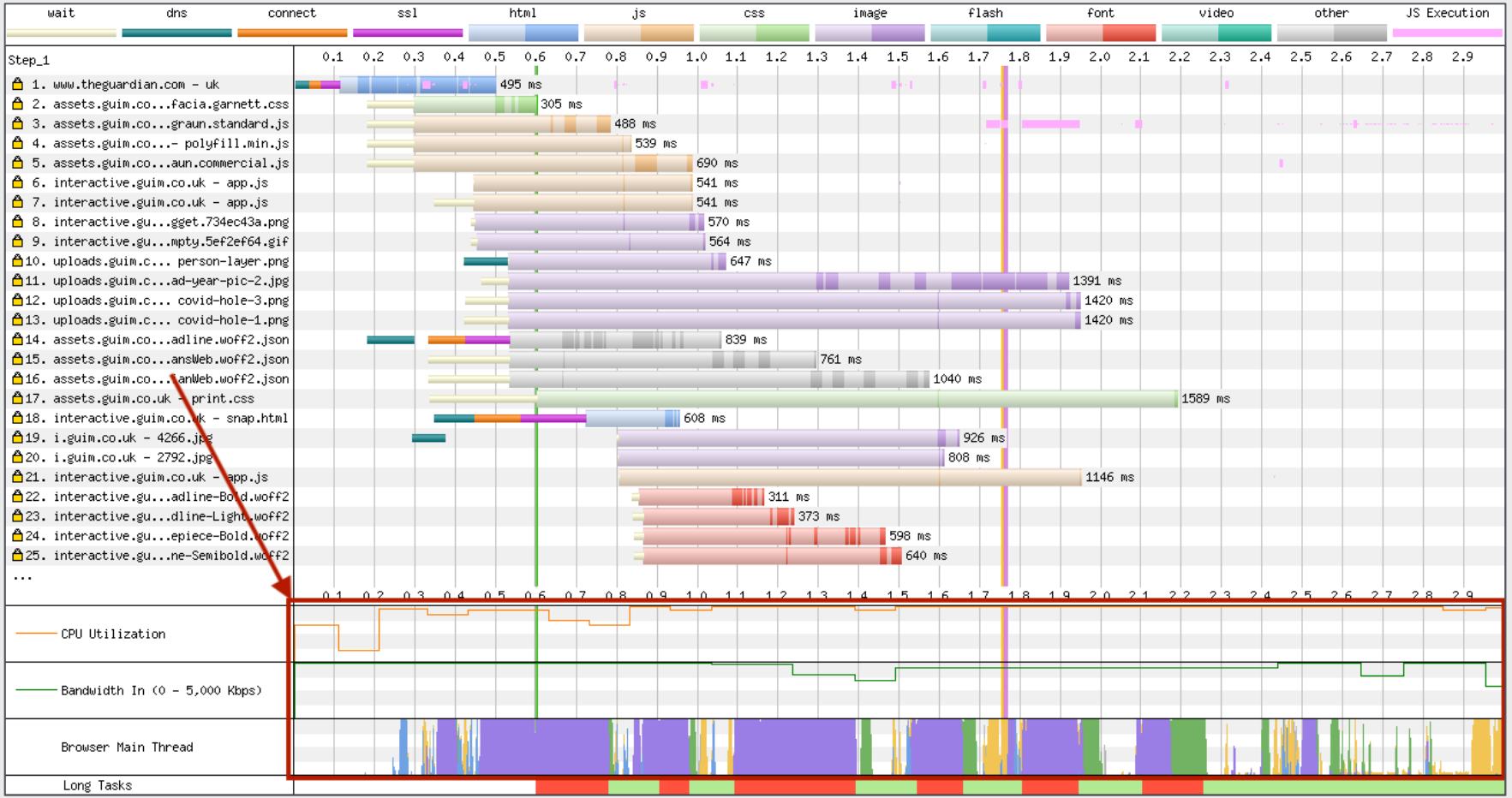
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks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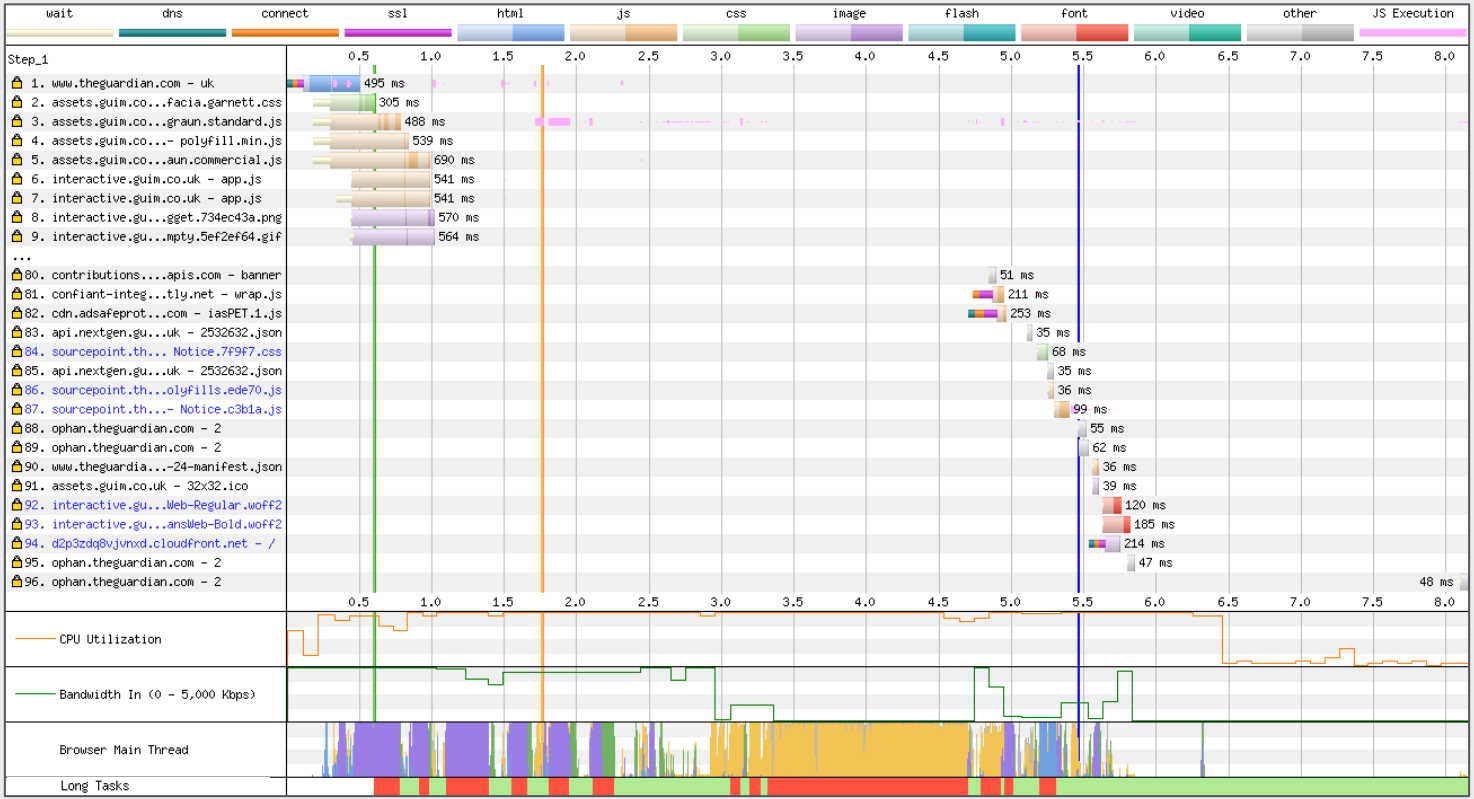
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks

Vertical Lines


Start Render
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DOM Content Loaded
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1. www.theguardian.com - uk
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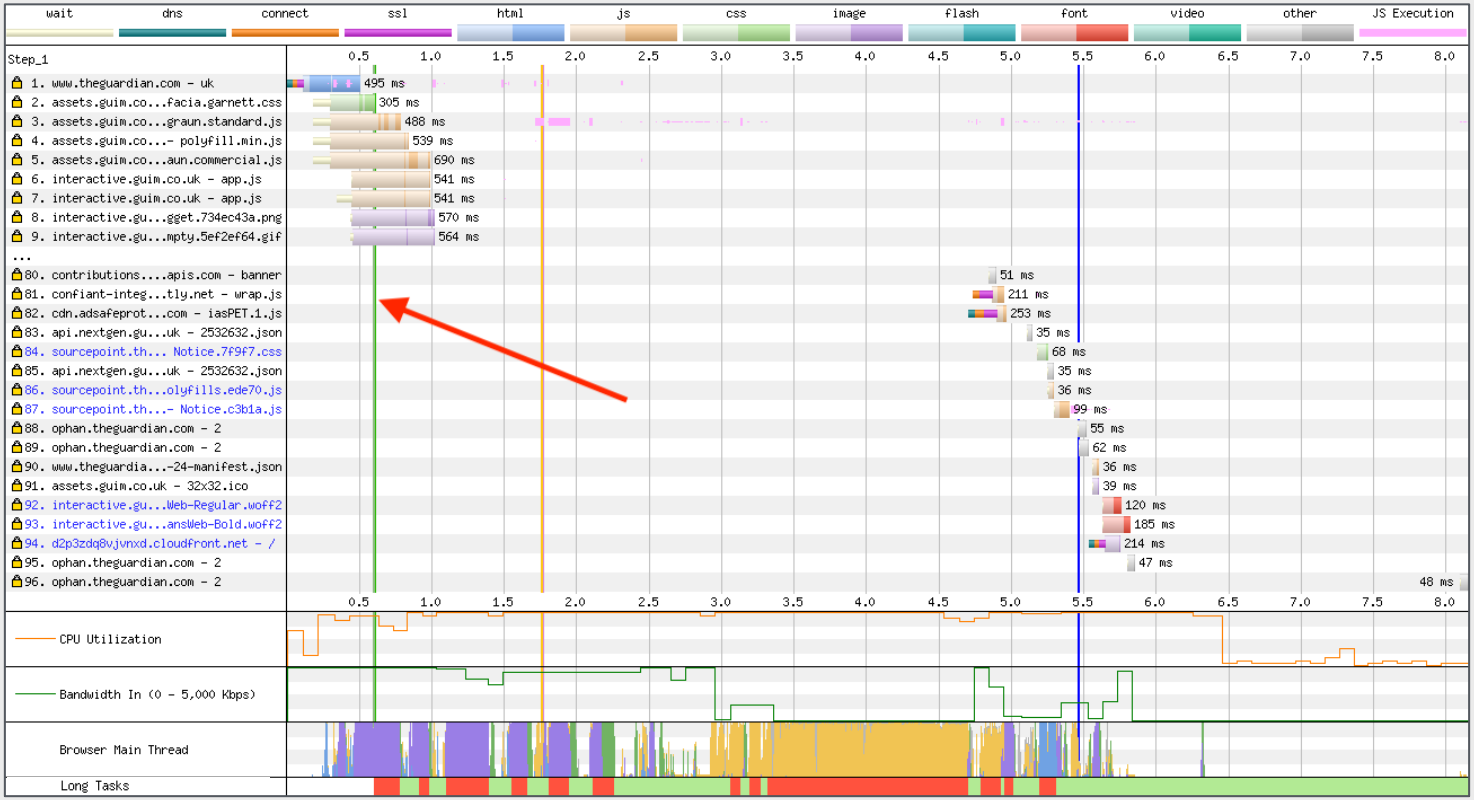
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks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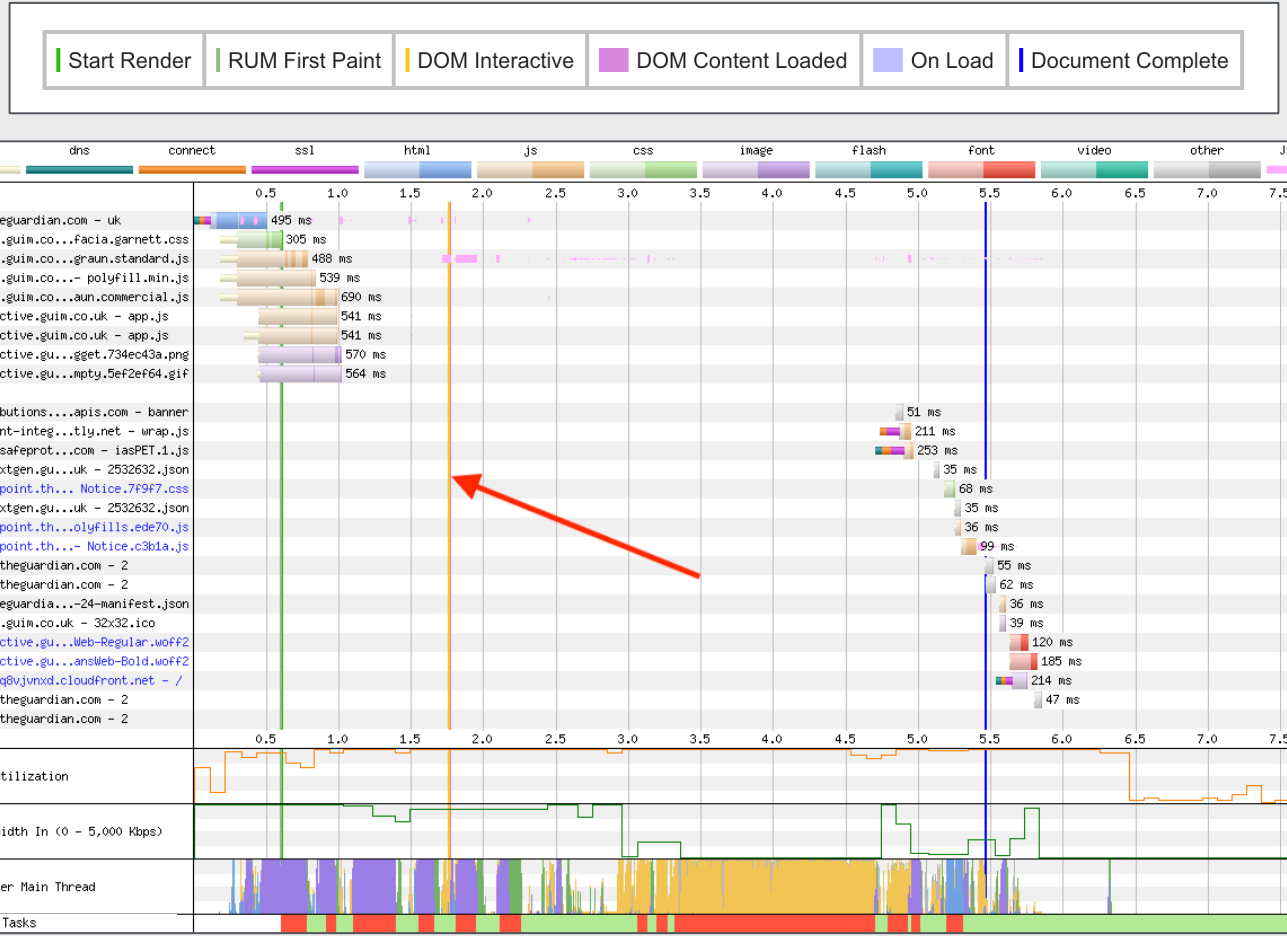
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks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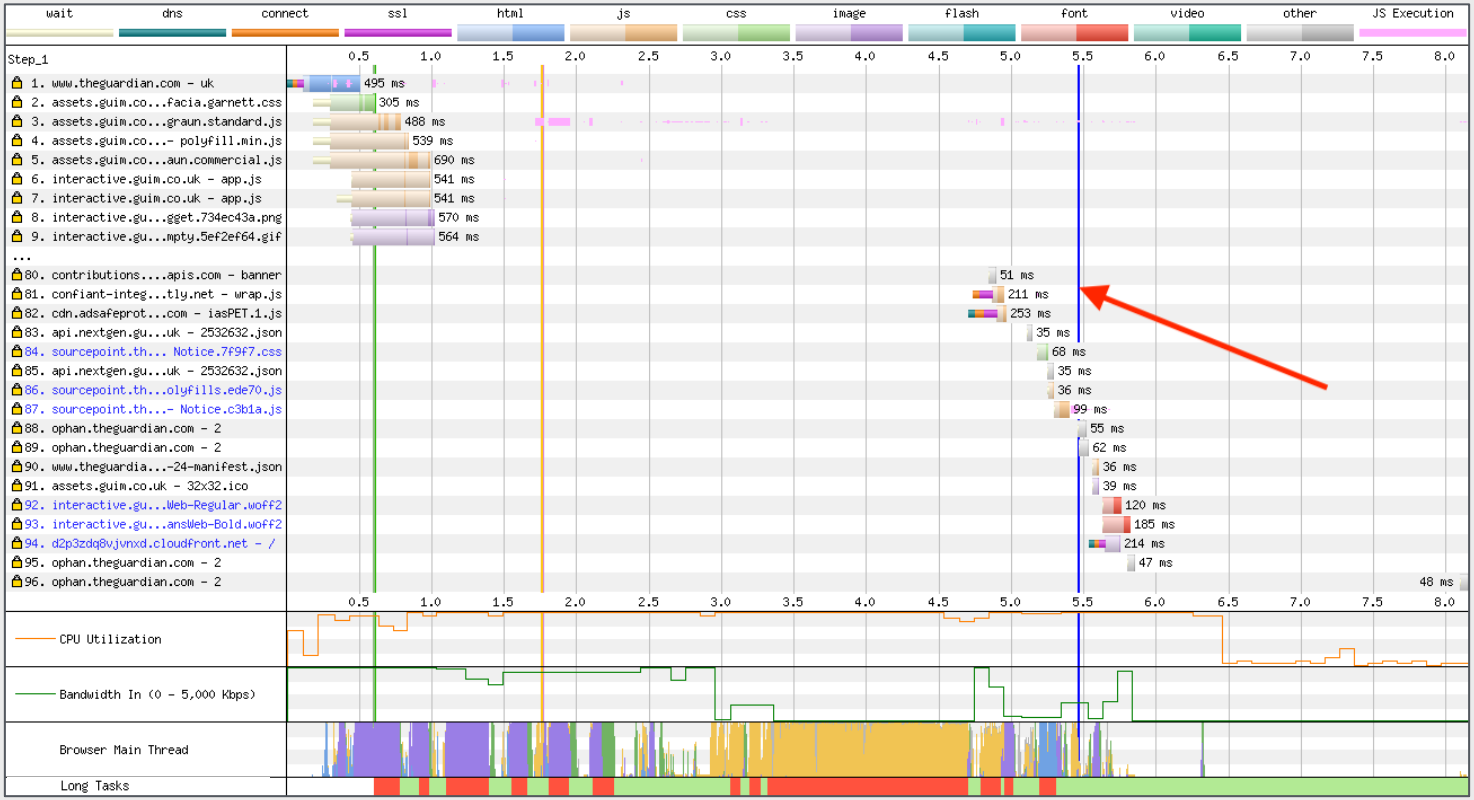
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks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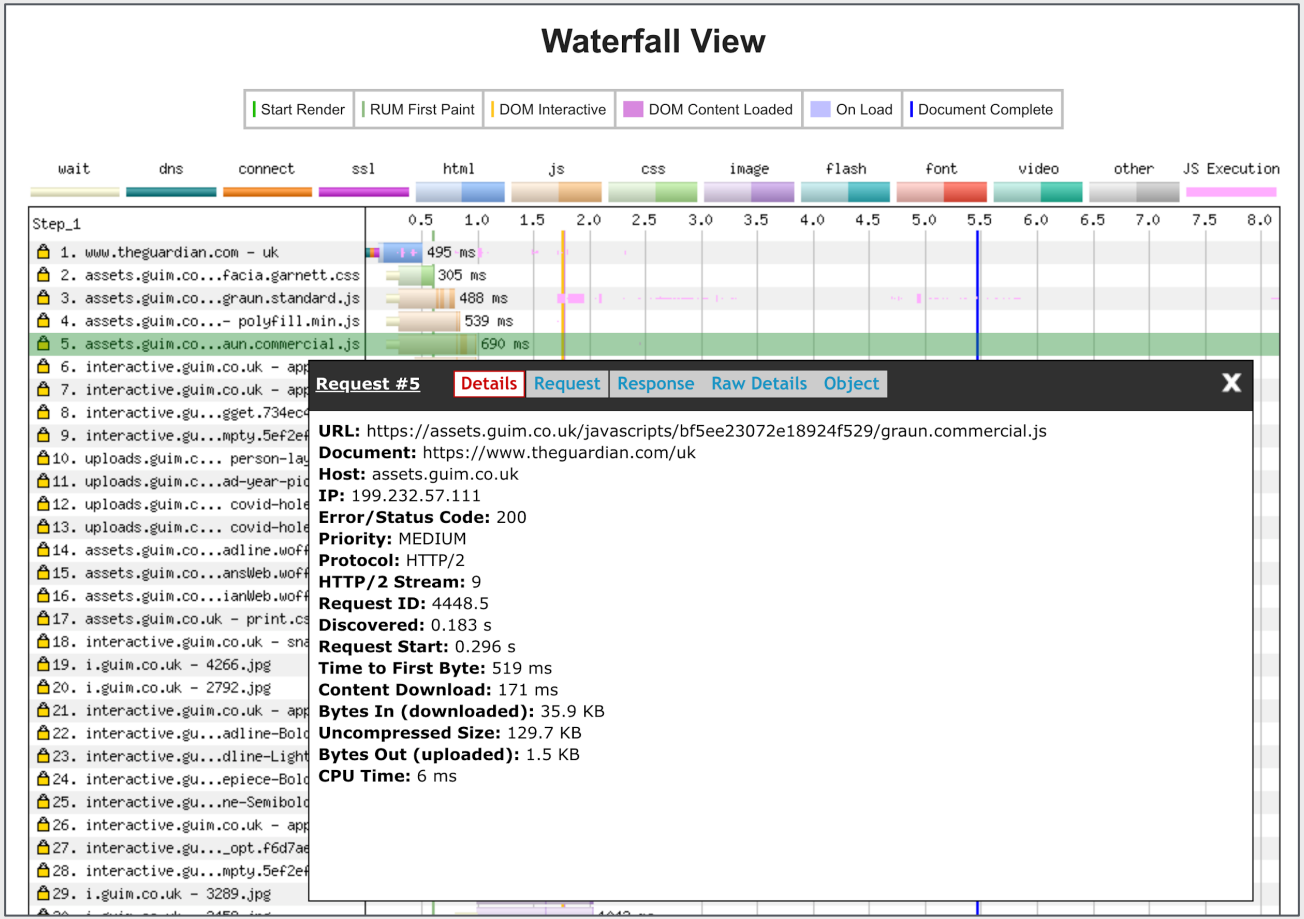
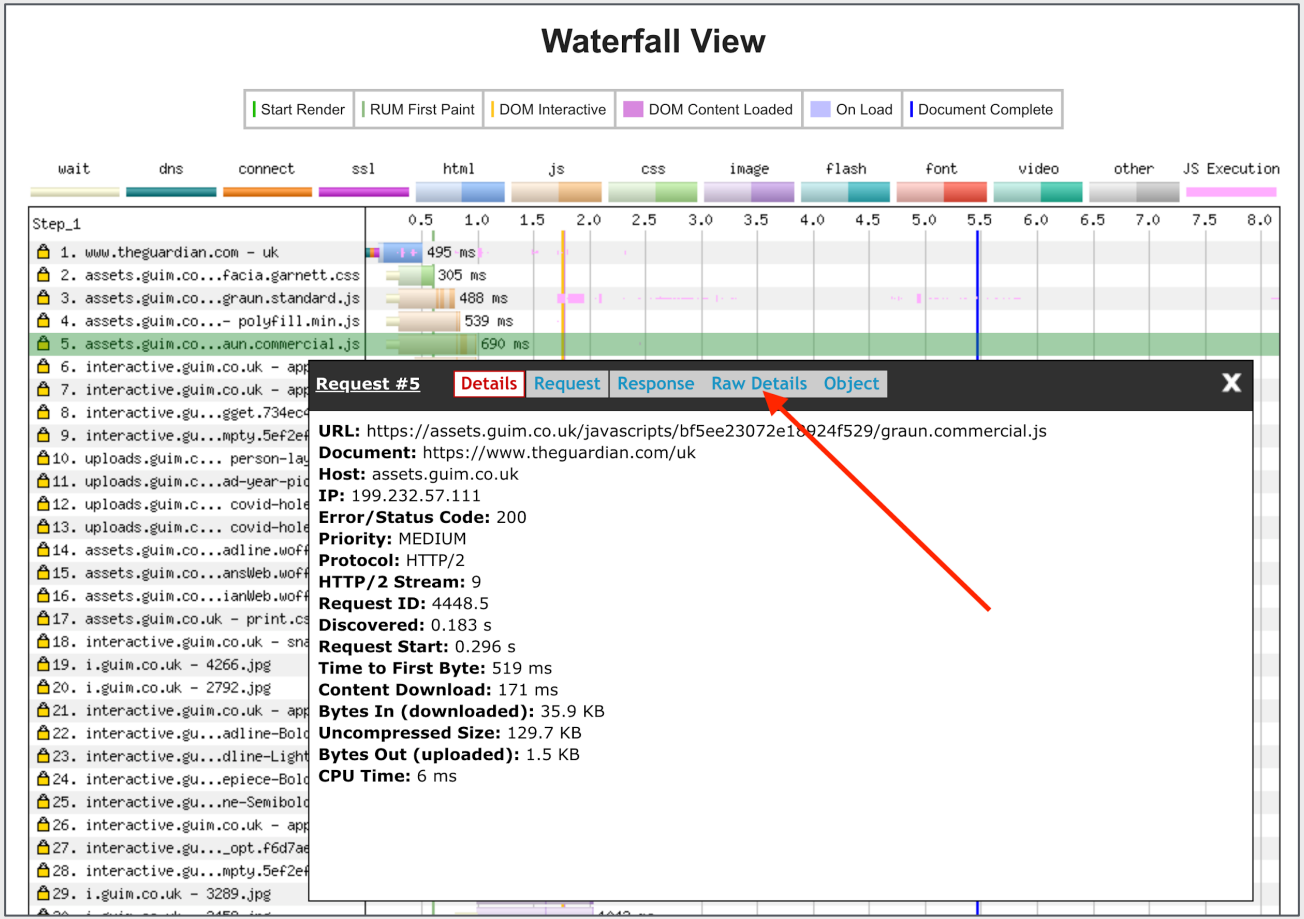
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks

Request Details

Waterfall View

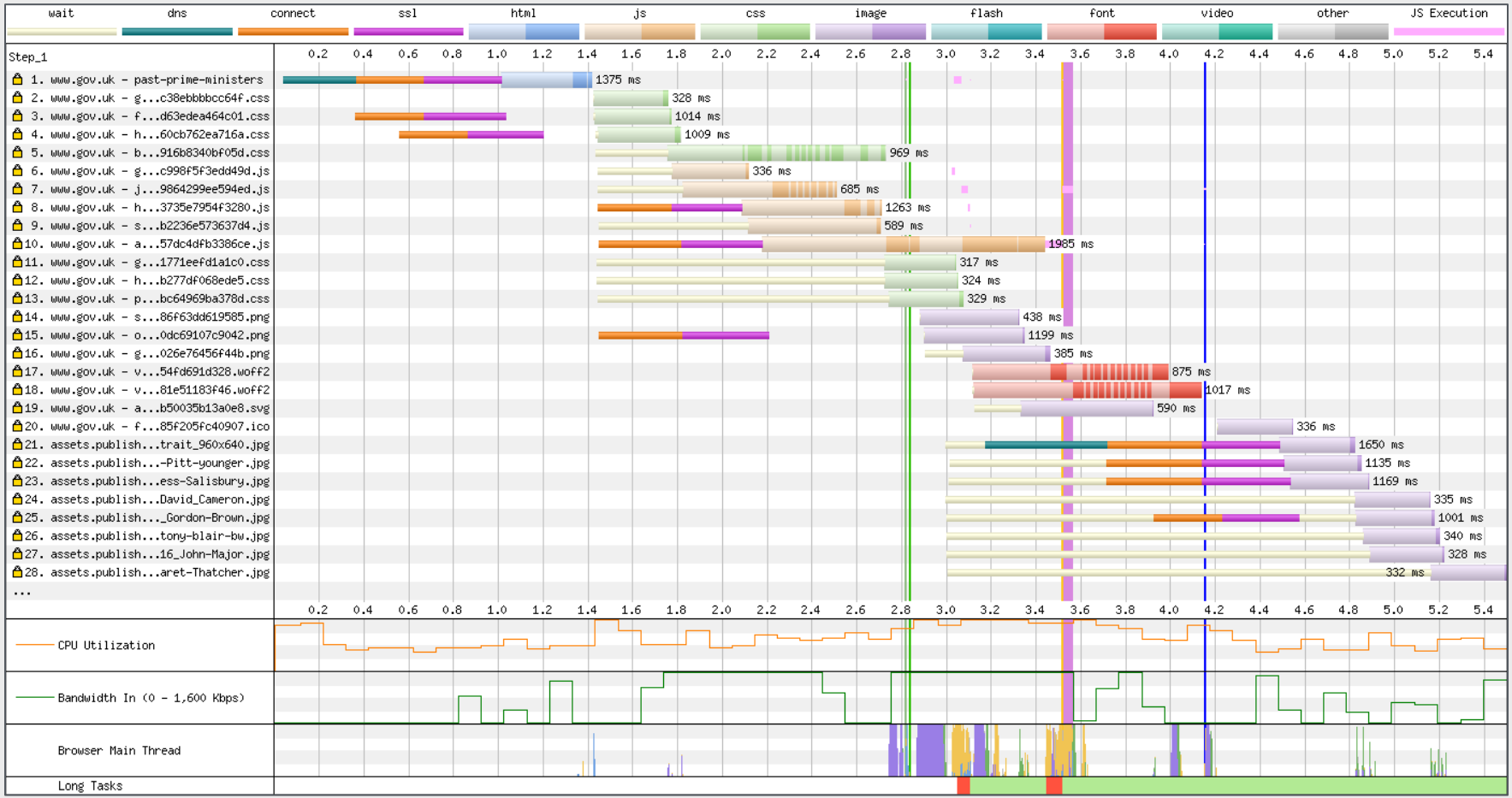


Waterfall View



Beyond the basics

HTTP/1.1 vs HTTP/2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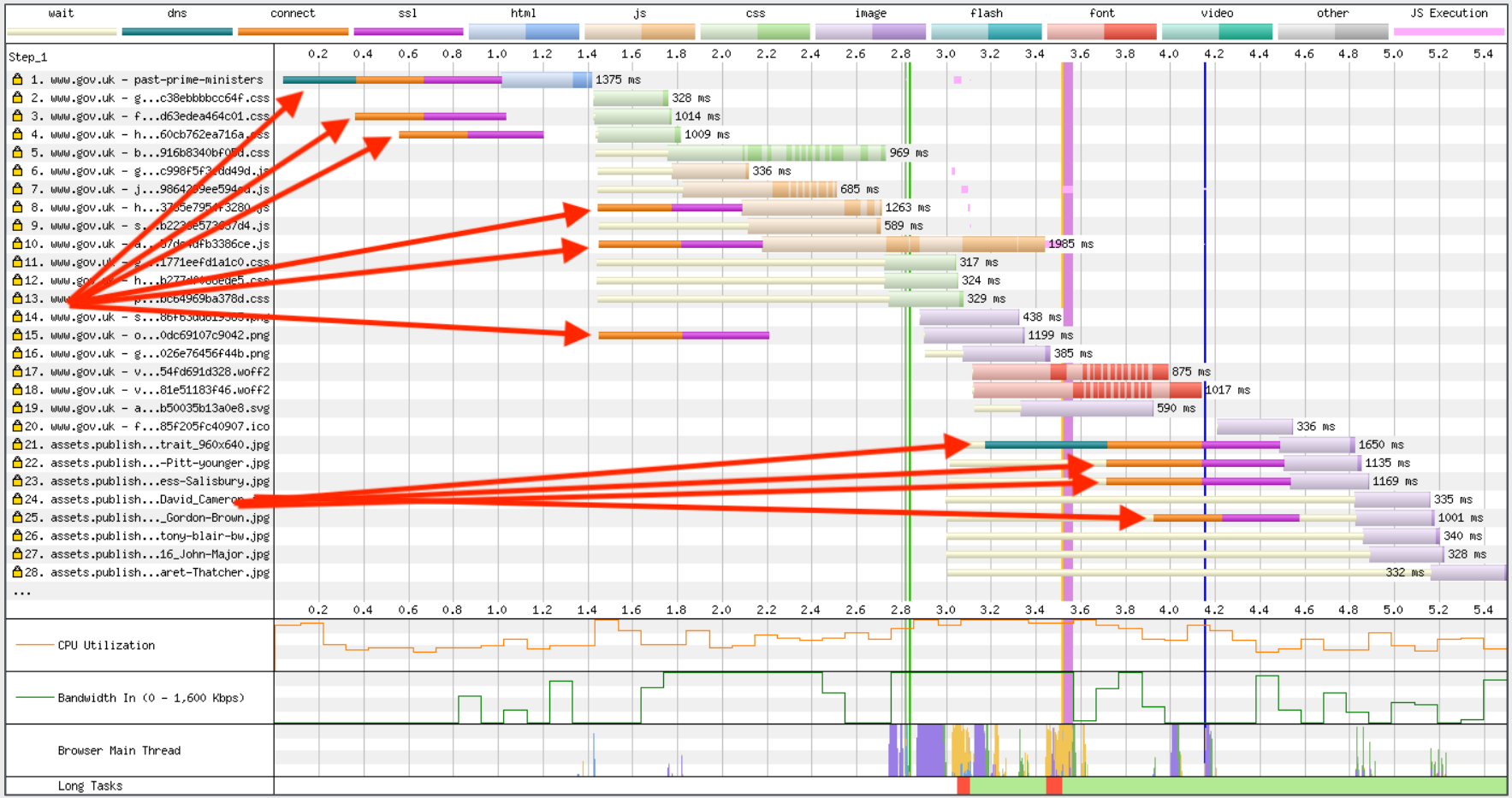
CPU Utilization
Bandwidth In (0 - 1,600 Kbps)
Browser Main Thread
Long Tasks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JS Execution
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Bandwidth In (0 - 1,600 Kbps)
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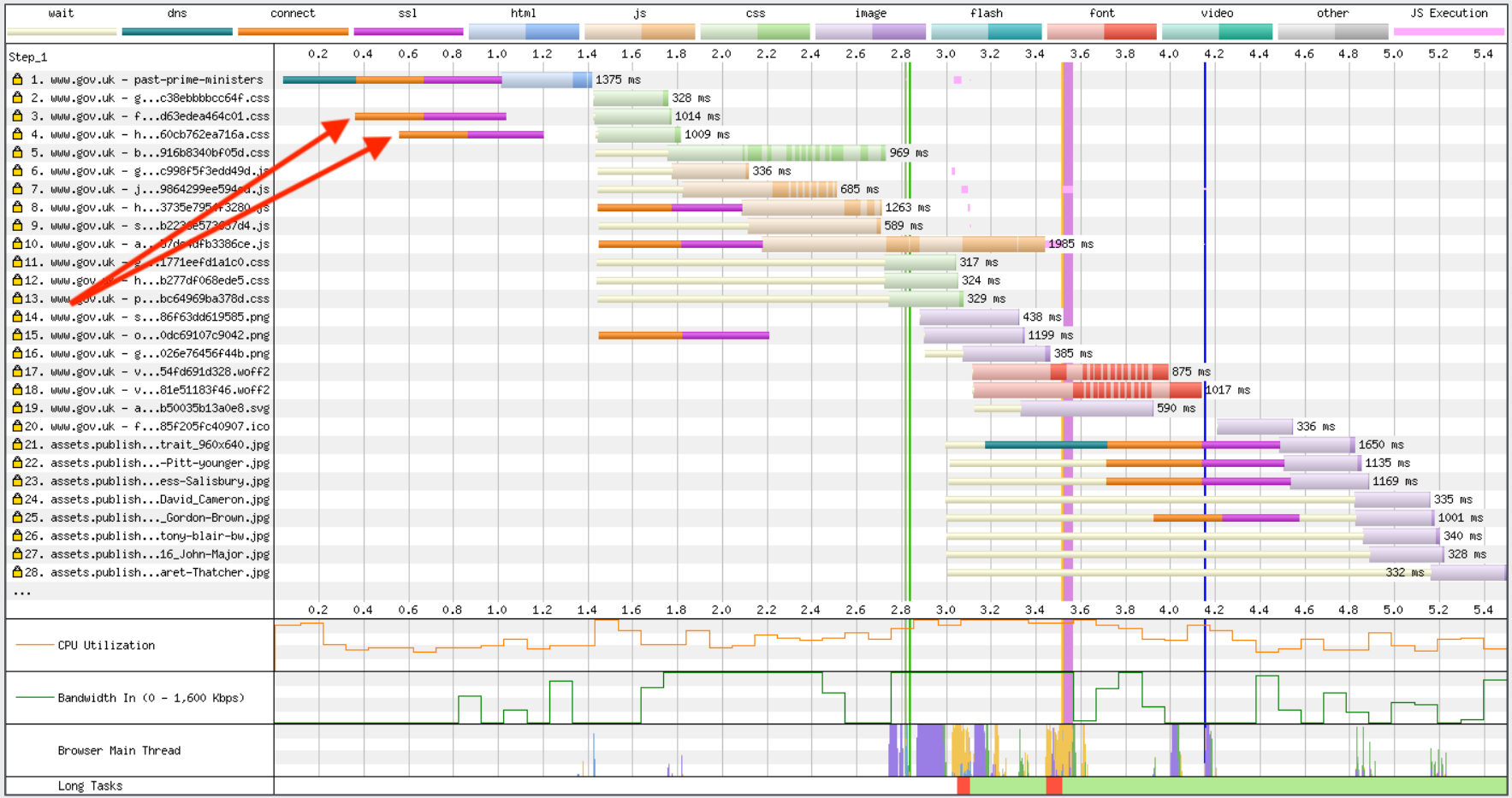
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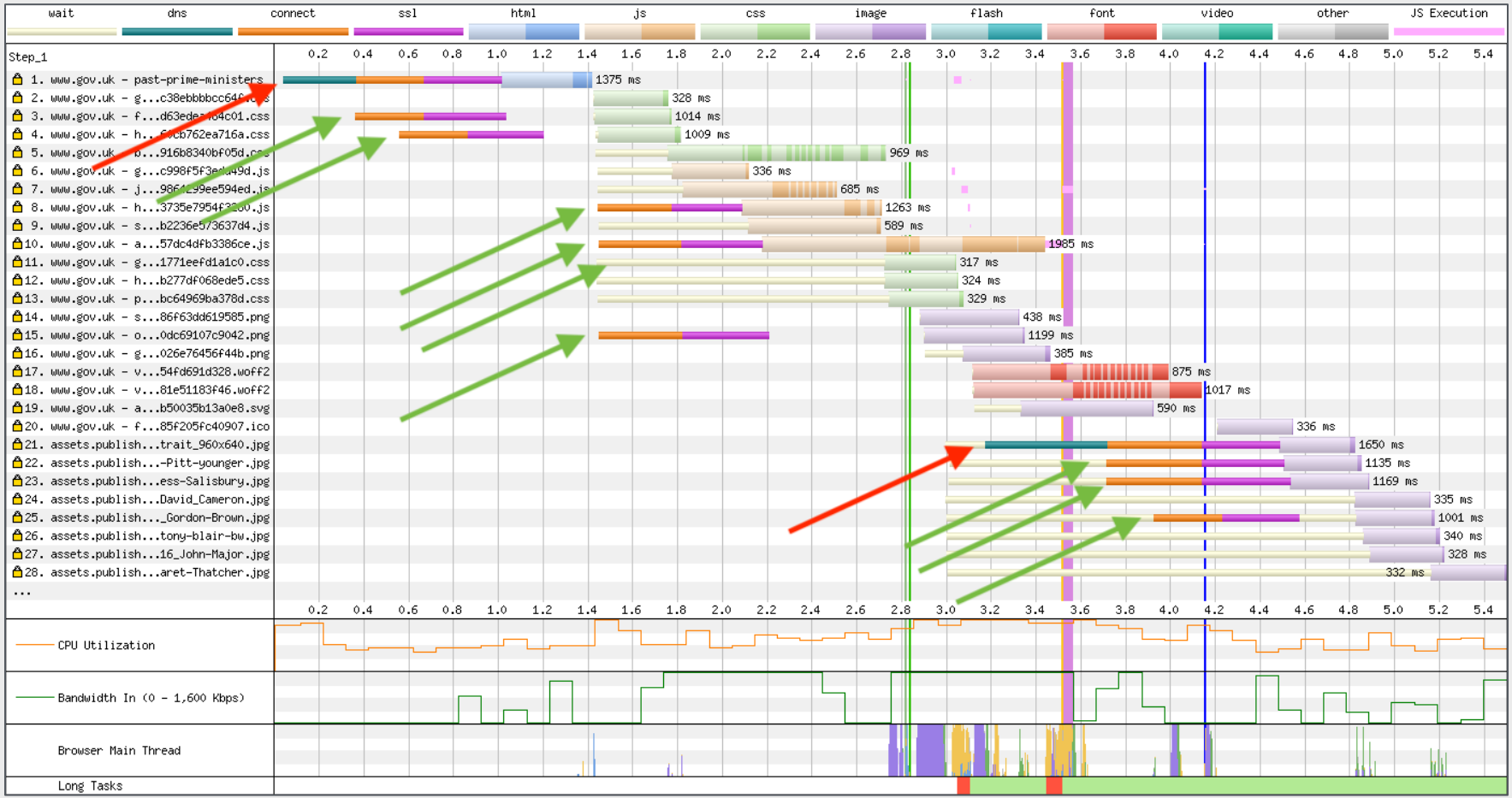
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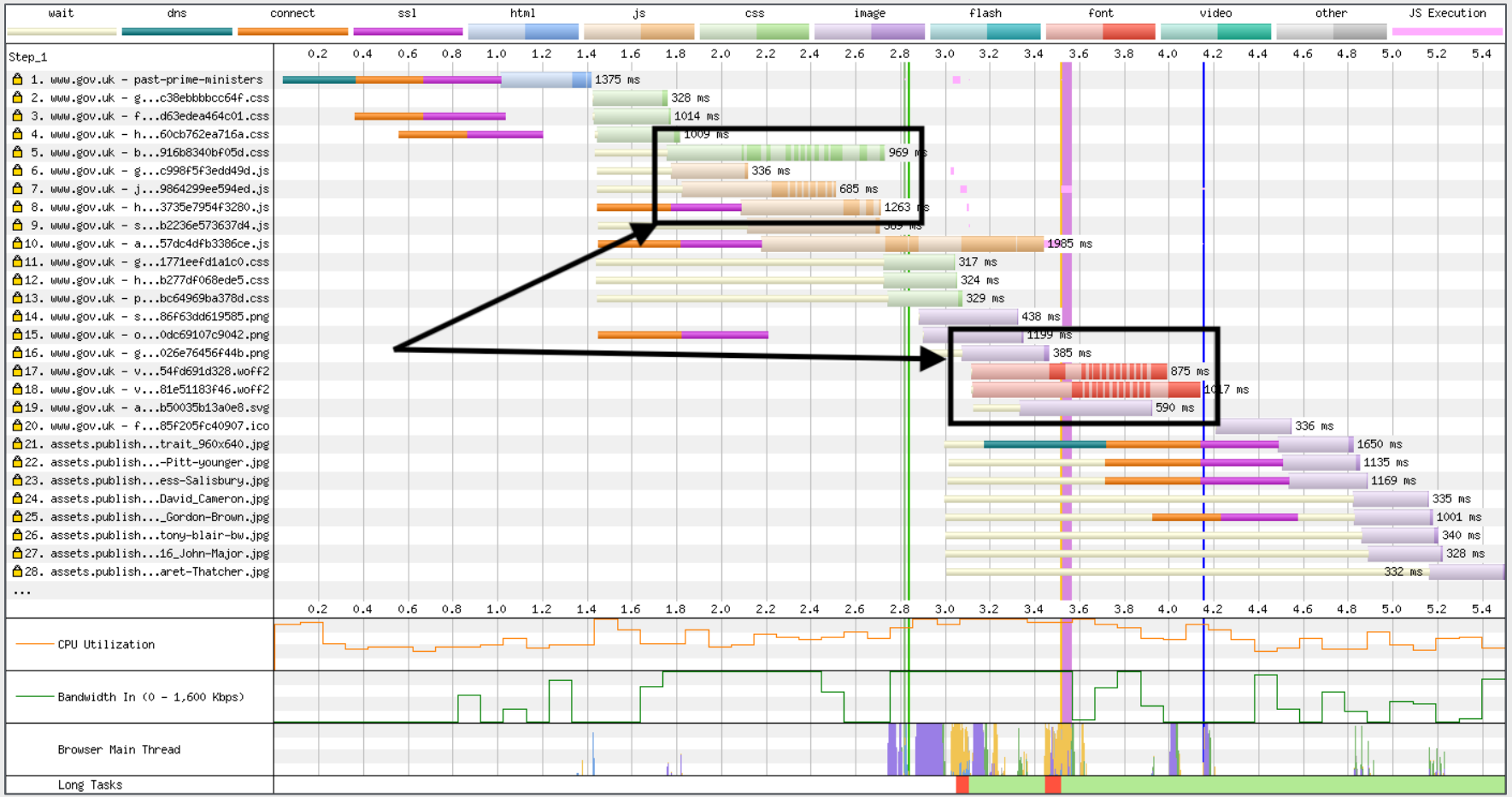
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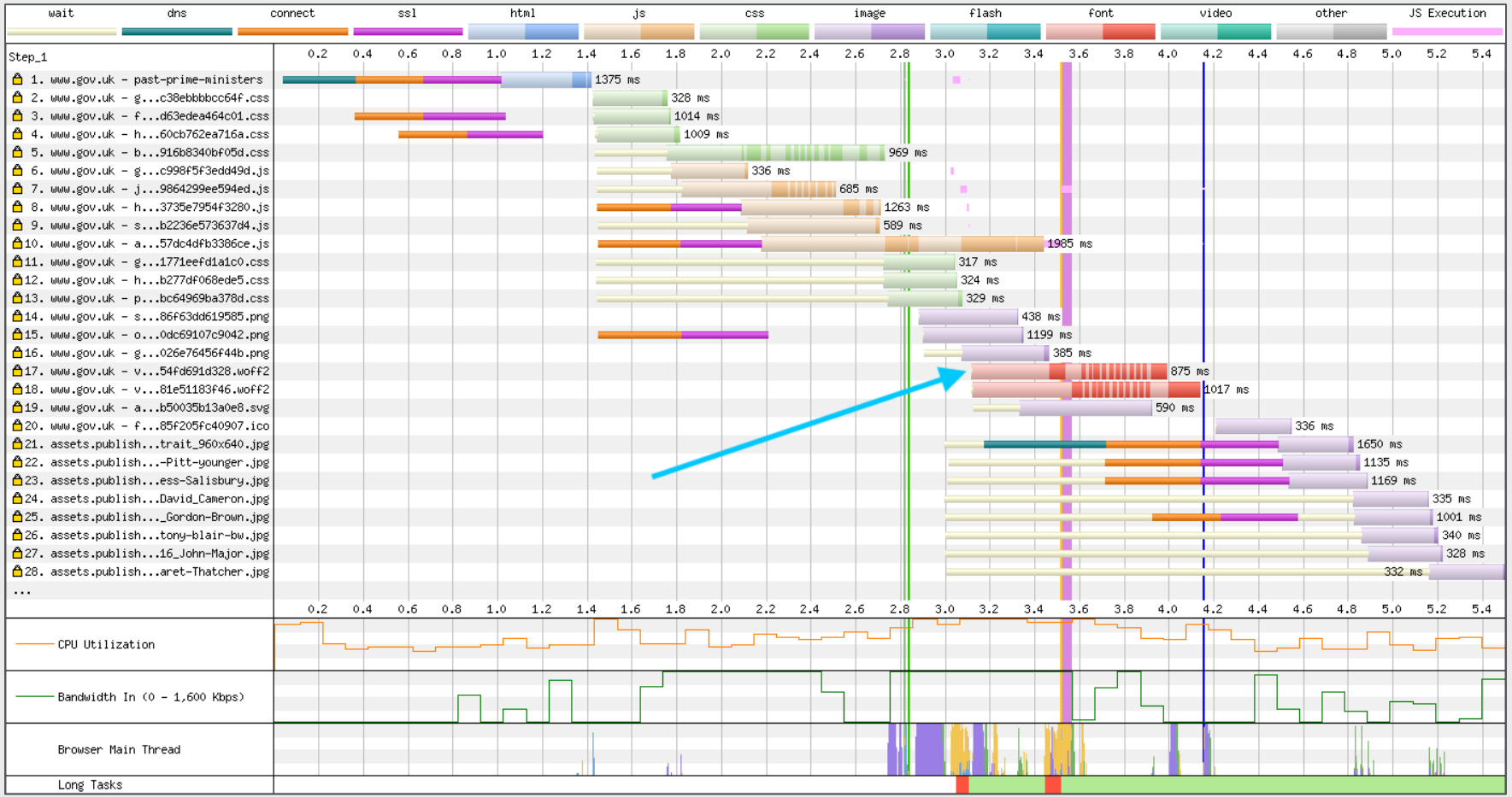
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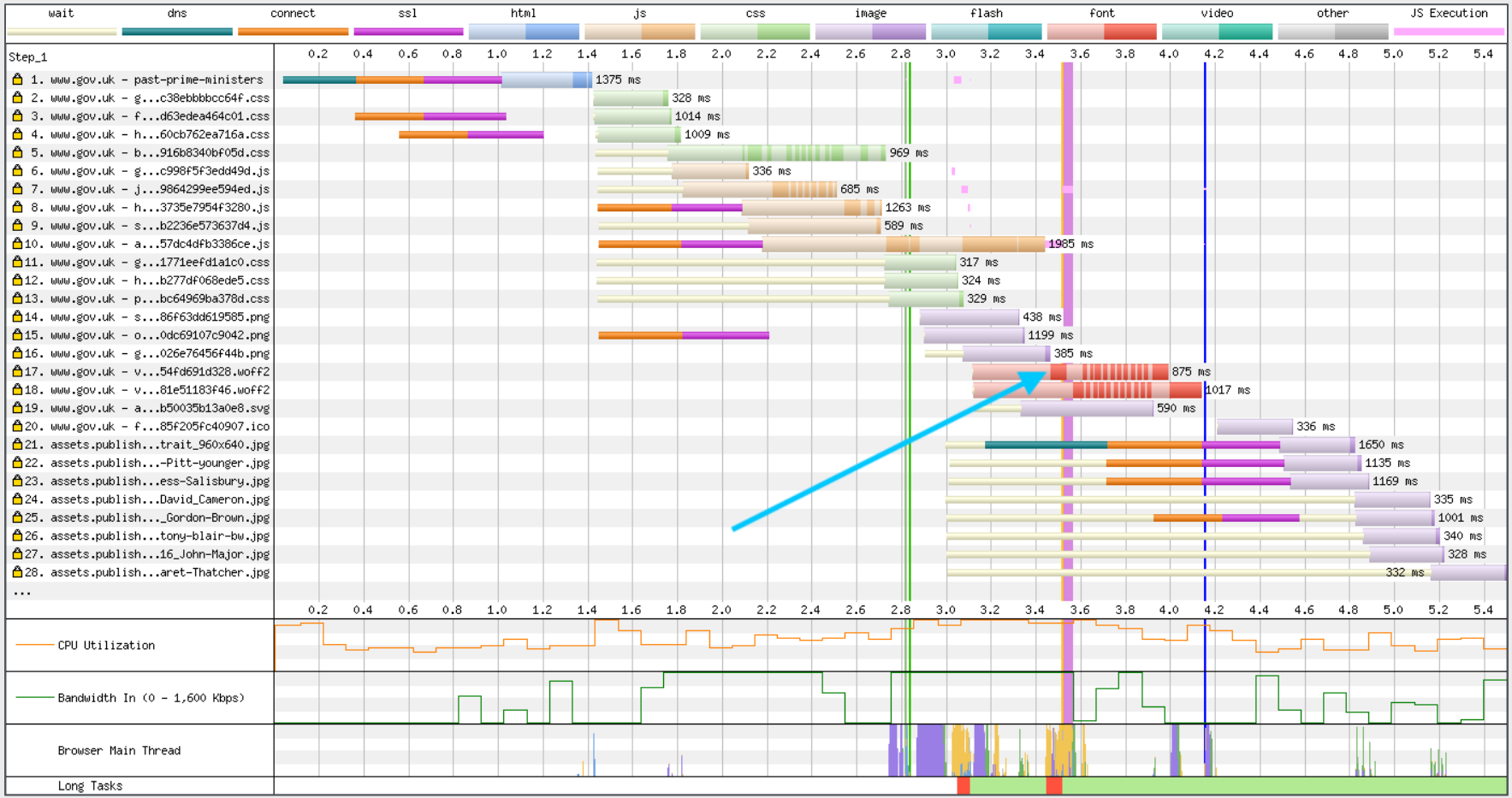
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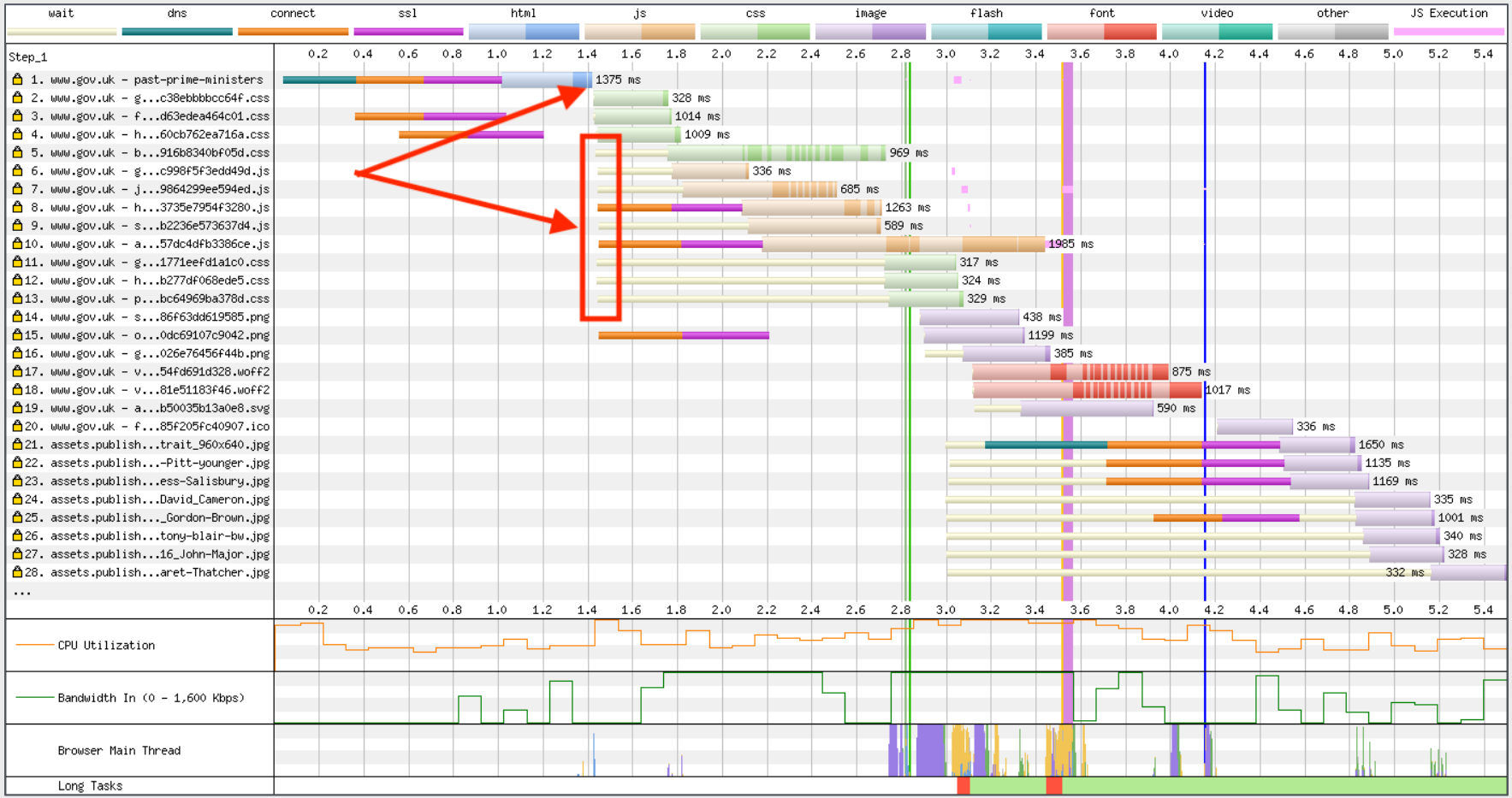
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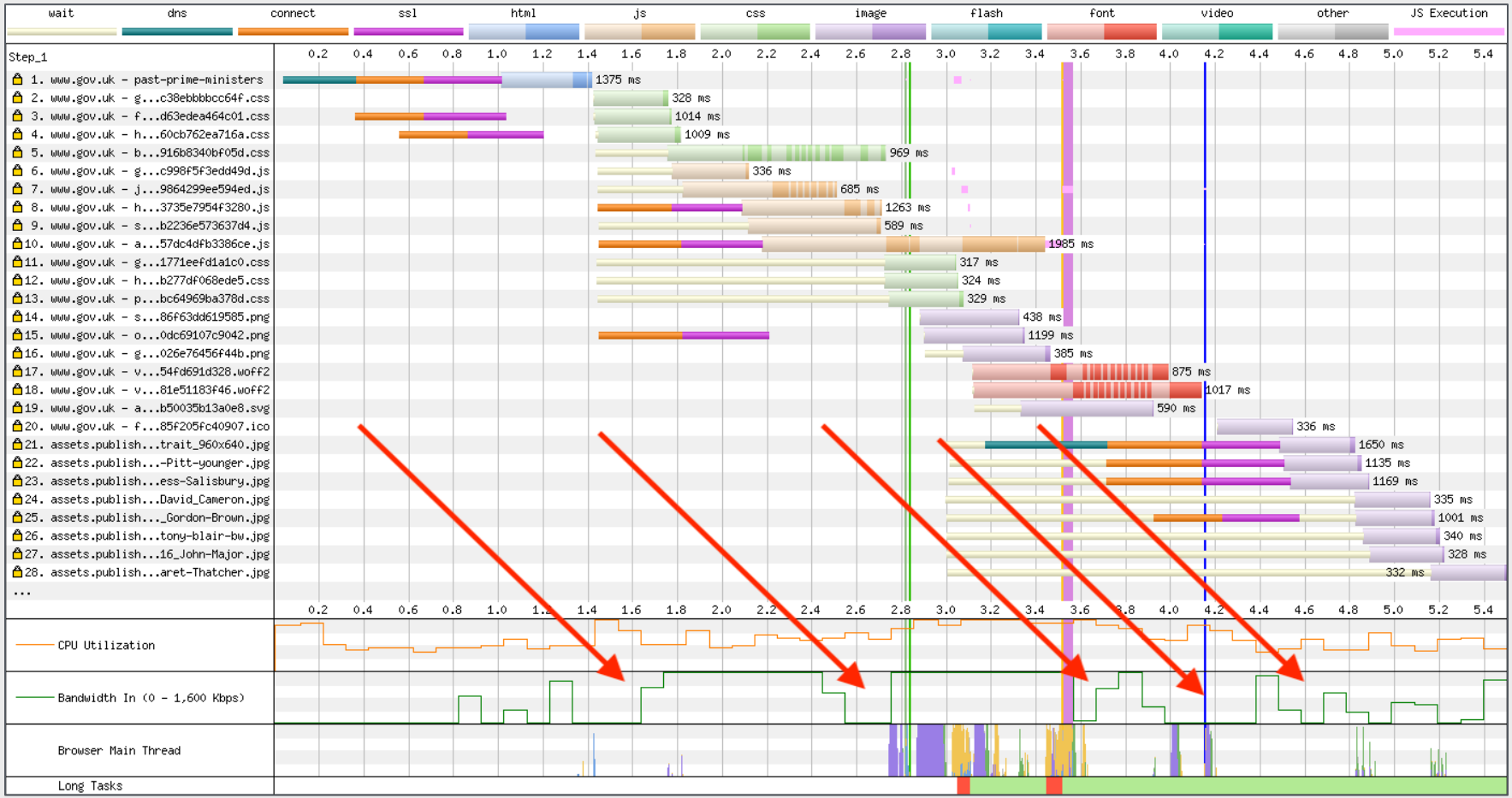
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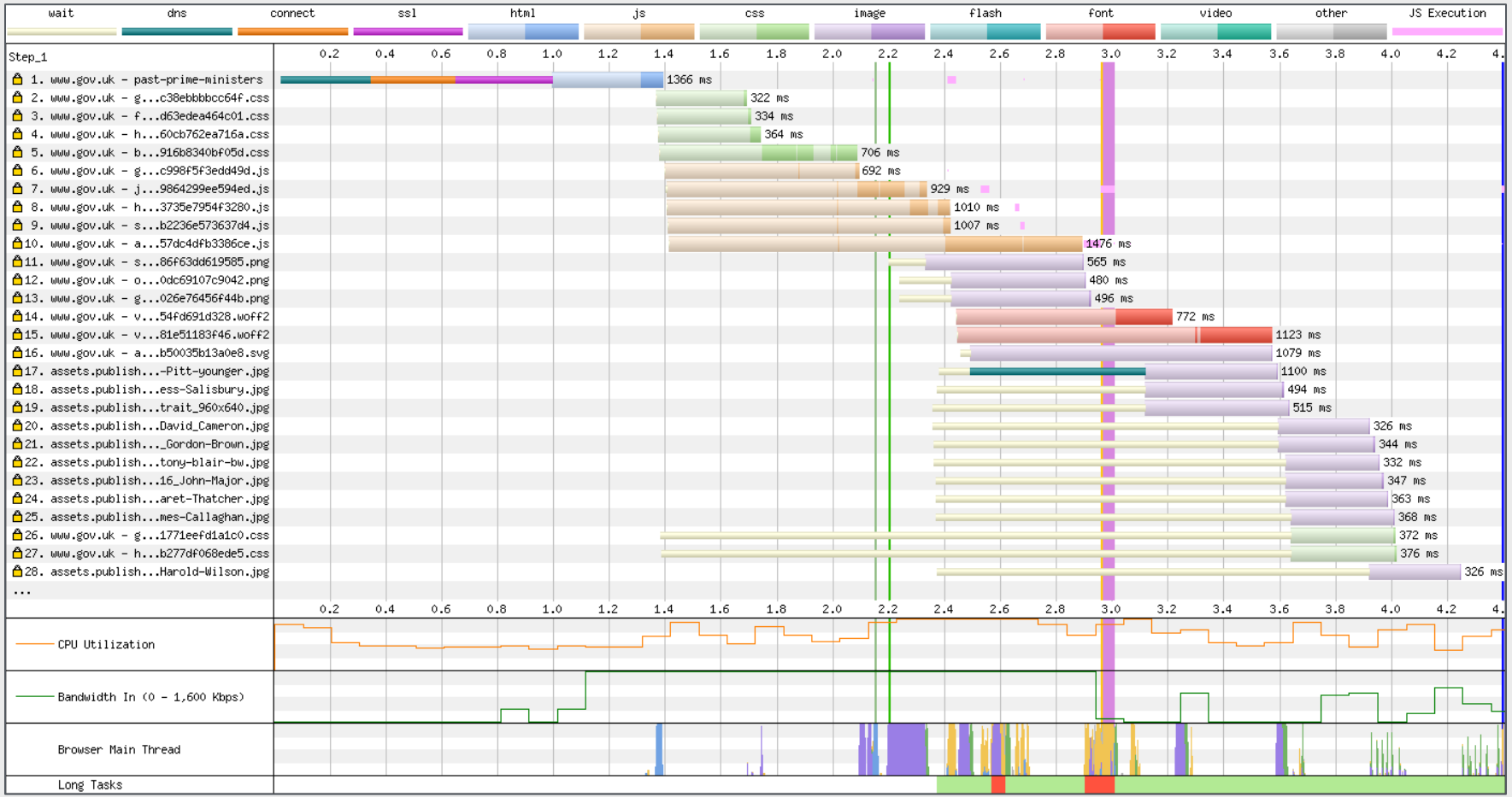
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27. www.gov.uk - h...b277df068ede5.css
28. assets.publish...Harold-Wilson.jpg
...
1366 ms
322 ms
334 ms
364 ms
706 ms
692 ms
929 ms
1010 ms
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332 ms
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368 ms
372 ms
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2.0
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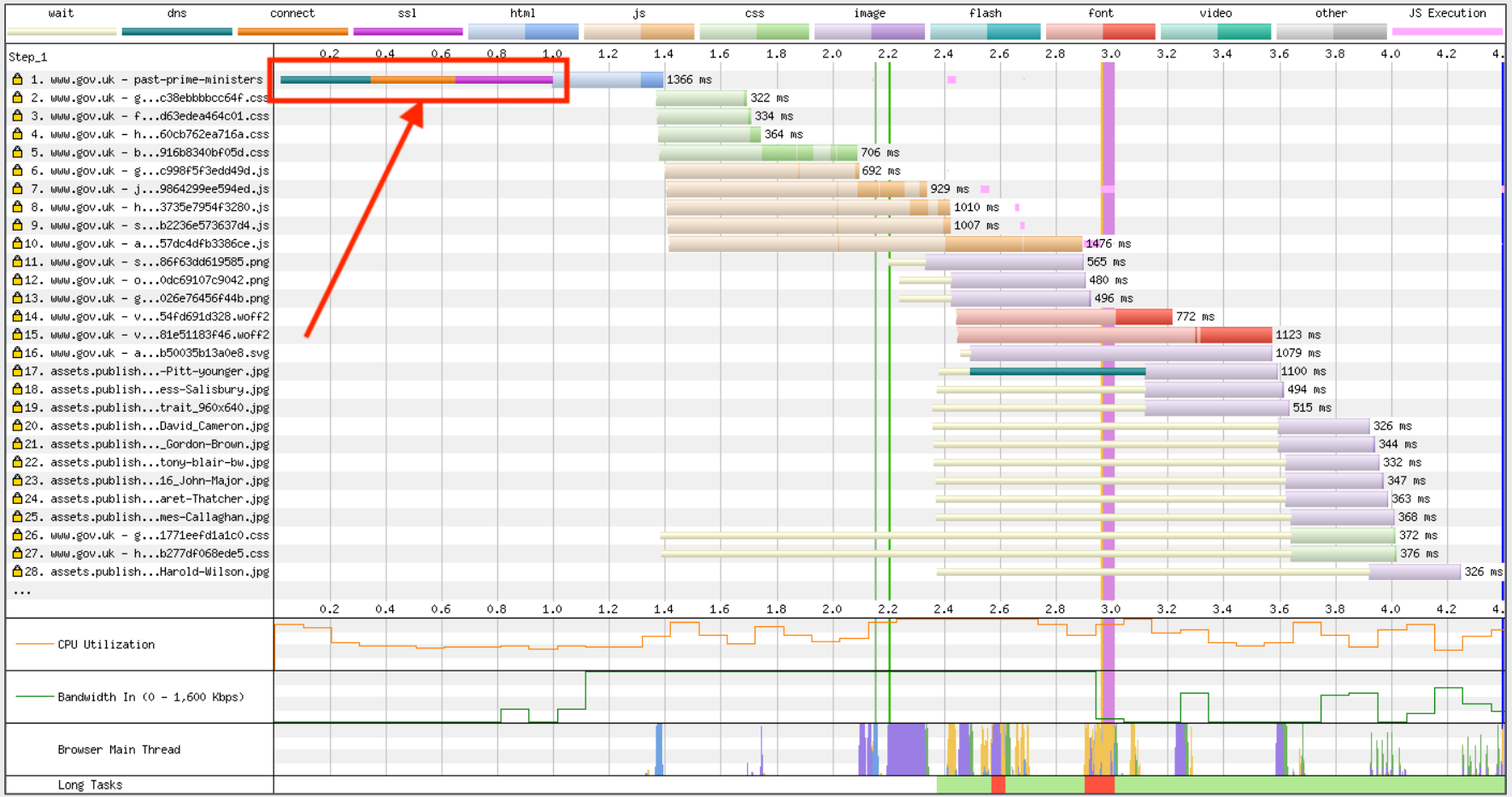
2.6
2.8
3.0
3.2
3.4
3.6
3.8
4.0
4.2
CPU Utilization
Bandwidth In (0 - 1,600 Kbps)
Browser Main Thread
Long Tasks


wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.gov.uk - past-prime-ministers
2. www.gov.uk - g...c38ebbbbcc64f.css
3. www.gov.uk - f...d63edea464c01.css
4. www.gov.uk - h...60cb762ea716a.css
5. www.gov.uk - b...916b8340bf05d.css
6. www.gov.uk - g...c998f5f3edd49d.js
7. www.gov.uk - j...9864299ee594ed.js
8. www.gov.uk - h...3735e7954f3280.js
9. www.gov.uk - s...b2236e573637d4.js
10. www.gov.uk - a...57dc4dfb3386ce.js
11. www.gov.uk - s...86f63dd619585.png
12. www.gov.uk - o...0dc69107c9042.png
13. www.gov.uk - g...026e76456f44b.png
14. www.gov.uk - v...54fd691d328.woff2
15. www.gov.uk - v...81e51183f46.woff2
16. www.gov.uk - a...b50035b13a0e8.svg
17. assets.publish...-Pitt-younger.jpg
18. assets.publish...ess-Salisbury.jpg
19. assets.publish...trait_960x640.jpg
20. assets.publish...David_Cameron.jpg
21. assets.publish..._Gordon-Brown.jpg
22. assets.publish...tony-blair-bw.jpg
23. assets.publish...16_John-Major.jpg
24. assets.publish...aret-Thatcher.jpg
25. assets.publish...mes-Callaghan.jpg
26. www.gov.uk - g...1771eefd1a1c0.css
27. www.gov.uk - h...b277df068ede5.css
28. assets.publish...Harold-Wilson.jpg
...
1366 ms
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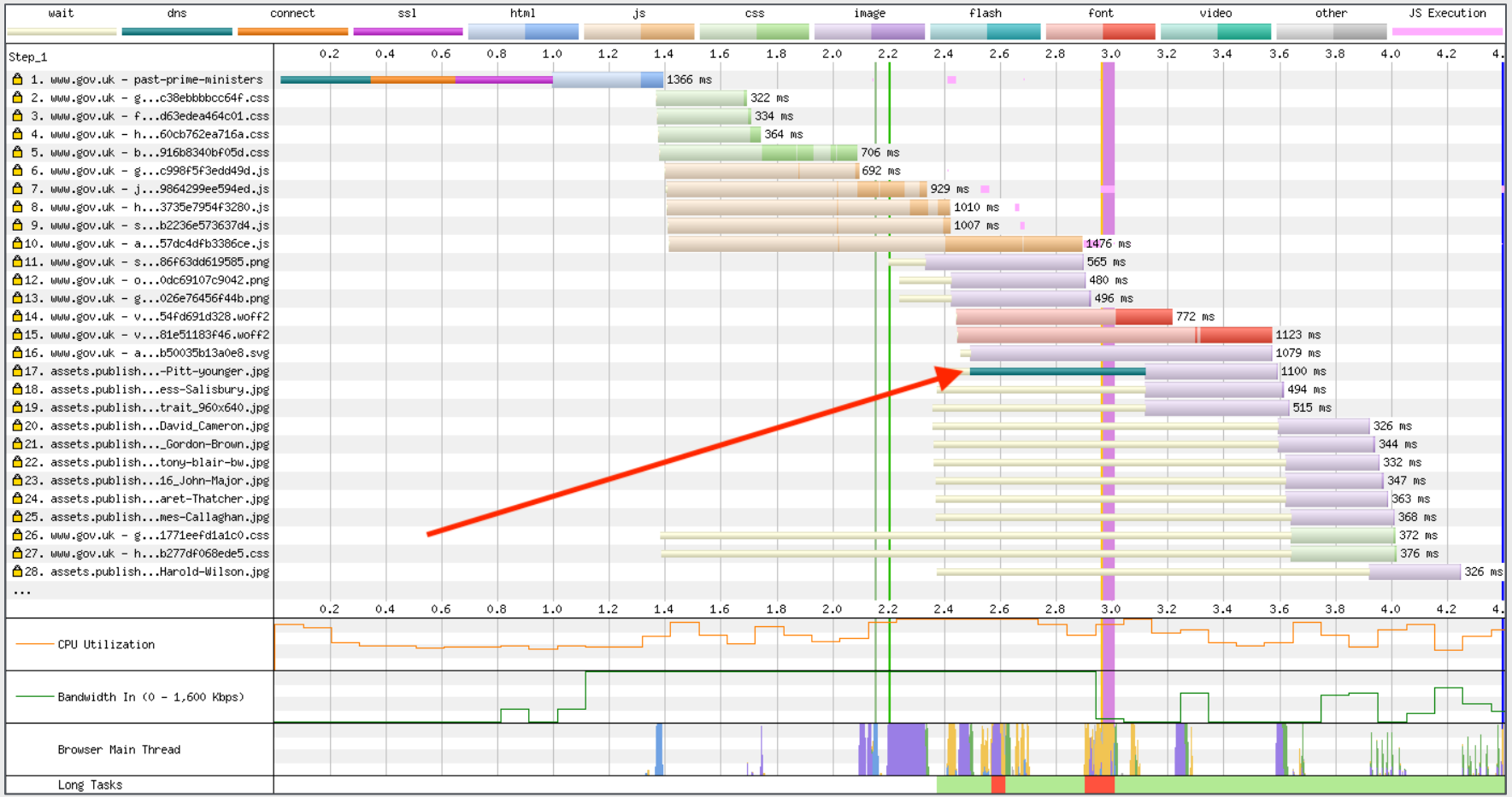
3.0
3.2
3.4
3.6
3.8
4.0
4.2
CPU Utilization
Bandwidth In (0 - 1,600 Kbps)
Browser Main Thread
Long Tasks


wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.gov.uk - past-prime-ministers
2. www.gov.uk - g...c38ebbbbcc64f.css
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5. www.gov.uk - b...916b8340bf05d.css
6. www.gov.uk - g...c998f5f3edd49d.js
7. www.gov.uk - j...9864299ee594ed.js
8. www.gov.uk - h...3735e7954f3280.js
9. www.gov.uk - s...b2236e573637d4.js
10. www.gov.uk - a...57dc4dfb3386ce.js
11. www.gov.uk - s...86f63dd619585.png
12. www.gov.uk - o...0dc69107c9042.png
13. www.gov.uk - g...026e76456f44b.png
14. www.gov.uk - v...54fd691d328.woff2
15. www.gov.uk - v...81e51183f46.woff2
16. www.gov.uk - a...b50035b13a0e8.svg
17. assets.publish...-Pitt-younger.jpg
18. assets.publish...ess-Salisbury.jpg
19. assets.publish...trait_960x640.jpg
20. assets.publish...David_Cameron.jpg
21. assets.publish..._Gordon-Brown.jpg
22. assets.publish...tony-blair-bw.jpg
23. assets.publish...16_John-Major.jpg
24. assets.publish...aret-Thatcher.jpg
25. assets.publish...mes-Callaghan.jpg
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...
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2
1366 ms
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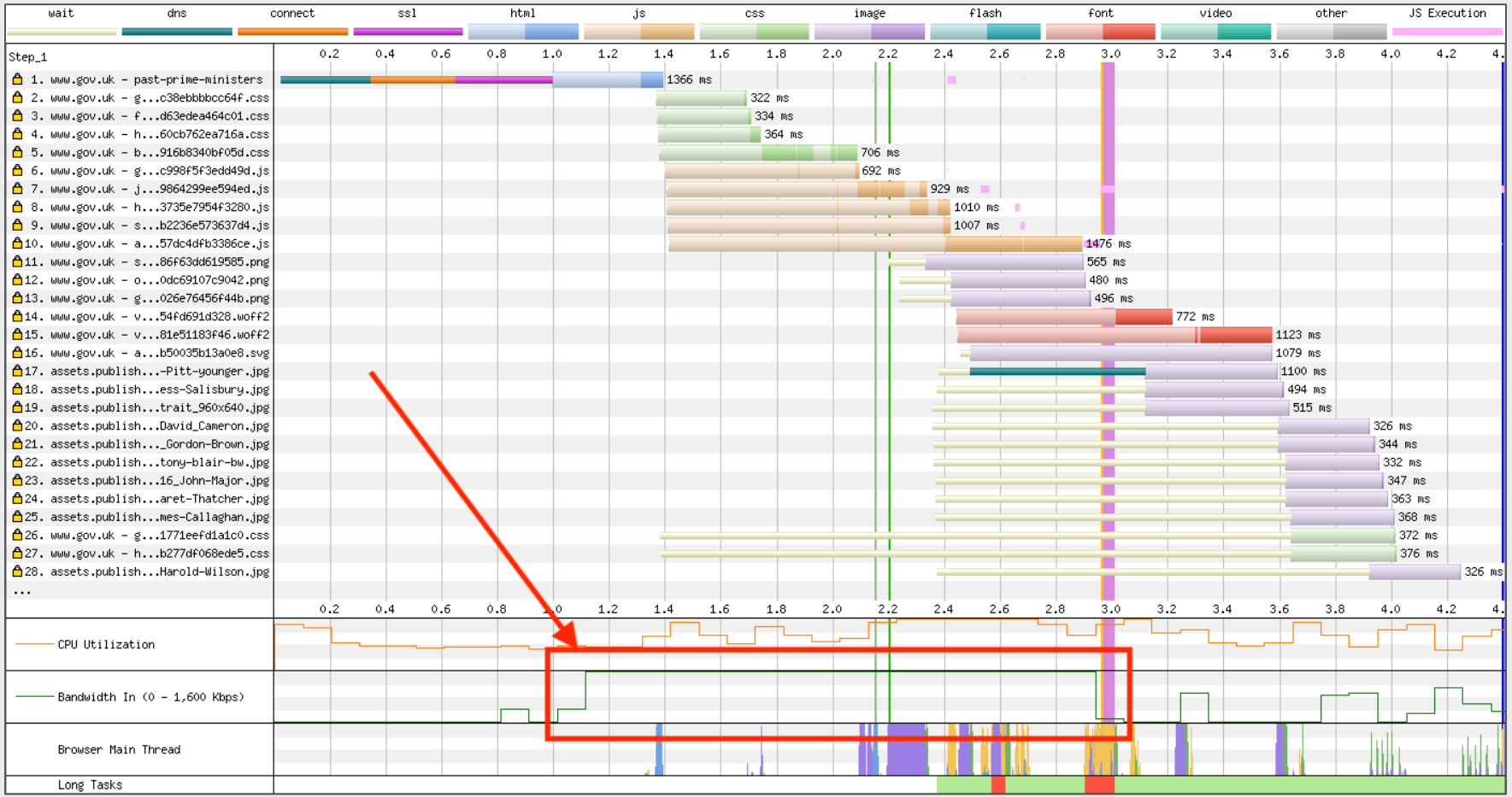
326 ms
CPU Utilization
Bandwidth In (0 - 1,600 Kbps)
Browser Main Thread
Long Tasks


wait
dns
connect
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html
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image
flash
font
video
other
JS Execution
Step_1
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5. www.gov.uk - b...916b8340bf05d.css
6. www.gov.uk - g...c998f5f3edd49d.js
7. www.gov.uk - j...9864299ee594ed.js
8. www.gov.uk - h...3735e7954f3280.js
9. www.gov.uk - s...b2236e573637d4.js
10. www.gov.uk - a...57dc4dfb3386ce.js
11. www.gov.uk - s...86f63dd619585.png
12. www.gov.uk - o...0dc69107c9042.png
13. www.gov.uk - g...026e76456f44b.png
14. www.gov.uk - v...54fd691d328.woff2
15. www.gov.uk - v...81e51183f46.woff2
16. www.gov.uk - a...b50035b13a0e8.svg
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24. assets.publish...aret-Thatcher.jpg
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1366 ms
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376 ms
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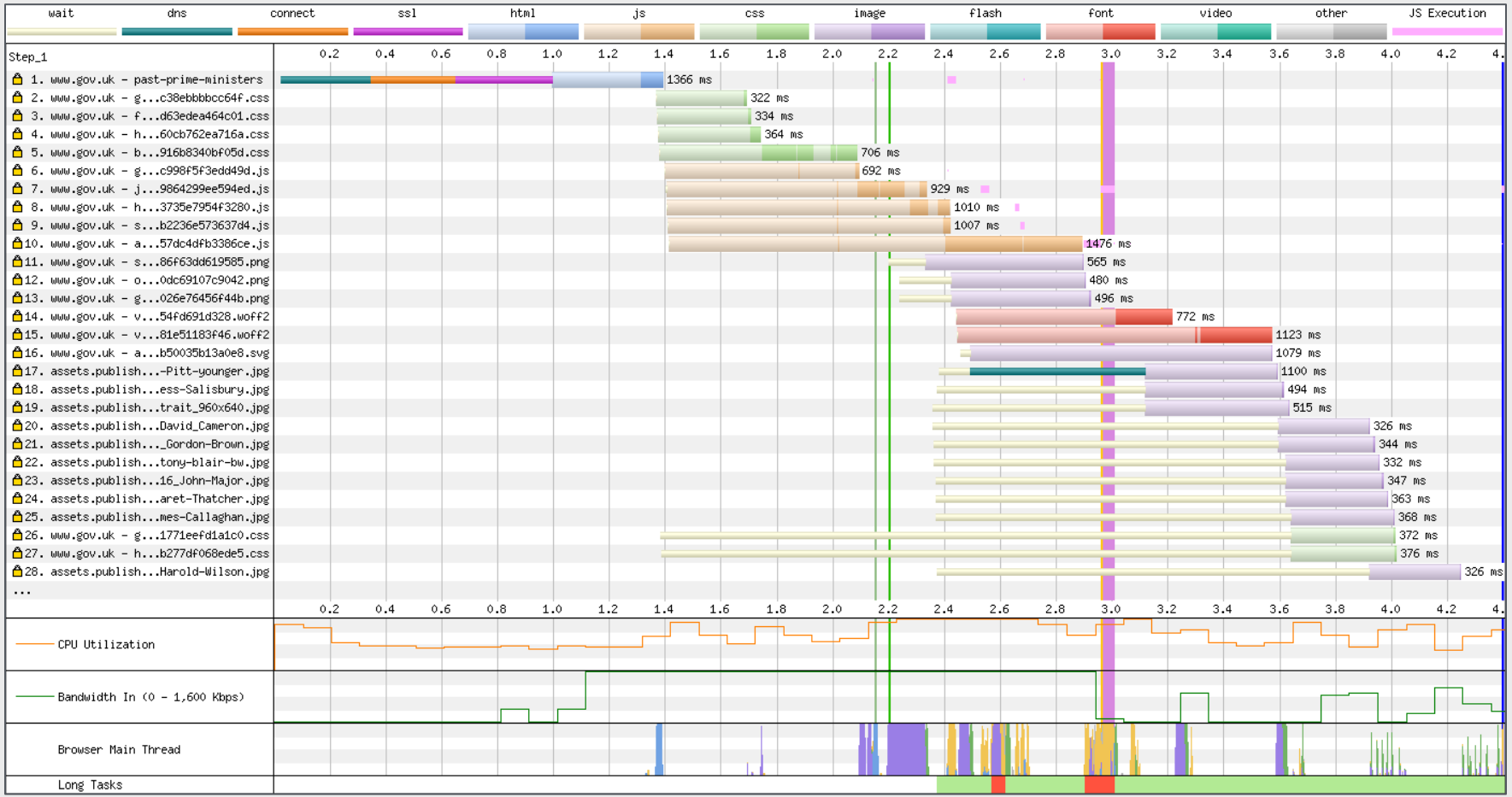
CPU Utilization
Bandwidth In (0 - 1,600 Kbps)
Browser Main Thread
Long Tasks


wait
dns
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video
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3. www.gov.uk - f...d63edea464c01.css
4. www.gov.uk - h...60cb762ea716a.css
5. www.gov.uk - b...916b8340bf05d.css
6. www.gov.uk - g...c998f5f3edd49d.js
7. www.gov.uk - j...9864299ee594ed.js
8. www.gov.uk - h...3735e7954f3280.js
9. www.gov.uk - s...b2236e573637d4.js
10. www.gov.uk - a...57dc4dfb3386ce.js
11. www.gov.uk - s...86f63dd619585.png
12. www.gov.uk - o...0dc69107c9042.png
13. www.gov.uk - g...026e76456f44b.png
14. www.gov.uk - v...54fd691d328.woff2
15. www.gov.uk - v...81e51183f46.woff2
16. www.gov.uk - a...b50035b13a0e8.svg
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22. assets.publish...tony-blair-bw.jpg
23. assets.publish...16_John-Major.jpg
24. assets.publish...aret-Thatcher.jpg
25. assets.publish...mes-Callaghan.jpg
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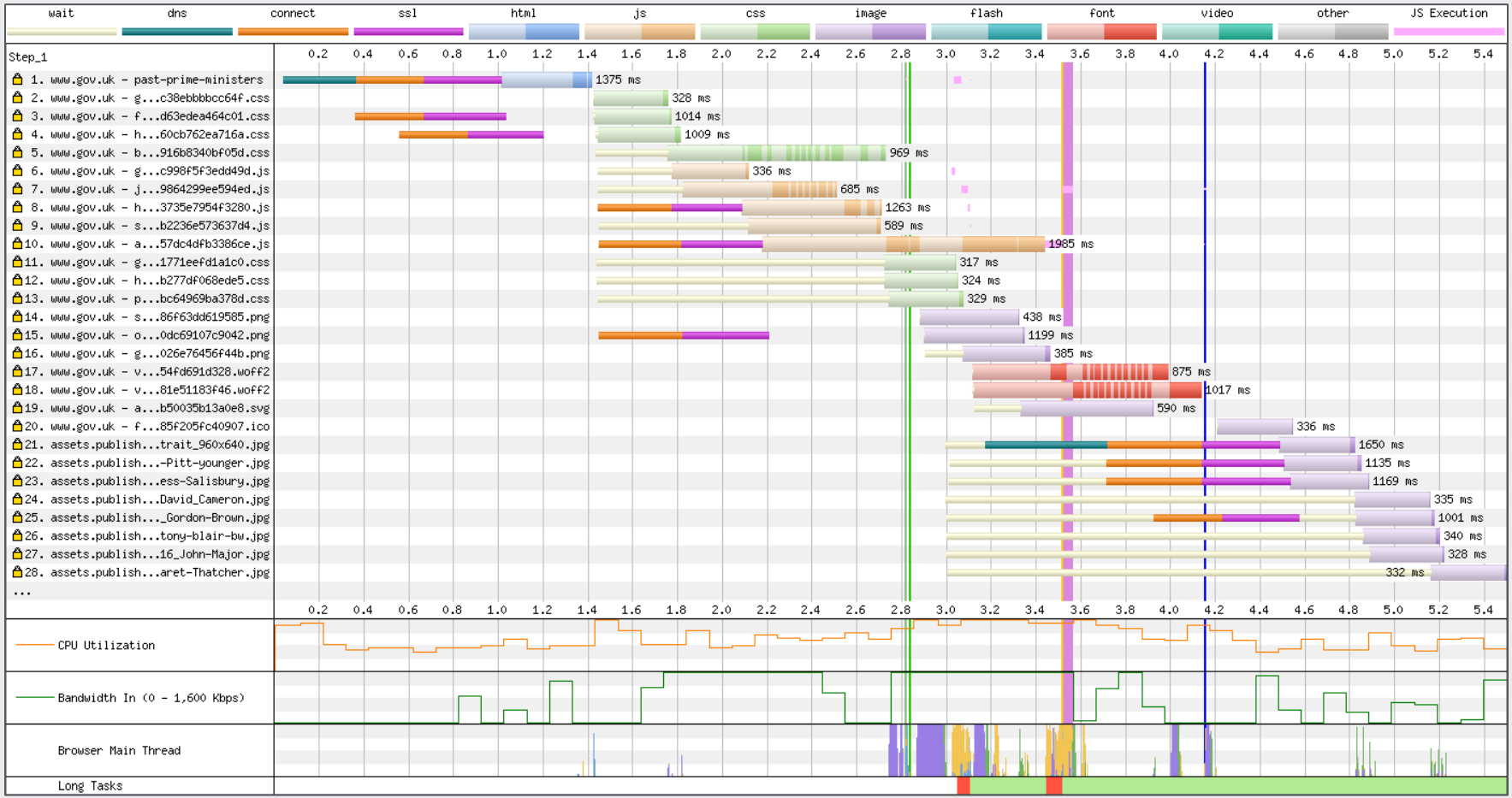
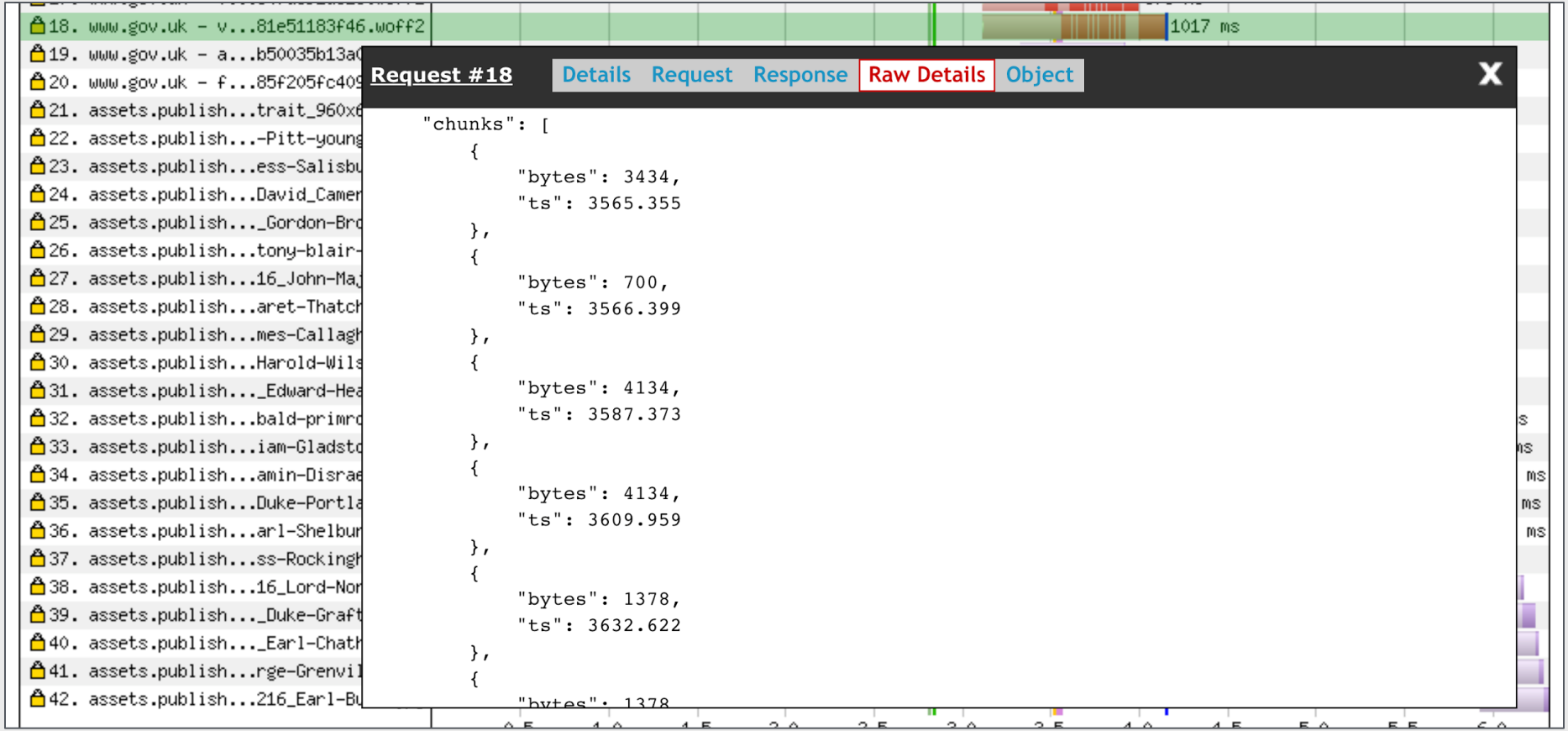
2.0
2.2
2.4
2.6
2.8
3.0
3.2
3.4
3.6
3.8
4.0
4.2
CPU Utilization
Bandwidth In (0 - 1,600 Kbps)
Browser Main Thread
Long Tasks


wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0 5.2 5.4
1. www.gov.uk - past-prime-ministers
2. www.gov.uk - g...c38ebbbbcc64f.css
3. www.gov.uk - f...d63edea464c01.css
4. www.gov.uk - h...60cb762ea716a.css
5. www.gov.uk - b...916b8340bf05d.css
6. www.gov.uk - g...c998f5f3edd49d.js
7. www.gov.uk - j...9864299ee594ed.js
8. www.gov.uk - h...3735e7954f3280.js
9. www.gov.uk - s...b2236e573637d4.js
10. www.gov.uk - a...57dc4dfb3386ce.js
11. www.gov.uk - g...1771eefd1a1c0.css
12. www.gov.uk - h...b277df068ede5.css
13. www.gov.uk - p...bc64969ba378d.css
14. www.gov.uk - s...86f63dd619585.png
15. www.gov.uk - o...0dc69107c9042.png
16. www.gov.uk - g...026e76456f44b.png
17. www.gov.uk - v...54fd691d328.woff2
18. www.gov.uk - v...81e51183f46.woff2
19. www.gov.uk - a...b50035b13a0e8.svg
20. www.gov.uk - f...85f205fc40907.ico
21. assets.publish...trait_960x640.jpg
22. assets.publish...-Pitt-younger.jpg
23. assets.publish...ess-Salisbury.jpg
24. assets.publish...David_Cameron.jpg
25. assets.publish..._Gordon-Brown.jpg
26. assets.publish...tony-blair-bw.jpg
27. assets.publish...16_John-Major.jpg
28. assets.publish...aret-Thatcher.jpg
...
1375 ms
328 ms
1014 ms
1009 ms
969 ms
336 ms
685 ms
1263 ms
589 ms
1985 ms
317 ms
324 ms
329 ms
438 ms
1199 ms
385 ms
875 ms
1017 ms
590 ms
336 ms
1650 ms
1135 ms
1169 ms
335 ms
1001 ms
340 ms
328 ms
332 ms
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0 5.2 5.4
CPU Utilization
Bandwidth In (0 - 1,600 Kbps)
Browser Main Thread
Long Tasks

Chunk Data


18. www.gov.uk - v...81e51183f46.woff2
1017 ms
19. www.gov.uk - a...b50035b13a
20. www.gov.uk - f...85f205fc40
21. assets.publish...trait_960x
22. assets.publish...-Pitt-young
23. assets.publish...ess-Salisbu
24. assets.publish...David_Camer
25. assets.publish..._Gordon-Bro
26. assets.publish...tony-blair-
27. assets.publish...16_John-Maj
28. assets.publish...aret-Thatch
29. assets.publish...mes-Callagh
30. assets.publish...Harold-Wils
31. assets.publish..._Edward-Hea
32. assets.publish...bald-primro
33. assets.publish...iam-Gladsto
34. assets.publish...amin-Disrae
35. assets.publish...Duke-Portla
36. assets.publish...arl-Shelbur
37. assets.publish...ss-Rockingh
38. assets.publish...16_Lord-Nor
39. assets.publish..._Duke-Graft
40. assets.publish..._Earl-Chath
41. assets.publish...rge-Grenvil
42. assets.publish...216_Earl-Bu
Request #18
Details
Request
Response
Raw Details
Object
"chunks": [
{
"bytes": 3434,
"ts": 3565.355
},
{
"bytes": 700,
"ts": 3566.399
},
{
"bytes": 4134,
"ts": 3587.373
},
{
"bytes": 4134,
"ts": 3609.959
},
{
"bytes": 1378,
"ts": 3632.622
},
{
"bytes": 1378

Error/Status Codes

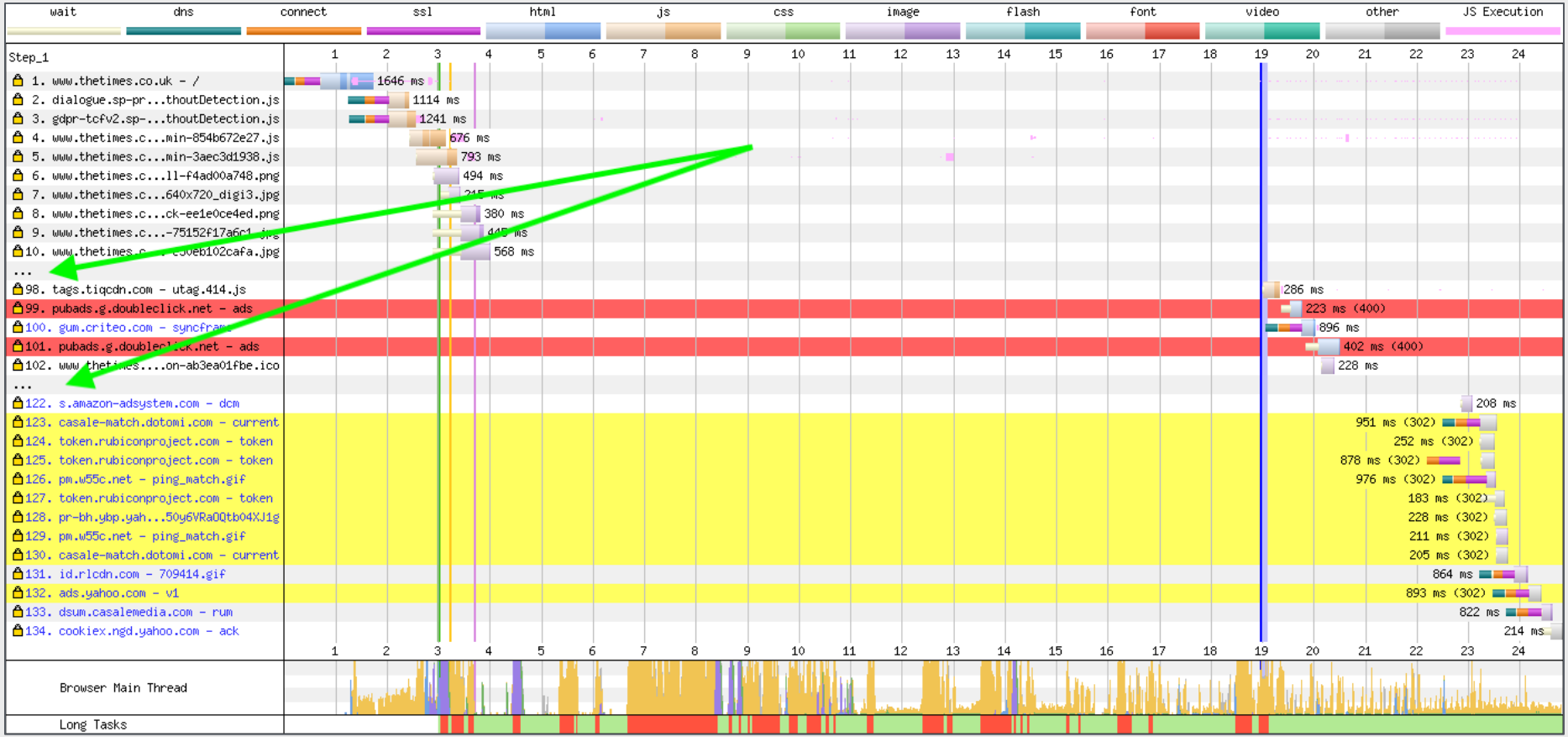

wait
dns
connect
ssl
html
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image
flash
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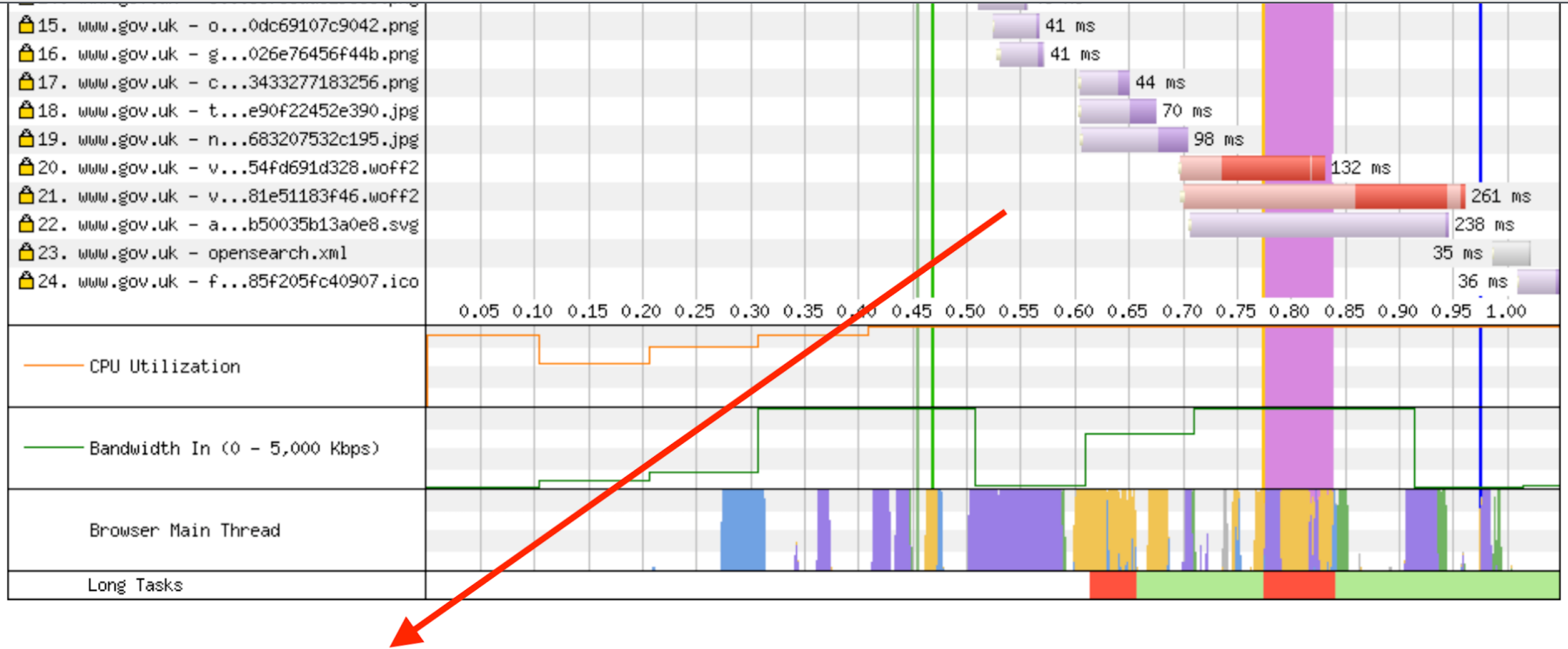
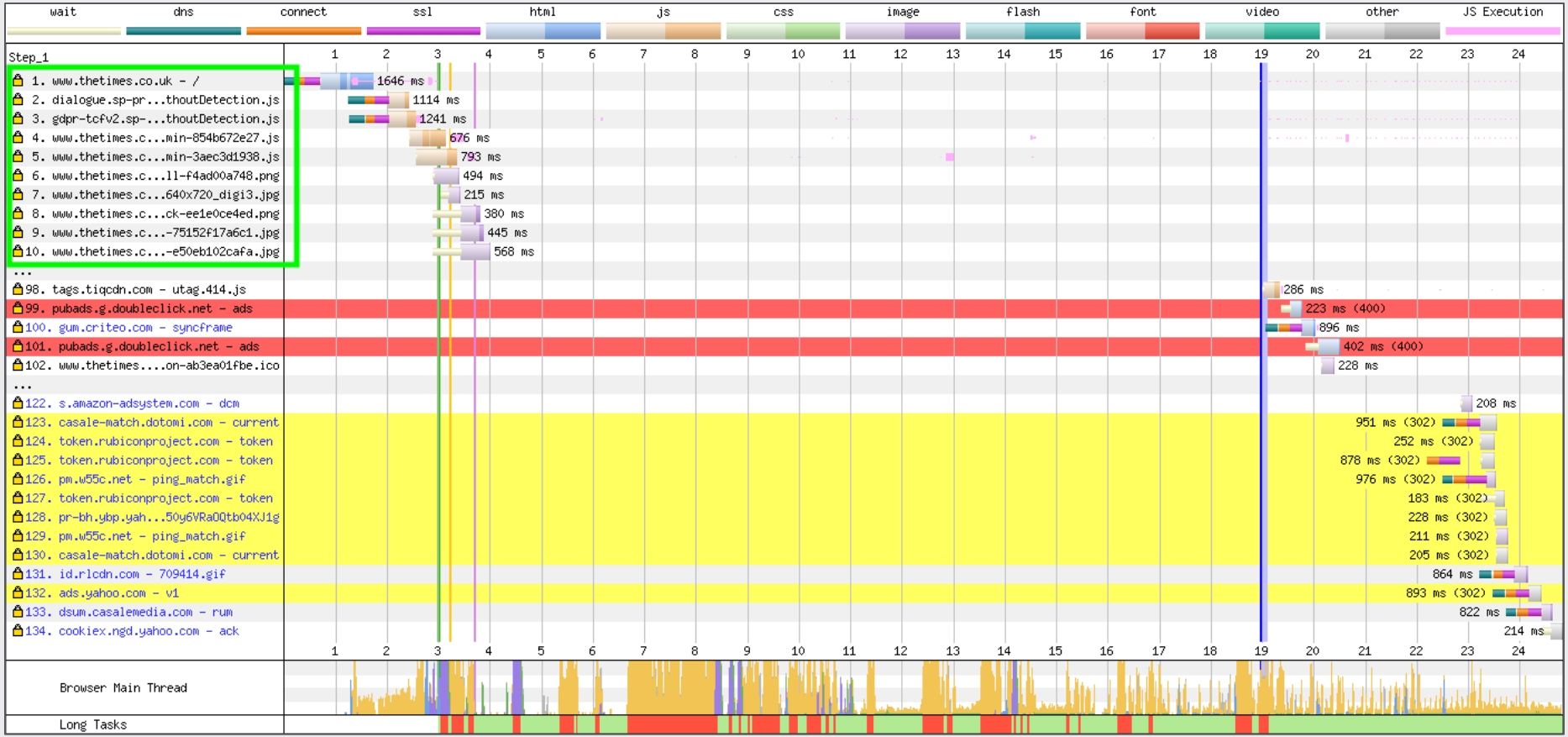
video
other
JS Execution
Step_1
1. www.thetimes.co.uk - /
2. dialogue.sp-pr...thoutDetection.js
3. gdpr-tcfv2.sp-...thoutDetection.js
4. www.thetimes.c...min-854b672e27.js
5. www.thetimes.c...min-3aec3d1938.js
6. www.thetimes.c...ll-f4ad00a748.png
7. www.thetimes.c...640x720_digi3.jpg
8. www.thetimes.c...ck-ee1e0ce4ed.png
9. www.thetimes.c...-75152f17a6c1.jpg
10. www.thetimes.c...e30eb102cafa.jpg
...
98. tags.tiqcdn.com - utag.414.js
99. pubads.g.doubleclick.net - ads
100. gum.criteo.com - syncframe
101. pubads.g.doubleclick.net - ads
102. www.thetimes....on-ab3ea01fbe.ico
...
122. s.amazon-adsystem.com - dcm
123. casale-match.dotomi.com - current
124. token.rubiconproject.com - token
125. token.rubiconproject.com - token
126. pm.w55c.net - ping_match.gif
127. token.rubiconproject.com - token
128. pr-bh.ybp.yah...50y6VRaOQtb04XJ1g
129. pm.w55c.net - ping_match.gif
130. casale-match.dotomi.com - current
131. id.rlcdn.com - 709414.gif
132. ads.yahoo.com - v1
133. dsum.casalemedia.com - rum
134. cookiex.ngd.yahoo.com - ack
1646 ms
1114 ms
1241 ms
676 ms
793 ms
494 ms
380 ms
568 ms
286 ms
223 ms (400)
896 ms
402 ms (400)
228 ms
208 ms
951 ms (302)
252 ms (302)
878 ms (302)
976 ms (302)
183 ms (302)
228 ms (302)
211 ms (302)
205 ms (302)
864 ms
893 ms (302)
822 ms
214 ms
Browser Main Thread
Long Tasks



customize waterfall • View all Images • View HTTP/2 Dependency Graph • Filmstrip


wait
dns
connect
ssl
html
js
css
image
flash
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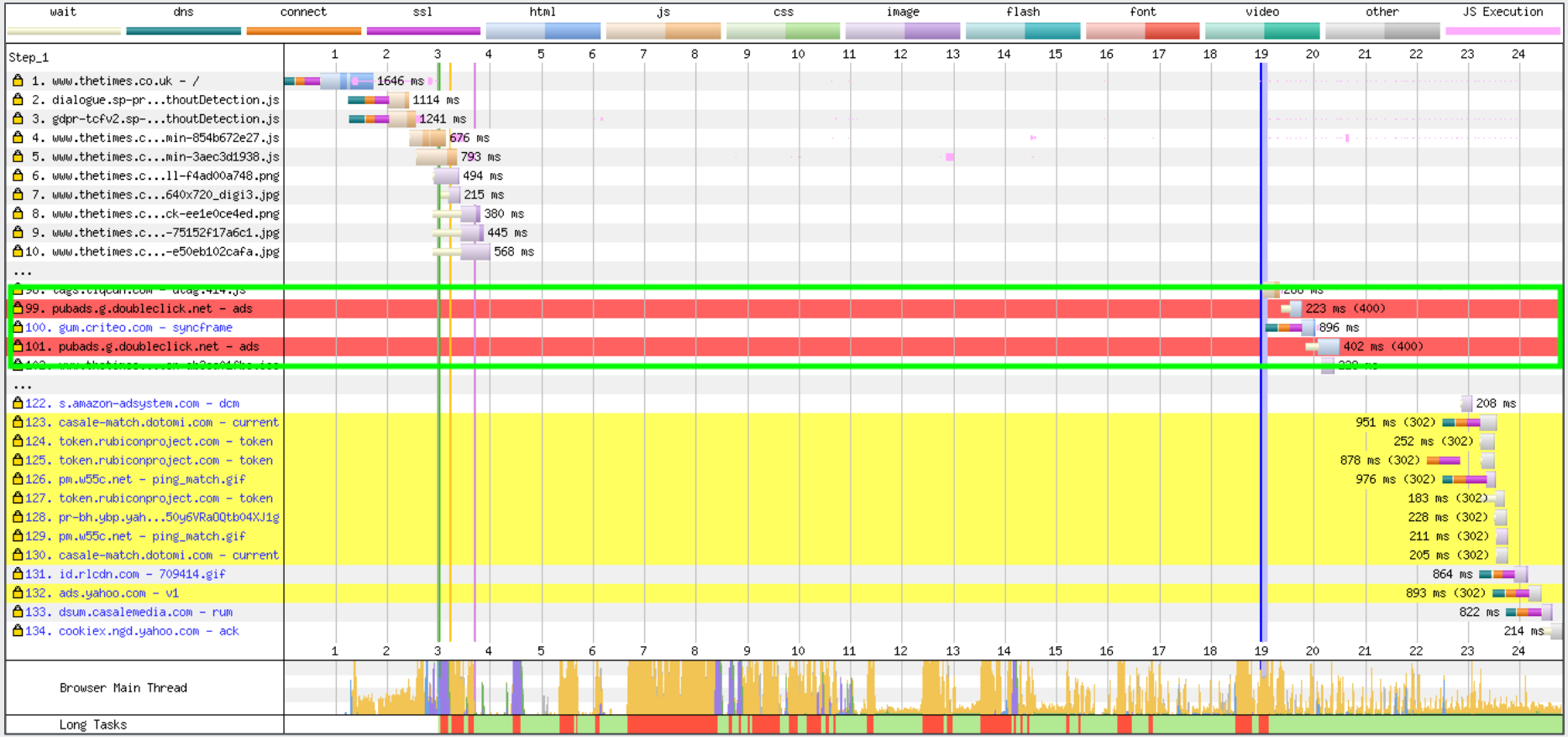
video
other
JS Execution
Step_1
1. www.thetimes.co.uk - /
2. dialogue.sp-pr...thoutDetection.js
3. gdpr-tcfv2.sp-...thoutDetection.js
4. www.thetimes.c...min-854b672e27.js
5. www.thetimes.c...min-3aec3d1938.js
6. www.thetimes.c...11-f4ad00a748.png
7. www.thetimes.c...640x720_digi3.jpg
8. www.thetimes.c...ck-ee1e0ce4ed.png
9. www.thetimes.c...-75152f17a6c1.jpg
10. www.thetimes.c...-e50eb102cafa.jpg
1646 ms
1114 ms
1241 ms
676 ms
793 ms
494 ms
215 ms
380 ms
445 ms
568 ms
98. tags.tiqcdn.com - utag.414.js
99. pubads.g.doubleclick.net - ads
100. gum.criteo.com - syncframe
101. pubads.g.doubleclick.net - ads
102. www.thetimes....on-ab3ea01fbe.ico
286 ms
223 ms (400)
896 ms
402 ms (400)
228 ms
122. s.amazon-adsystem.com - dcm
123. casale-match.dotomi.com - current
124. token.rubiconproject.com - token
125. token.rubiconproject.com - token
126. pm.w55c.net - ping_match.gif
127. token.rubiconproject.com - token
128. pr-bh.ybp.yah...50y6VRaOQtb04XJ1g
129. pm.w55c.net - ping_match.gif
130. casale-match.dotomi.com - current
131. id.rlcdn.com - 709414.gif
132. ads.yahoo.com - v1
133. dsum.casalemedia.com - rum
134. cookiex.ngd.yahoo.com - ack
208 ms
951 ms (302)
252 ms (302)
878 ms (302)
976 ms (302)
183 ms (302)
228 ms (302)
211 ms (302)
205 ms (302)
864 ms
893 ms (302)
822 ms
214 ms
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Browser Main Thread
Long Tasks


wait
dns
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JS Execution
Step_1
1. www.thetimes.co.uk - /
1646 ms
2. dialogue.sp-pr...thoutDetection.js
1114 ms
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1241 ms
4. www.thetimes.c...min-854b672e27.js
676 ms
5. www.thetimes.c...min-3aec3d1938.js
793 ms
6. www.thetimes.c...11-f4ad00a748.png
494 ms
7. www.thetimes.c...640x720_digi3.jpg
215 ms
8. www.thetimes.c...ck-ee1e0ce4ed.png
380 ms
9. www.thetimes.c...-75152f17a6c1.jpg
445 ms
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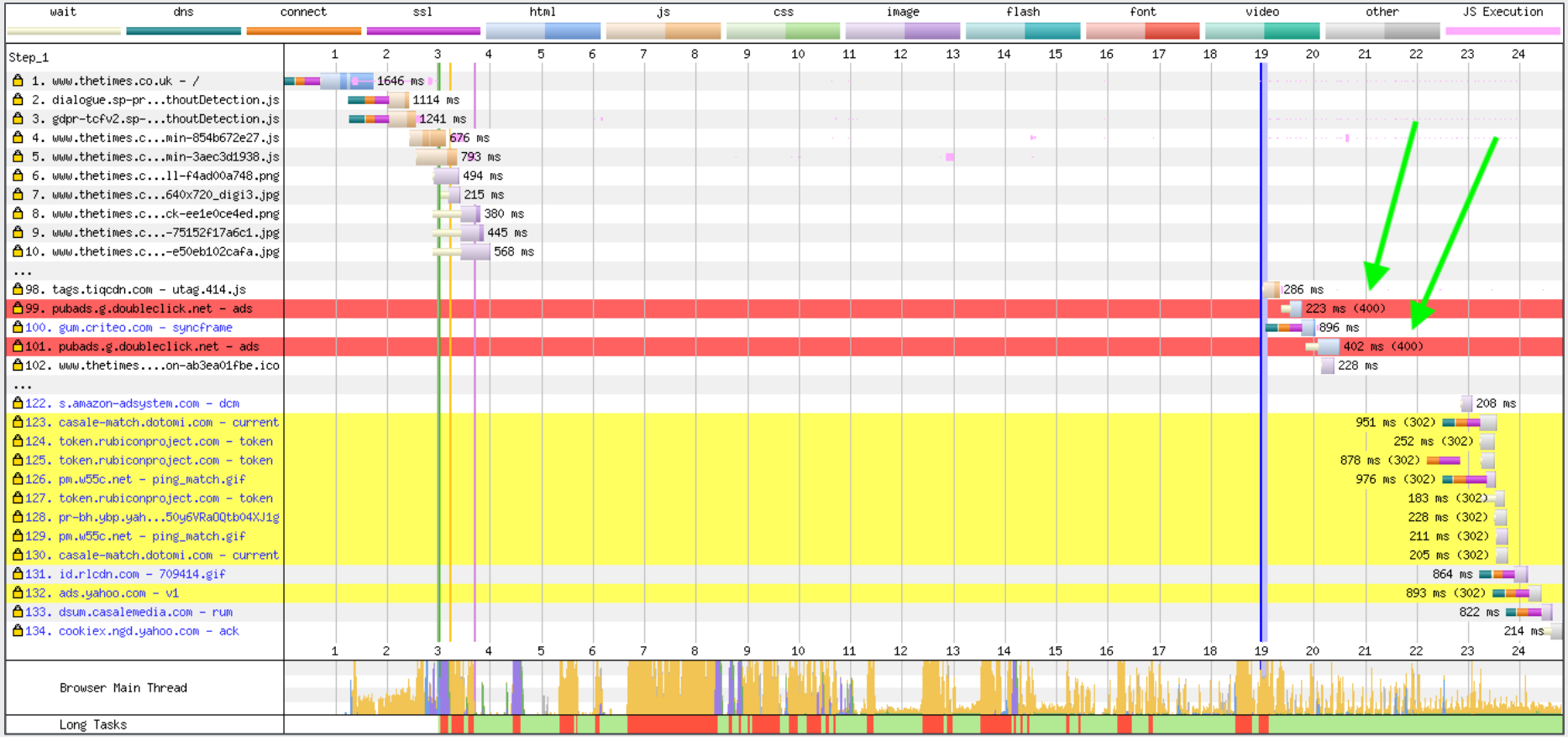
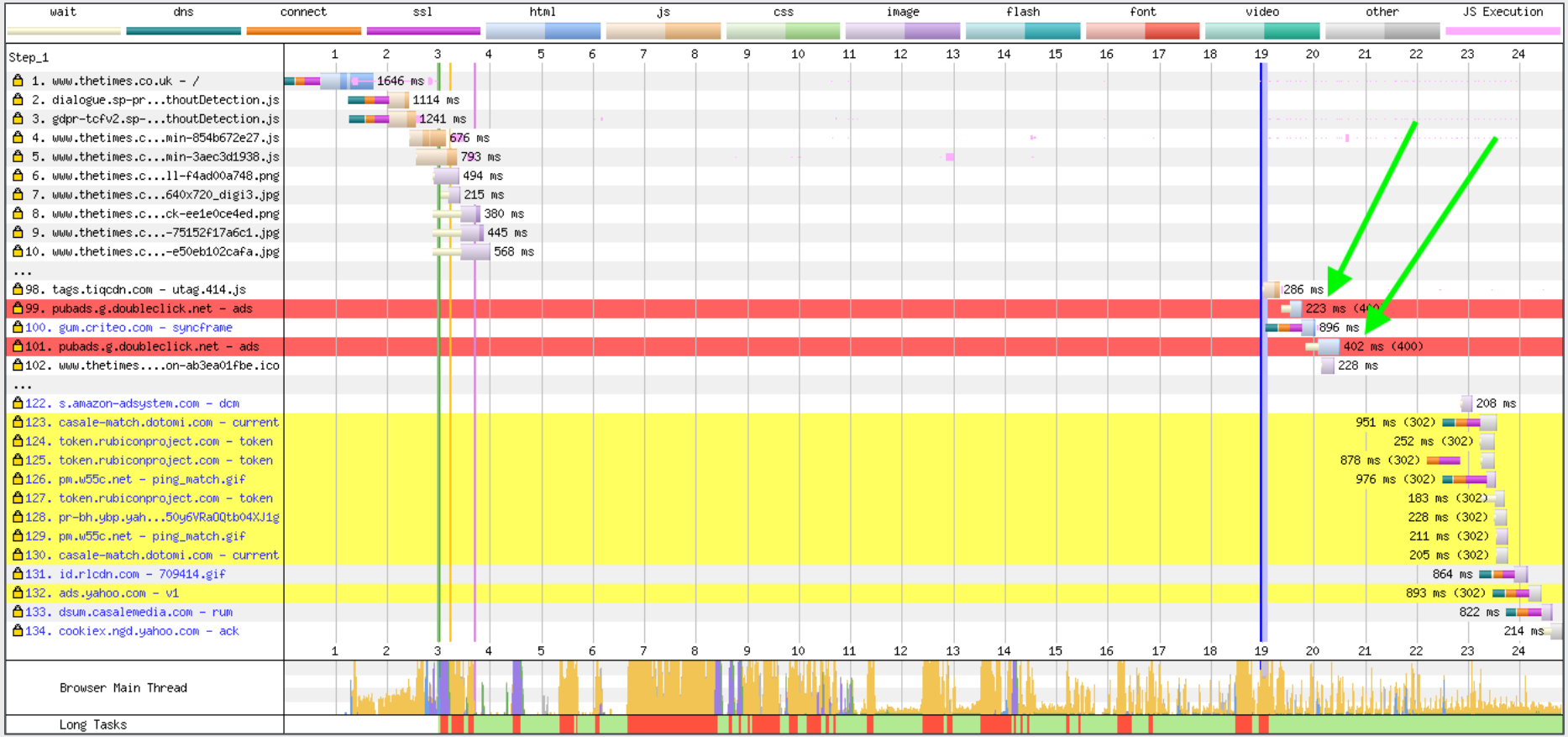
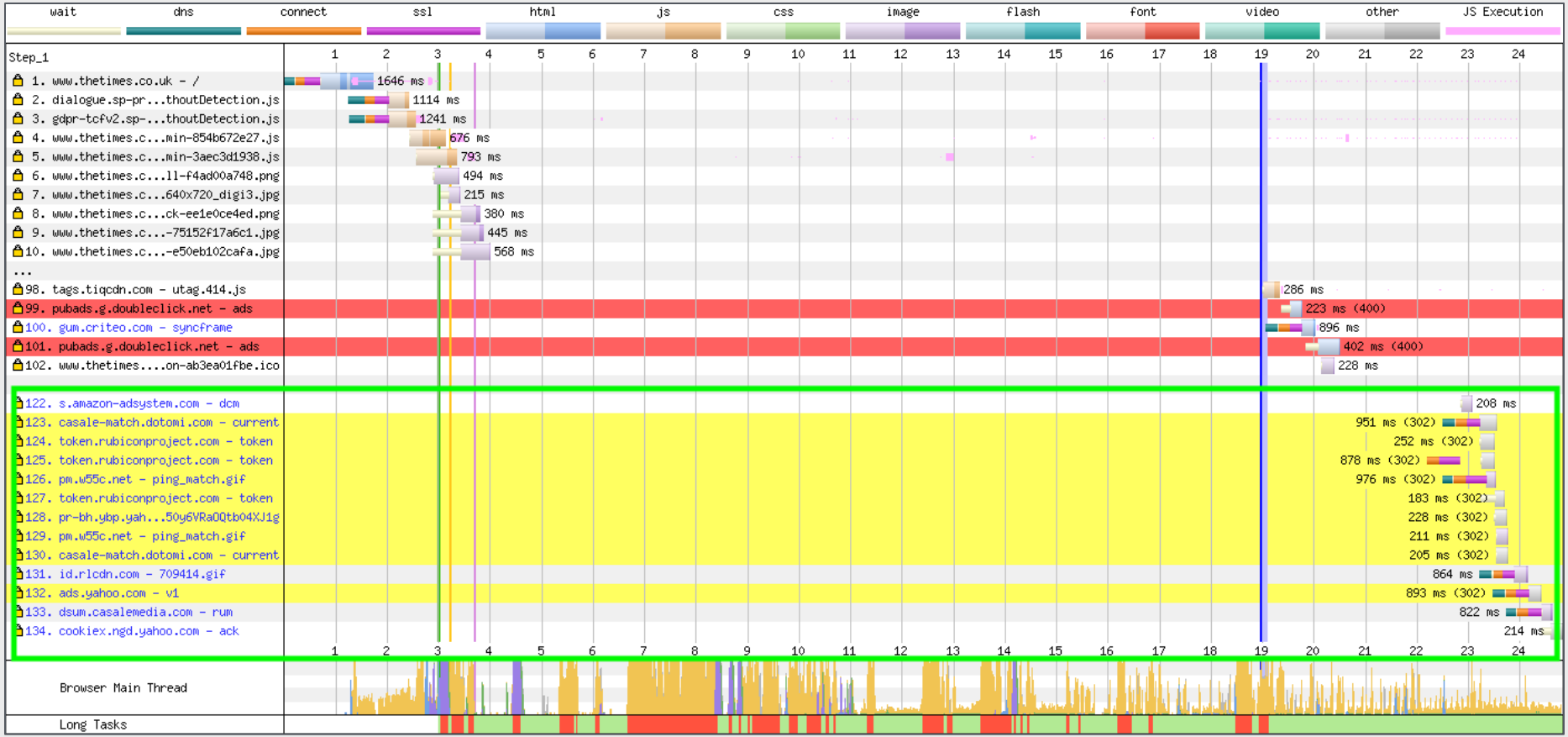
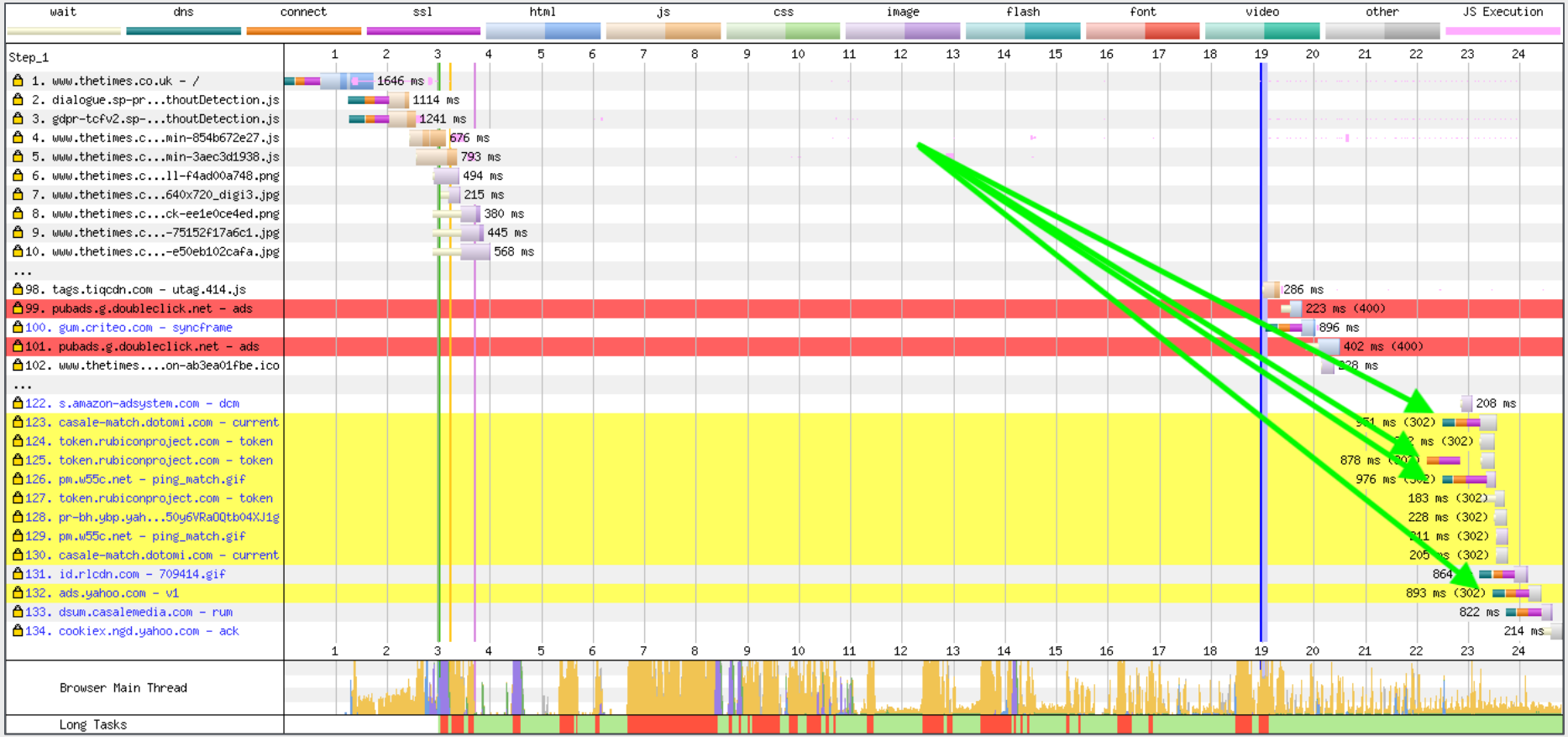
125. token.rubiconproject.com - token
878 ms (302)
126. pm.w55c.net - ping_match.gif
976 ms (302)
127. token.rubiconproject.com - token
183 ms (302)
128. pr-bh.ybp.yah...50y6VRaOQtb04XJ1g
228 ms (302)
129. pm.w55c.net - ping_match.gif
211 ms (302)
130. casale-match.dotomi.com - current
205 ms (302)
131. id.rlcdn.com - 709414.gif
864 ms
132. ads.yahoo.com - v1
893 ms (302)
133. dsum.casalemedia.com - rum
822 ms
134. cookiex.ngd.yahoo.com - ack
214 ms
Browser Main Thread
Long Tasks

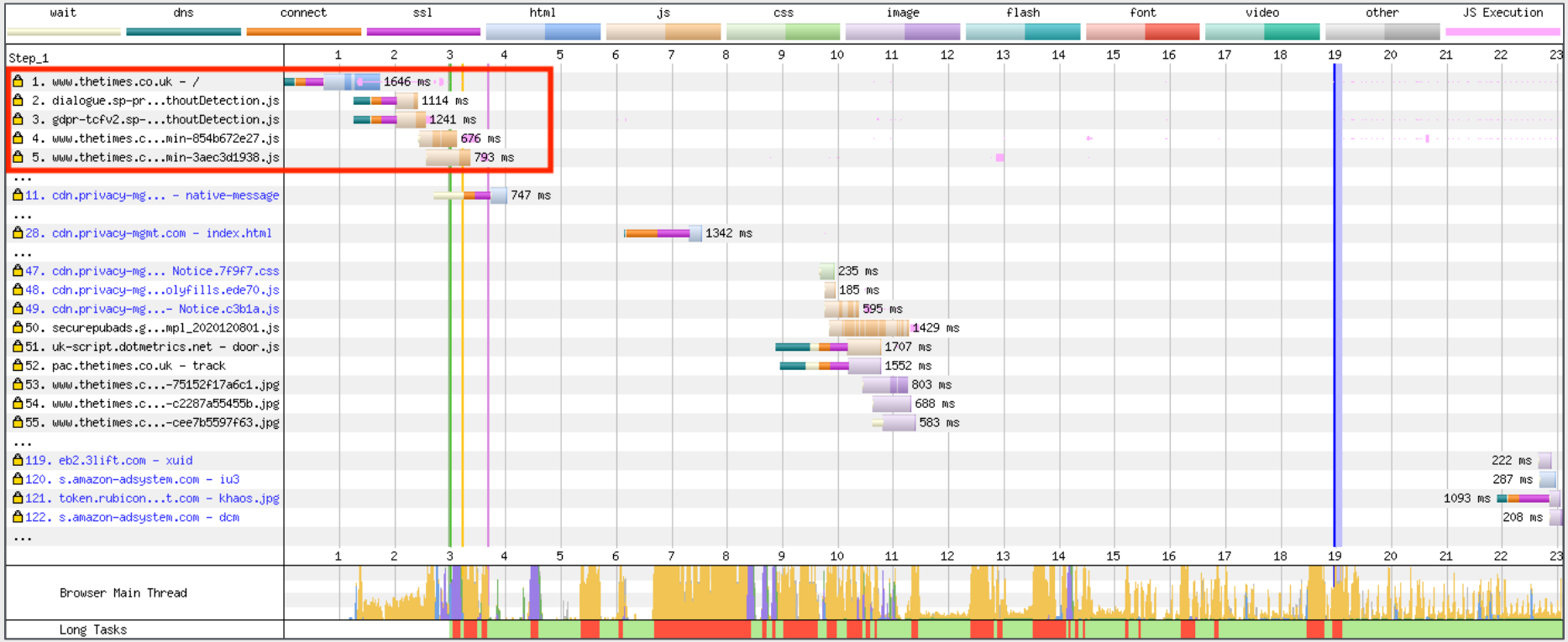

wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.thetimes.co.uk - /
2. dialogue.sp-pr...thoutDetection.js
3. gdpr-tcfv2.sp-...thoutDetection.js
4. www.thetimes.c...min-854b672e27.js
5. www.thetimes.c...min-3aec3d1938.js
6. www.thetimes.c...ll-f4ad00a748.png
7. www.thetimes.c...640x720_digi3.jpg
8. www.thetimes.c...ck-ee1e0ce4ed.png
9. www.thetimes.c...-75152f17a6c1.jpg
10. www.thetimes.c...-e50eb102cafa.jpg
...
98. tags.tiqcdn.com - utag.414.js
99. pubads.g.doubleclick.net - ads
100. gum.criteo.com - syncframe
101. pubads.g.doubleclick.net - ads
102. www.thetimes....on-ab3ea01fbe.ico
...
122. s.amazon-adsystem.com - dcm
123. casale-match.dotomi.com - current
124. token.rubiconproject.com - token
125. token.rubiconproject.com - token
126. pm.w55c.net - ping_match.gif
127. token.rubiconproject.com - token
128. pr-bh.ybp.yah...50y6VRaOQtb04XJ1g
129. pm.w55c.net - ping_match.gif
130. casale-match.dotomi.com - current
131. id.rlcdn.com - 709414.gif
132. ads.yahoo.com - v1
133. dsum.casalemedia.com - rum
134. cookiex.ngd.yahoo.com - ack
1646 ms
1114 ms
1241 ms
676 ms
793 ms
494 ms
215 ms
380 ms
445 ms
568 ms
286 ms
223 ms (400)
896 ms
402 ms (400)
228 ms
208 ms
951 ms (302)
252 ms (302)
878 ms (302)
976 ms (302)
183 ms (302)
228 ms (302)
211 ms (302)
205 ms (302)
864 ms
893 ms (302)
822 ms
214 ms
Browser Main Thread
Long Tasks

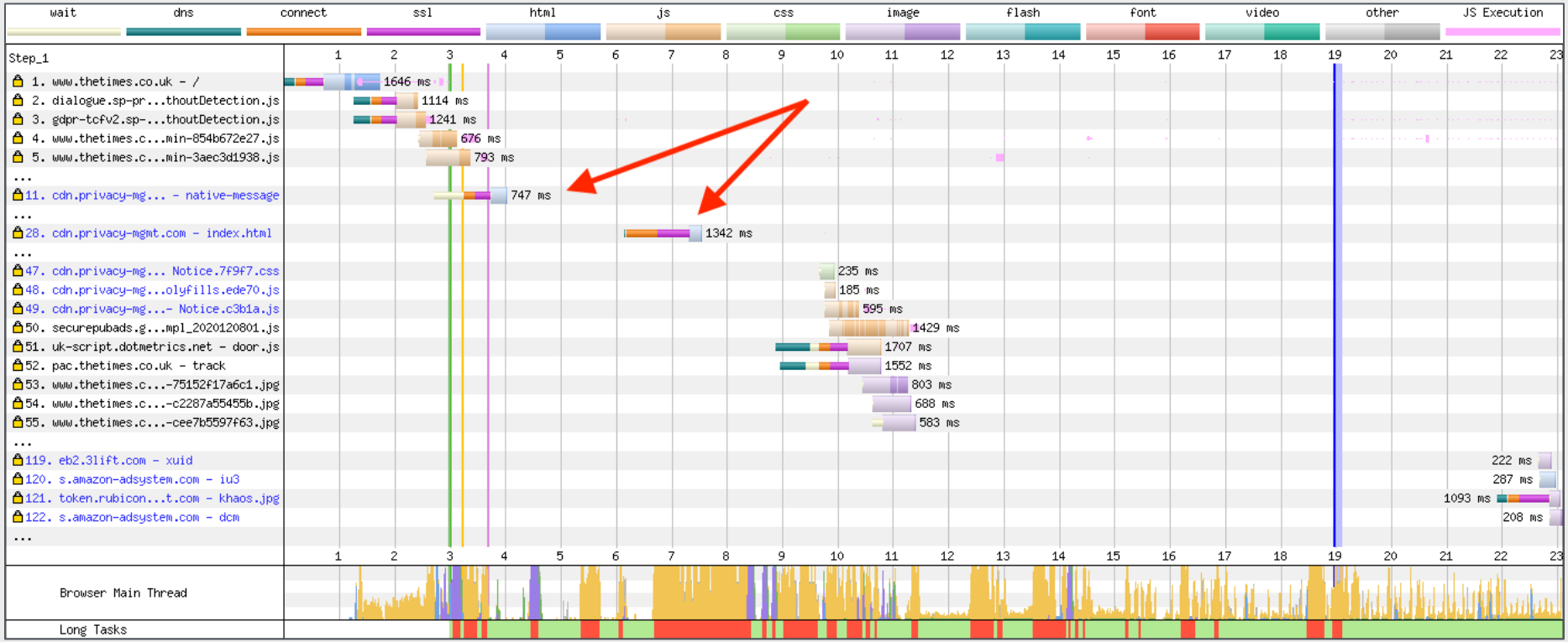

wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.thetimes.co.uk - /
1646 ms
2. dialogue.sp-pr...thoutDetection.js
1114 ms
3. gdpr-tcfv2.sp-...thoutDetection.js
1241 ms
4. www.thetimes.c...min-854b672e27.js
676 ms
5. www.thetimes.c...min-3aec3d1938.js
793 ms
6. www.thetimes.c...ll-f4ad00a748.png
494 ms
7. www.thetimes.c...640x720_digi3.jpg
215 ms
8. www.thetimes.c...ck-ee1e0ce4ed.png
380 ms
9. www.thetimes.c...-75152f17a6c1.jpg
445 ms
10. www.thetimes.c...-e50eb102cafa.jpg
568 ms
...
98. tags.tiqcdn.com - utag.414.js
286 ms
99. pubads.g.doubleclick.net - ads
223 ms (4
100. gum.criteo.com - syncframe
896 ms
101. pubads.g.doubleclick.net - ads
402 ms (400)
102. www.thetimes....on-ab3ea01fbe.ico
228 ms
...
122. s.amazon-adsystem.com - dcm
208 ms
123. casale-match.dotomi.com - current
951 ms (302)
124. token.rubiconproject.com - token
252 ms (302)
125. token.rubiconproject.com - token
878 ms (302)
126. pm.w55c.net - ping_match.gif
976 ms (302)
127. token.rubiconproject.com - token
183 ms (302)
128. pr-bh.ybp.yah...50y6VRaOQtb04XJ1g
228 ms (302)
129. pm.w55c.net - ping_match.gif
211 ms (302)
130. casale-match.dotomi.com - current
205 ms (302)
131. id.rlcdn.com - 709414.gif
864 ms
132. ads.yahoo.com - v1
893 ms (302)
133. dsum.casalemedia.com - rum
822 ms
134. cookiex.ngd.yahoo.com - ack
214 ms
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Browser Main Thread
Long Tasks

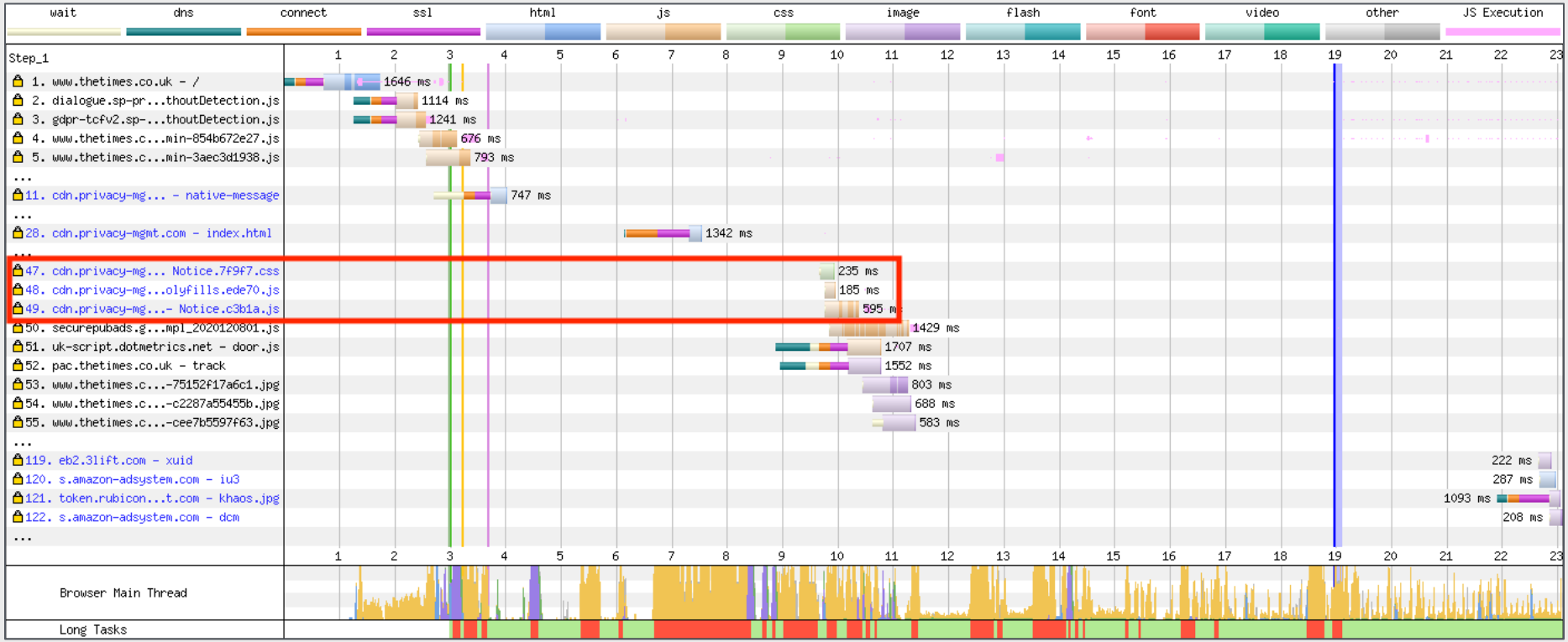

wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.thetimes.co.uk - /
1646 ms
2. dialogue.sp-pr...thoutDetection.js
1114 ms
3. gdpr-tcfv2.sp-...thoutDetection.js
1241 ms
4. www.thetimes.c...min-854b672e27.js
676 ms
5. www.thetimes.c...min-3aec3d1938.js
793 ms
6. www.thetimes.c...ll-f4ad00a748.png
494 ms
7. www.thetimes.c...640x720_digi3.jpg
215 ms
8. www.thetimes.c...ck-ee1e0ce4ed.png
380 ms
9. www.thetimes.c...-75152f17a6c1.jpg
445 ms
10. www.thetimes.c...-e50eb102cafa.jpg
568 ms
...
98. tags.tiqcdn.com - utag.414.js
286 ms
99. pubads.g.doubleclick.net - ads
223 ms (400)
100. gum.criteo.com - syncframe
896 ms
101. pubads.g.doubleclick.net - ads
402 ms (400)
102. www.thetimes....on-ab3ea01fbe.ico
228 ms
122. s.amazon-adsystem.com - dcm
208 ms
123. casale-match.dotomi.com - current
951 ms (302)
124. token.rubiconproject.com - token
252 ms (302)
125. token.rubiconproject.com - token
878 ms (302)
126. pm.w55c.net - ping_match.gif
976 ms (302)
127. token.rubiconproject.com - token
183 ms (302)
128. pr-bh.ybp.yah...50y6VRaOQtb04XJ1g
228 ms (302)
129. pm.w55c.net - ping_match.gif
211 ms (302)
130. casale-match.dotomi.com - current
205 ms (302)
131. id.rlcdn.com - 709414.gif
864 ms
132. ads.yahoo.com - v1
893 ms (302)
133. dsum.casalemedia.com - rum
822 ms
134. cookiex.ngd.yahoo.com - ack
214 ms
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Browser Main Thread
Long Tasks

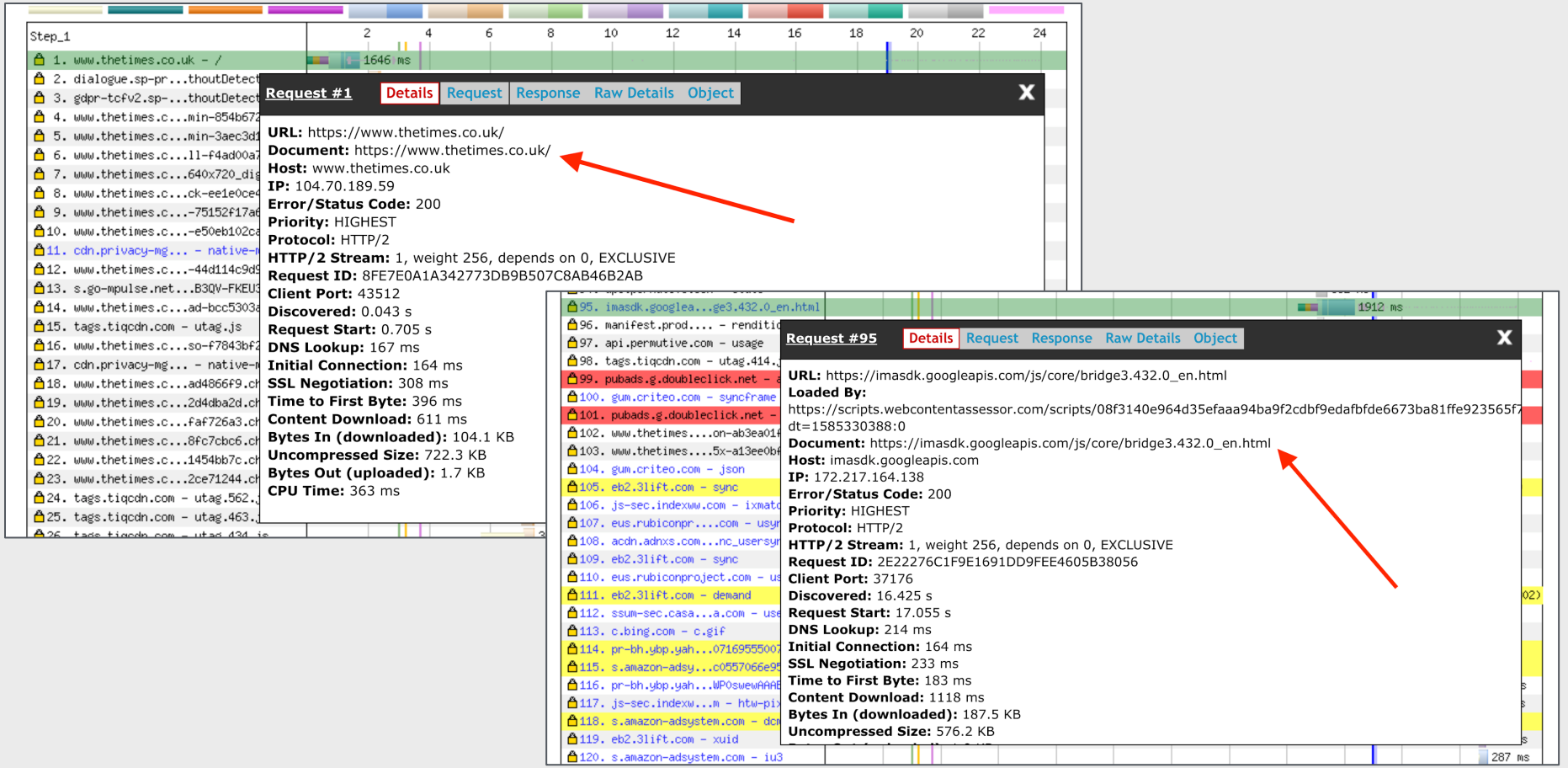

wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.thetimes.co.uk - /
2. dialogue.sp-pr...thoutDetection.js
3. gdpr-tcfv2.sp-...thoutDetection.js
4. www.thetimes.c...min-854b672e27.js
5. www.thetimes.c...min-3aec3d1938.js
6. www.thetimes.c...ll-f4ad00a748.png
7. www.thetimes.c...640x720_digi3.jpg
8. www.thetimes.c...ck-ee1e0ce4ed.png
9. www.thetimes.c...-75152f17a6c1.jpg
10. www.thetimes.c...-e50eb102cafa.jpg
...
98. tags.tiqcdn.com - utag.414.js
99. pubads.g.doubleclick.net - ads
100. gum.criteo.com - syncframe
101. pubads.g.doubleclick.net - ads
102. www.thetimes....on-ab3ea01fbe.ico
...
122. s.amazon-adsystem.com - dcm
123. casale-match.dotomi.com - current
124. token.rubiconproject.com - token
125. token.rubiconproject.com - token
126. pm.w55c.net - ping_match.gif
127. token.rubiconproject.com - token
128. pr-bh.ybp.yah...50y6VRaOQtb04XJ1g
129. pm.w55c.net - ping_match.gif
130. casale-match.dotomi.com - current
131. id.rlcdn.com - 709414.gif
132. ads.yahoo.com - v1
133. dsum.casalemedia.com - rum
134. cookiex.ngd.yahoo.com - ack
1646 ms
1114 ms
1241 ms
676 ms
793 ms
494 ms
215 ms
380 ms
445 ms
568 ms
286 ms
223 ms (400)
896 ms
402 ms (400)
208 ms
951 ms (302)
878 ms (302)
976 ms (302)
183 ms (302)
228 ms (302)
211 ms (302)
205 ms (302)
864
893 ms (302)
822 ms
214 ms
Browser Main Thread
Long Tasks

Identifying the request initialiser

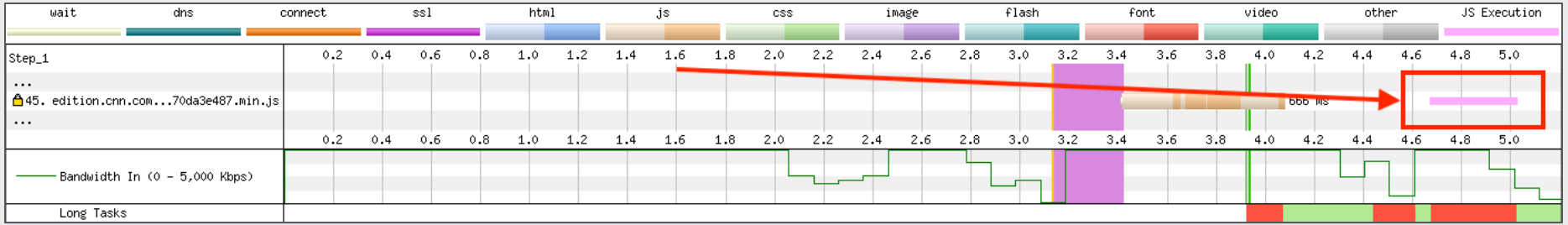

wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.thetimes.co.uk - /
2. dialogue.sp-pr...thoutDetection.js
3. gdpr-tcfv2.sp-...thoutDetection.js
4. www.thetimes.c...min-854b672e27.js
5. www.thetimes.c...min-3aec3d1938.js
...
11. cdn.privacy-mg... - native-message
...
28. cdn.privacy-mgmt.com - index.html
...
47. cdn.privacy-mg... Notice.7f9f7.css
48. cdn.privacy-mg...olyfills.ede70.js
49. cdn.privacy-mg...- Notice.c3b1a.js
50. securepubads.g...mpl_2020120801.js
51. uk-script.dotmetrics.net - door.js
52. pac.thetimes.co.uk - track
53. www.thetimes.c...-75152f17a6c1.jpg
54. www.thetimes.c...-c2287a55455b.jpg
55. www.thetimes.c...-cee7b5597f63.jpg
...
119. eb2.3lift.com - xuid
120. s.amazon-adsystem.com - iu3
121. token.rubicon...t.com - khaos.jpg
122. s.amazon-adsystem.com - dcm
...
1646 ms
1114 ms
1241 ms
676 ms
793 ms
747 ms
1342 ms
235 ms
185 ms
595 ms
1429 ms
1707 ms
1552 ms
803 ms
688 ms
583 ms
222 ms
287 ms
1093 ms
208 ms
Browser Main Thread
Long Tasks

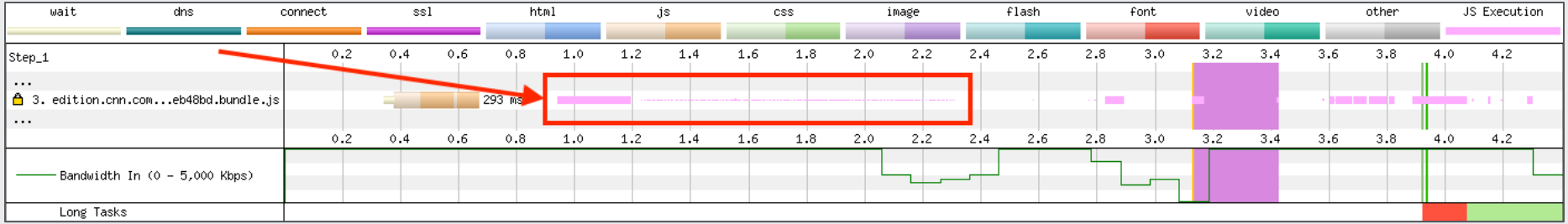

wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.thetimes.co.uk - /
2. dialogue.sp-pr...thoutDetection.js
3. gdpr-tcfv2.sp-...thoutDetection.js
4. www.thetimes.c...min-854b672e27.js
5. www.thetimes.c...min-3aec3d1938.js
...
11. cdn.privacy-mg... - native-message
...
28. cdn.privacy-mgmt.com - index.html
...
47. cdn.privacy-mg... Notice.7f9f7.css
48. cdn.privacy-mg...olyfills.ede70.js
49. cdn.privacy-mg...- Notice.c3b1a.js
50. securepubads.g...mpl_2020120801.js
51. uk-script.dotmetrics.net - door.js
52. pac.thetimes.co.uk - track
53. www.thetimes.c...-75152f17a6c1.jpg
54. www.thetimes.c...-c2287a55455b.jpg
55. www.thetimes.c...-cee7b5597f63.jpg
...
119. eb2.3lift.com - xuid
120. s.amazon-adsystem.com - iu3
121. token.rubicon...t.com - khaos.jpg
122. s.amazon-adsystem.com - dcm
...
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
1646 ms
1114 ms
1241 ms
676 ms
793 ms
747 ms
1342 ms
235 ms
185 ms
595 ms
1429 ms
1707 ms
1552 ms
803 ms
688 ms
583 ms
222 ms
287 ms
1093 ms
208 ms
Browser Main Thread
Long Tasks


wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.thetimes.co.uk - /
2. dialogue.sp-pr...thoutDetection.js
3. gdpr-tcfv2.sp-...thoutDetection.js
4. www.thetimes.c...min-854b672e27.js
5. www.thetimes.c...min-3aec3d1938.js
11. cdn.privacy-mg... - native-message
28. cdn.privacy-mgmt.com - index.html
47. cdn.privacy-mg... Notice.7f9f7.css
48. cdn.privacy-mg...olyfills.ede70.js
49. cdn.privacy-mg...- Notice.c3b1a.js
50. securepubads.g...mpl_2020120801.js
51. uk-script.dotmetrics.net - door.js
52. pac.thetimes.co.uk - track
53. www.thetimes.c...-75152f17a6c1.jpg
54. www.thetimes.c...-c2287a55455b.jpg
55. www.thetimes.c...-cee7b5597f63.jpg
119. eb2.3lift.com - xuid
120. s.amazon-adsystem.com - iu3
121. token.rubicon...t.com - khaos.jpg
122. s.amazon-adsystem.com - dcm
1646 ms
1114 ms
1241 ms
676 ms
793 ms
747 ms
1342 ms
235 ms
185 ms
595 ms
1429 ms
1707 ms
1552 ms
803 ms
688 ms
583 ms
222 ms
287 ms
1093 ms
208 ms
Browser Main Thread
Long Tasks


Step_1
1. www.thetimes.co.uk - /
1646 ms
Request #1
Details
Request
Response
Raw Details
Object
URL: https://www.thetimes.co.uk/
Document: https://www.thetimes.co.uk/
Host: www.thetimes.co.uk
IP: 104.70.189.59
Error/Status Code: 200
Priority: HIGHEST
Protocol: HTTP/2
HTTP/2 Stream: 1, weight 256, depends on 0, EXCLUSIVE
Request ID: 8FE7E0A1A342773DB9B507C8AB46B2AB
Client Port: 43512
Discovered: 0.043 s
Request Start: 0.705 s
DNS Lookup: 167 ms
Initial Connection: 164 ms
SSL Negotiation: 308 ms
Time to First Byte: 396 ms
Content Download: 611 ms
Bytes In (downloaded): 104.1 KB
Uncompressed Size: 722.3 KB
Bytes Out (uploaded): 1.7 KB
CPU Time: 363 ms
95. imasdk.googlea...ge3.432.0_en.html
1912 ms
Request #95
Details
Request
Response
Raw Details
Object
URL: https://imasdk.googleapis.com/js/core/bridge3.432.0_en.html
Loaded By:
https://scripts.webcontentassessor.com/scripts/08f3140e964d35efaaa94ba9f2cdbf9edafbfde6673ba81ffe923565f7
dt=1585330388:0
Document: https://imasdk.googleapis.com/js/core/bridge3.432.0_en.html
Host: imasdk.googleapis.com
IP: 172.217.164.138
Error/Status Code: 200
Priority: HIGHEST
Protocol: HTTP/2
HTTP/2 Stream: 1, weight 256, depends on 0, EXCLUSIVE
Request ID: 2E22276C1F9E1691DD9FEE4605B38056
Client Port: 37176
Discovered: 16.425 s
Request Start: 17.055 s
DNS Lookup: 214 ms
Initial Connection: 164 ms
SSL Negotiation: 233 ms
Time to First Byte: 183 ms
Content Download: 1118 ms
Bytes In (downloaded): 187.5 KB
Uncompressed Size: 576.2 KB
287 ms

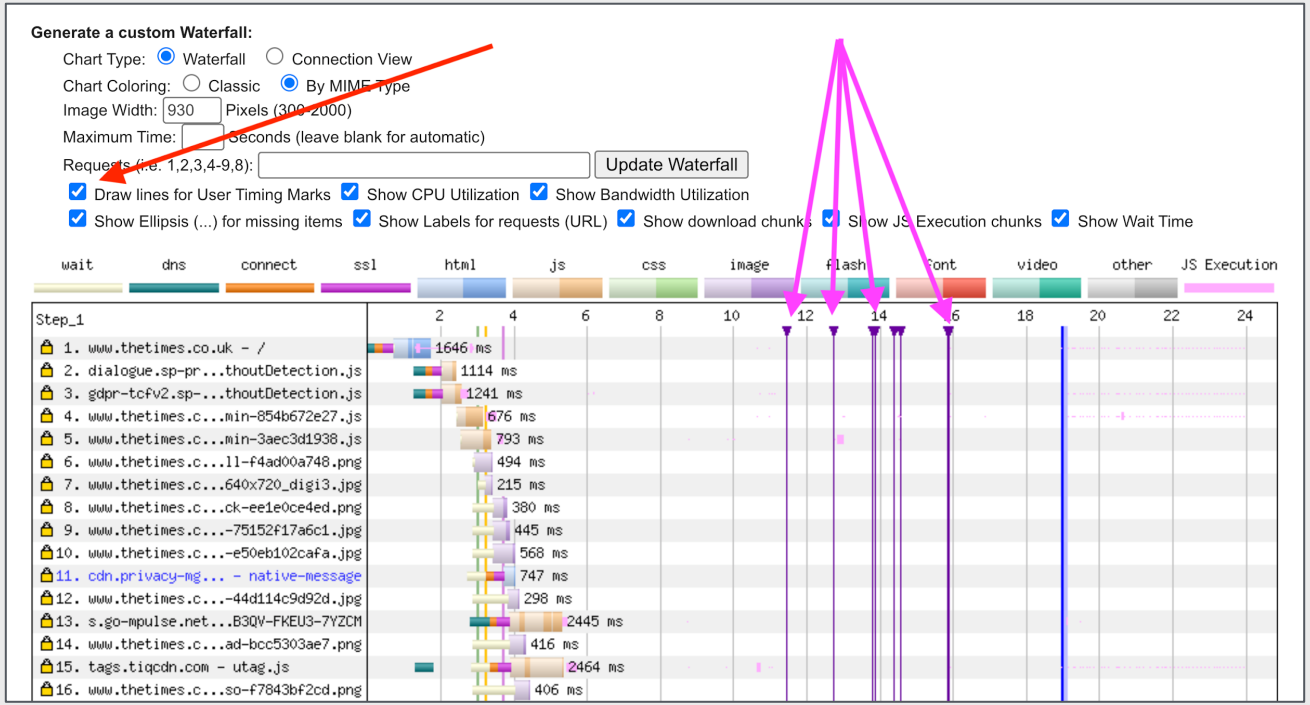
JavaScript Execution


wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
...
45. edition.cnn.com...70da3e487.min.js
...
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0
666 ms
Bandwidth In (0 - 5,000 Kbps)
Long Tasks


wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
...
3. edition.cnn.com...eb48bd.bundle.js
293 ms
...
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2
Bandwidth In (0 - 5,000 Kbps)
Long Tasks

User Timing Marks

```
<script>window.performance.mark('mark_custom_event');</script>
```



Summary | Details | Performance Review | Content Breakdown | Domains | Processing Breakdown | Screenshot | Image Analysis | Request Map

Tester: MotoG4_16-192.168.1.116
First View only
Test runs: **9**

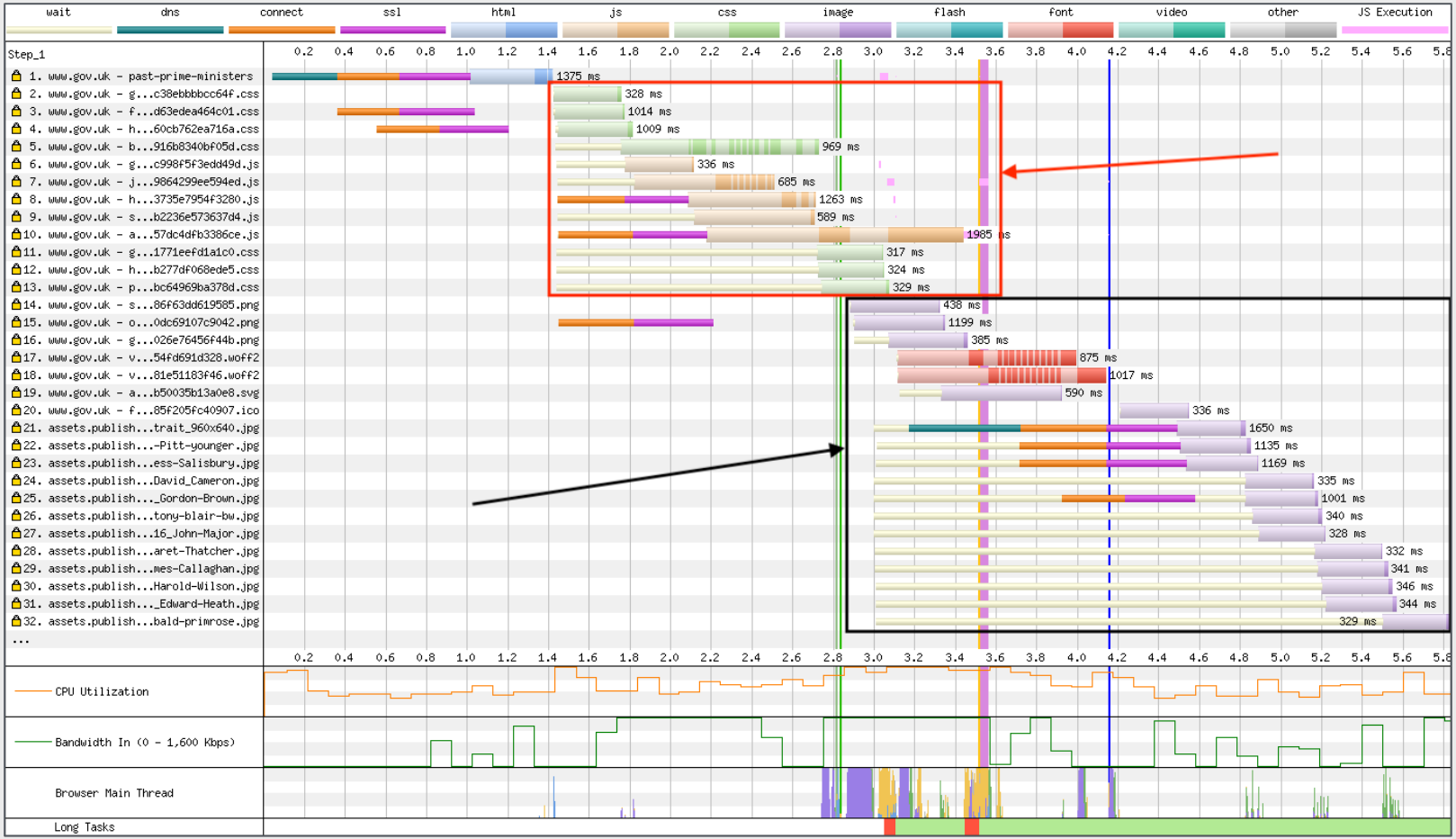
Export HTTP Archive (.har)
Custom Metrics

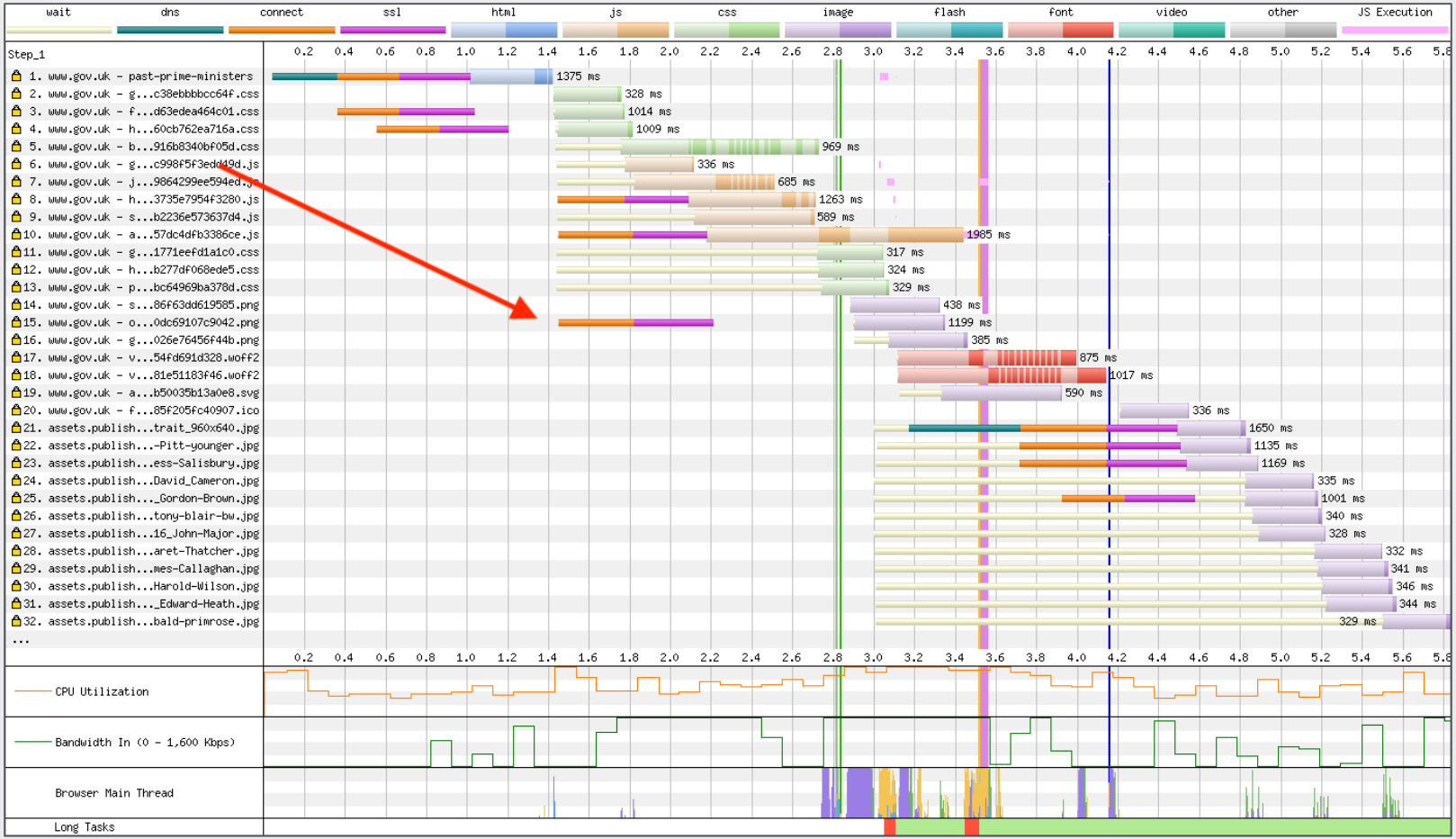
						Web Vitals			Document Complete			Fully Loaded		
	First Byte	Start Render	First Contentful Paint	Speed Index	Result (error code)	Largest Contentful Paint	Cumulative Layout Shift	Total Blocking Time	Time	Requests	Bytes In	Time	Requests	Bytes
First View (Run 1)	1.101s	2.985s	2.972s	7.930s	0	3.699s	0.008	5.350s	18.946s	97	2,222 KB	24.806s	134	2,276

gpt-tag-load	facebookPixelAddonInitStart	bcAdBlockDetectStart	bcInitStart	bcInitEnd	bcAdBlockDetectEnd	prebidAddonInitStart	prebidAddonInitEnd	Color
11.439s	12.737s	13.798s	13.874s	14.384s	14.565s	15.843s	15.870s	2

Scenarios

Chrome Stair-Step


wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.gov.uk - past-prime-ministers
2. www.gov.uk - g...c38ebbbbcc64f.css
3. www.gov.uk - f...d63edea464c01.css
4. www.gov.uk - h...60cb762ea716a.css
5. www.gov.uk - b...916b8340bf05d.css
6. www.gov.uk - g...c998f5f3edd49d.js
7. www.gov.uk - j...9864299ee594ed.js
8. www.gov.uk - h...3735e7954f3280.js
9. www.gov.uk - s...b2236e573637d4.js
10. www.gov.uk - a...57dc4dfb3386ce.js
11. www.gov.uk - g...1771eefd1a1c0.css
12. www.gov.uk - h...b277df068ede5.css
13. www.gov.uk - p...bc64969ba378d.css
14. www.gov.uk - s...86f63dd619585.png
15. www.gov.uk - o...0dc69107c9042.png
16. www.gov.uk - g...026e76456f44b.png
17. www.gov.uk - v...54fd691d328.woff2
18. www.gov.uk - v...81e51183f46.woff2
19. www.gov.uk - a...b50035b13a0e8.svg
20. www.gov.uk - f...85f205fc40907.ico
21. assets.publish...trait_960x640.jpg
22. assets.publish...-Pitt-younger.jpg
23. assets.publish...ess-Salisbury.jpg
24. assets.publish...David_Cameron.jpg
25. assets.publish..._Gordon-Brown.jpg
26. assets.publish...tony-blair-bw.jpg
27. assets.publish...16_John-Major.jpg
28. assets.publish...aret-Thatcher.jpg
29. assets.publish...mes-Callaghan.jpg
30. assets.publish...Harold-Wilson.jpg
31. assets.publish..._Edward-Heath.jpg
32. assets.publish...bald-primrose.jpg
...
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0 5.2 5.4 5.6 5.8
1375 ms
328 ms
1014 ms
1009 ms
969 ms
336 ms
685 ms
1263 ms
589 ms
1985 ms
317 ms
324 ms
329 ms
438 ms
1199 ms
385 ms
875 ms
1017 ms
590 ms
336 ms
1650 ms
1135 ms
1169 ms
335 ms
1001 ms
340 ms
328 ms
332 ms
341 ms
346 ms
344 ms
329 ms
CPU Utilization
Bandwidth In (0 - 1,600 Kbps)
Browser Main Thread
Long Tasks


wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.gov.uk - past-prime-ministers
2. www.gov.uk - g...c38ebbbbcc64f.css
3. www.gov.uk - f...d63edea464c01.css
4. www.gov.uk - h...60cb762ea716a.css
5. www.gov.uk - b...916b8340bf05d.css
6. www.gov.uk - g...c998f5f3edd49d.js
7. www.gov.uk - j...9864299ee594ed.j
8. www.gov.uk - h...3735e7954f3280.js
9. www.gov.uk - s...b2236e573637d4.js
10. www.gov.uk - a...57dc4dfb3386ce.js
11. www.gov.uk - g...1771eefd1a1c0.css
12. www.gov.uk - h...b277df068ede5.css
13. www.gov.uk - p...bc64969ba378d.css
14. www.gov.uk - s...86f63dd619585.png
15. www.gov.uk - o...0dc69107c9042.png
16. www.gov.uk - g...026e76456f44b.png
17. www.gov.uk - v...54fd691d328.woff2
18. www.gov.uk - v...81e51183f46.woff2
19. www.gov.uk - a...b50035b13a0e8.svg
20. www.gov.uk - f...85f205fc40907.ico
21. assets.publish...trait_960x640.jpg
22. assets.publish...-Pitt-younger.jpg
23. assets.publish...ess-Salisbury.jpg
24. assets.publish...David_Cameron.jpg
25. assets.publish..._Gordon-Brown.jpg
26. assets.publish...tony-blair-bw.jpg
27. assets.publish...16_John-Major.jpg
28. assets.publish...aret-Thatcher.jpg
29. assets.publish...mes-Callaghan.jpg
30. assets.publish...Harold-Wilson.jpg
31. assets.publish..._Edward-Heath.jpg
32. assets.publish...bald-primrose.jpg
...
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0 5.2 5.4 5.6 5.8
1375 ms
328 ms
1014 ms
1009 ms
969 ms
336 ms
685 ms
1263 ms
589 ms
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438 ms
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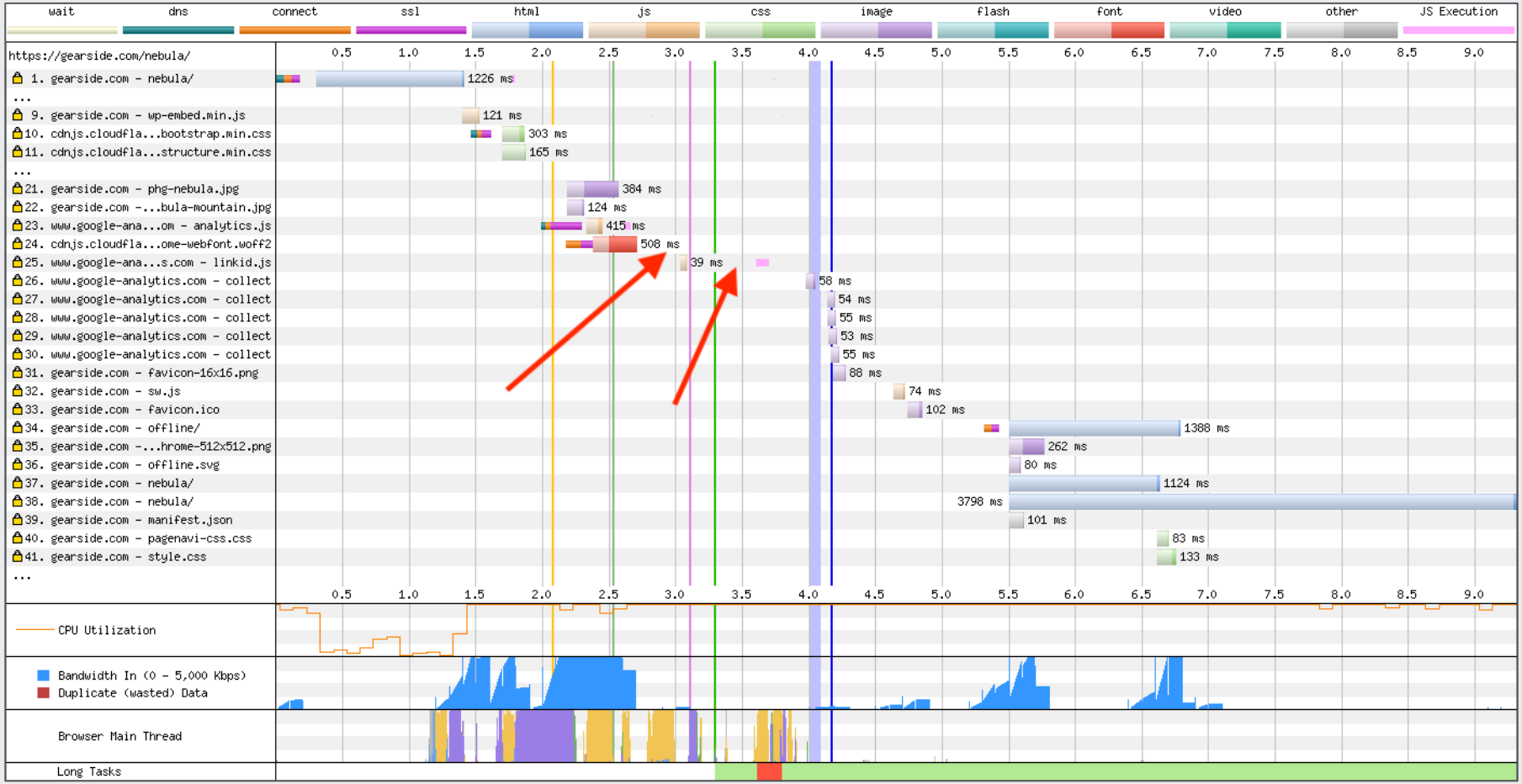
875 ms
1017 ms
590 ms
336 ms
1650 ms
1135 ms
1169 ms
335 ms
1001 ms
340 ms
328 ms
332 ms
341 ms
346 ms
344 ms
329 ms
CPU Utilization
Bandwidth In (0 - 1,600 Kbps)
Browser Main Thread
Long Tasks

CPU Bottleneck


wait
dns
connect
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html
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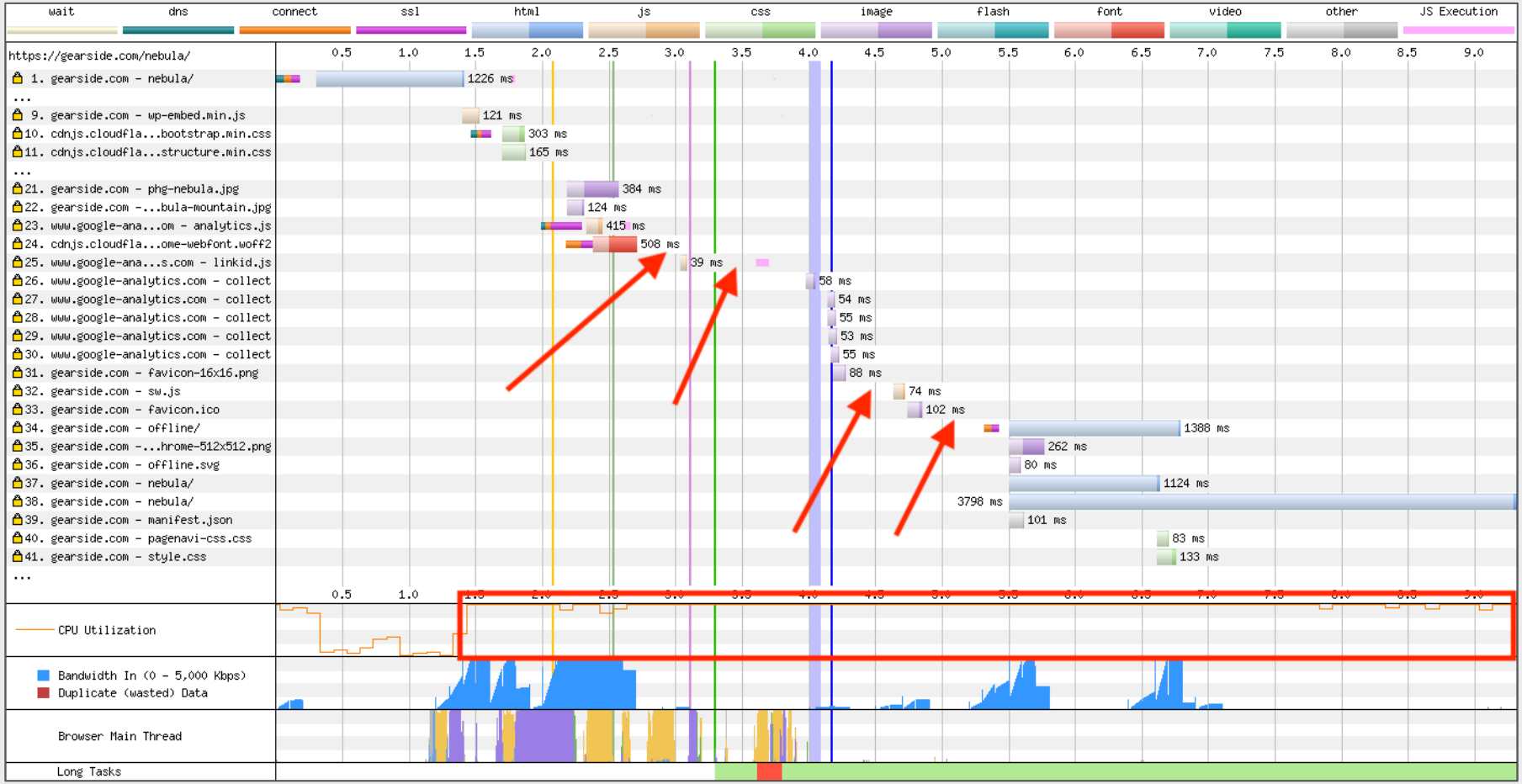
flash
font
video
other
JS Execution
https://gearside.com/nebula/
1. gearside.com - nebula/
...
9. gearside.com - wp-embed.min.js
10. cdnjs.cloudfla...bootstrap.min.css
11. cdnjs.cloudfla...structure.min.css
...
21. gearside.com - php-nebula.jpg
22. gearside.com -...bula-mountain.jpg
23. www.google-ana...om - analytics.js
24. cdnjs.cloudfla...ome-webfont.woff2
25. www.google-ana...s.com - linkid.js
26. www.google-analytics.com - collect
27. www.google-analytics.com - collect
28. www.google-analytics.com - collect
29. www.google-analytics.com - collect
30. www.google-analytics.com - collect
31. gearside.com - favicon-16x16.png
32. gearside.com - sw.js
33. gearside.com - favicon.ico
34. gearside.com - offline/
35. gearside.com -...hrome-512x512.png
36. gearside.com - offline.svg
37. gearside.com - nebula/
38. gearside.com - nebula/
39. gearside.com - manifest.json
40. gearside.com - pagenavi-css.css
41. gearside.com - style.css
...
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0
1226 ms
121 ms
303 ms
165 ms
384 ms
124 ms
415 ms
508 ms
39 ms
58 ms
54 ms
55 ms
53 ms
55 ms
88 ms
74 ms
102 ms
1388 ms
262 ms
80 ms
1124 ms
3798 ms
101 ms
83 ms
133 ms
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Duplicate (wasted) Data
Browser Main Thread
Long Tasks


wait
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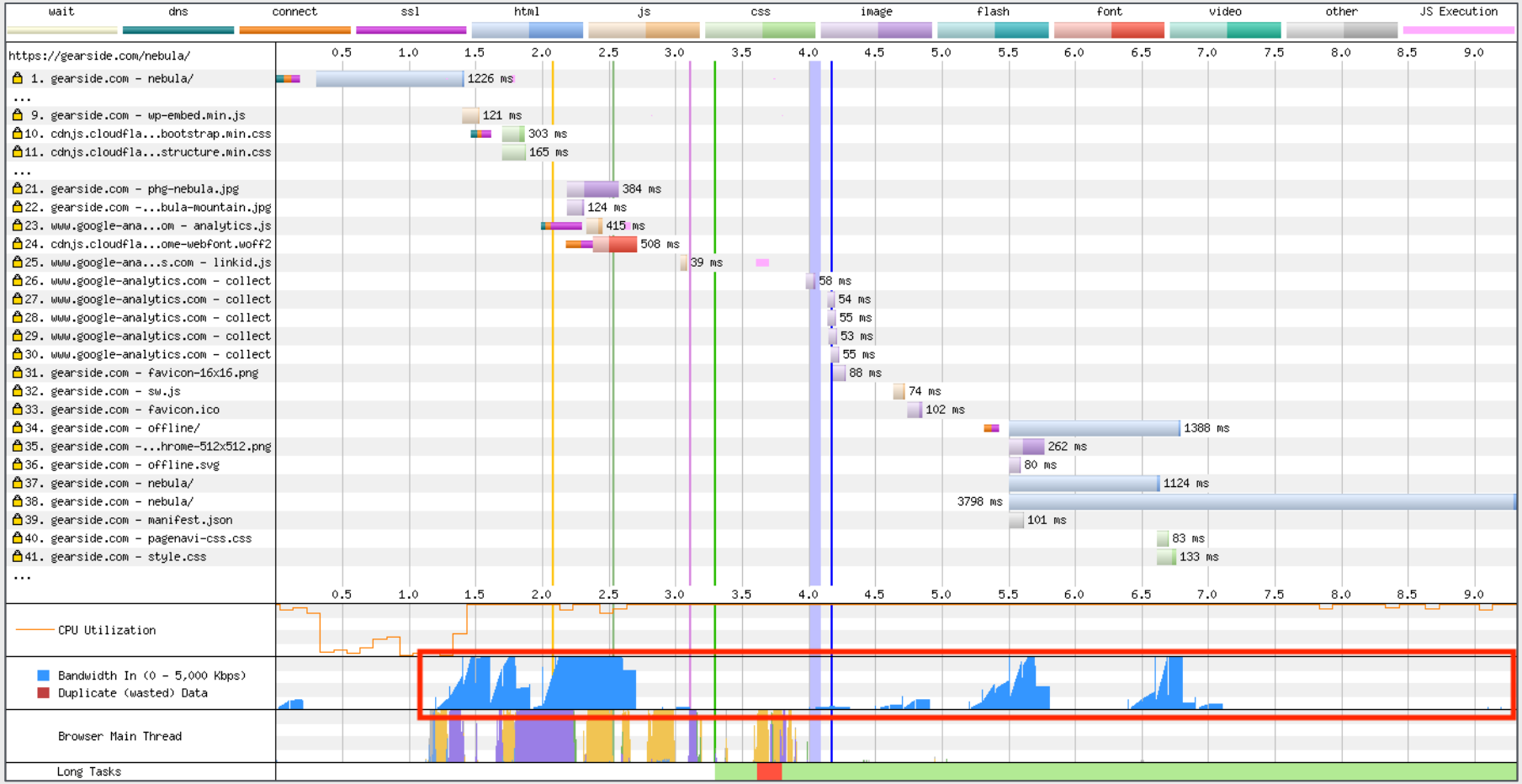
JS Execution
https://gearside.com/nebula/
1. gearside.com - nebula/ 1226 ms
9. gearside.com - wp-embed.min.js 121 ms
10. cdnjs.cloudfla...bootstrap.min.css 303 ms
11. cdnjs.cloudfla...structure.min.css 165 ms
21. gearside.com - phg-nebula.jpg 384 ms
22. gearside.com -...bula-mountain.jpg 124 ms
23. www.google-ana...om - analytics.js 415 ms
24. cdnjs.cloudfla...ome-webfont.woff2 508 ms
25. www.google-ana...s.com - linkid.js 39 ms
26. www.google-analytics.com - collect 58 ms
27. www.google-analytics.com - collect 54 ms
28. www.google-analytics.com - collect 55 ms
29. www.google-analytics.com - collect 53 ms
30. www.google-analytics.com - collect 55 ms
31. gearside.com - favicon-16x16.png 88 ms
32. gearside.com - sw.js 74 ms
33. gearside.com - favicon.ico 102 ms
34. gearside.com - offline/ 1388 ms
35. gearside.com -...hrome-512x512.png 262 ms
36. gearside.com - offline.svg 80 ms
37. gearside.com - nebula/ 1124 ms
38. gearside.com - nebula/ 3798 ms
39. gearside.com - manifest.json 101 ms
40. gearside.com - pagenavi-css.css 83 ms
41. gearside.com - style.css 133 ms
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Duplicate (wasted) Data
Browser Main Thread
Long Tasks


wait
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JS Execution
https://gearside.com/nebula/
1. gearside.com - nebula/ 1226 ms
9. gearside.com - wp-embed.min.js 121 ms
10. cdnjs.cloudfla...bootstrap.min.css 303 ms
11. cdnjs.cloudfla...structure.min.css 165 ms
21. gearside.com - phg-nebula.jpg 384 ms
22. gearside.com -...bula-mountain.jpg 124 ms
23. www.google-ana...om - analytics.js 415 ms
24. cdnjs.cloudfla...ome-webfont.woff2 508 ms
25. www.google-ana...s.com - linkid.js 39 ms
26. www.google-analytics.com - collect 58 ms
27. www.google-analytics.com - collect 54 ms
28. www.google-analytics.com - collect 55 ms
29. www.google-analytics.com - collect 53 ms
30. www.google-analytics.com - collect 55 ms
31. gearside.com - favicon-16x16.png 88 ms
32. gearside.com - sw.js 74 ms
33. gearside.com - favicon.ico 102 ms
34. gearside.com - offline/ 1388 ms
35. gearside.com -...hrome-512x512.png 262 ms
36. gearside.com - offline.svg 80 ms
37. gearside.com - nebula/ 1124 ms
38. gearside.com - nebula/ 3798 ms
39. gearside.com - manifest.json 101 ms
40. gearside.com - pagenavi-css.css 83 ms
41. gearside.com - style.css 133 ms
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Duplicate (wasted) Data
Browser Main Thread
Long Tasks

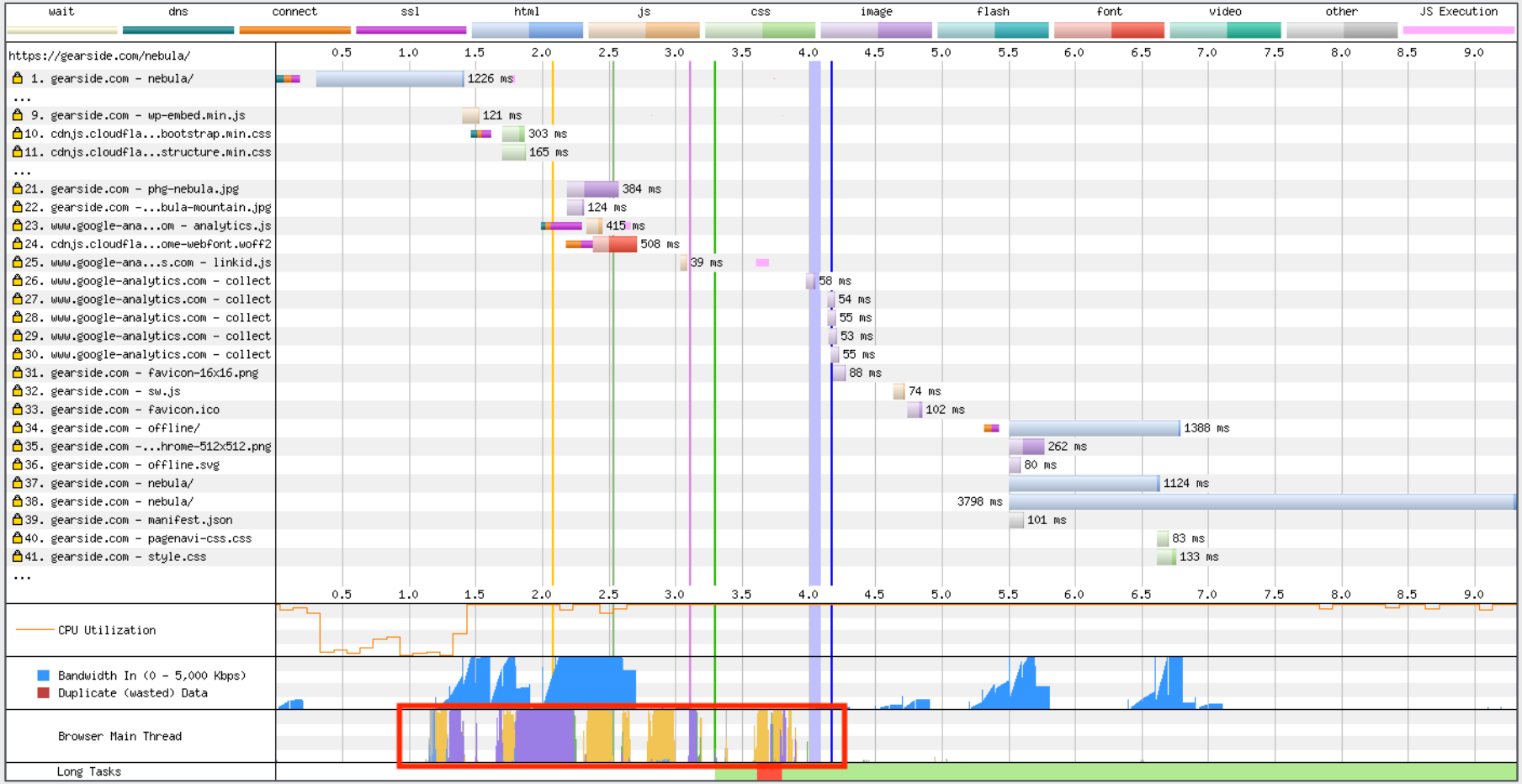
wait
dns
connect
ssl
html
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image
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video
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JS Execution
https://gearside.com/nebula/
1. gearside.com - nebula/
9. gearside.com - wp-embed.min.js
10. cdnjs.cloudfla...bootstrap.min.css
11. cdnjs.cloudfla...structure.min.css
21. gearside.com - php-nebula.jpg
22. gearside.com -...bula-mountain.jpg
23. www.google-ana...om - analytics.js
24. cdnjs.cloudfla...ome-webfont.woff2
25. www.google-ana...s.com - linkid.js
26. www.google-analytics.com - collect
27. www.google-analytics.com - collect
28. www.google-analytics.com - collect
29. www.google-analytics.com - collect
30. www.google-analytics.com - collect
31. gearside.com - favicon-16x16.png
32. gearside.com - sw.js
33. gearside.com - favicon.ico
34. gearside.com - offline/
35. gearside.com -...hrome-512x512.png
36. gearside.com - offline.svg
37. gearside.com - nebula/
38. gearside.com - nebula/
39. gearside.com - manifest.json
40. gearside.com - pagenavi-css.css
41. gearside.com - style.css
1226 ms
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303 ms
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124 ms
415 ms
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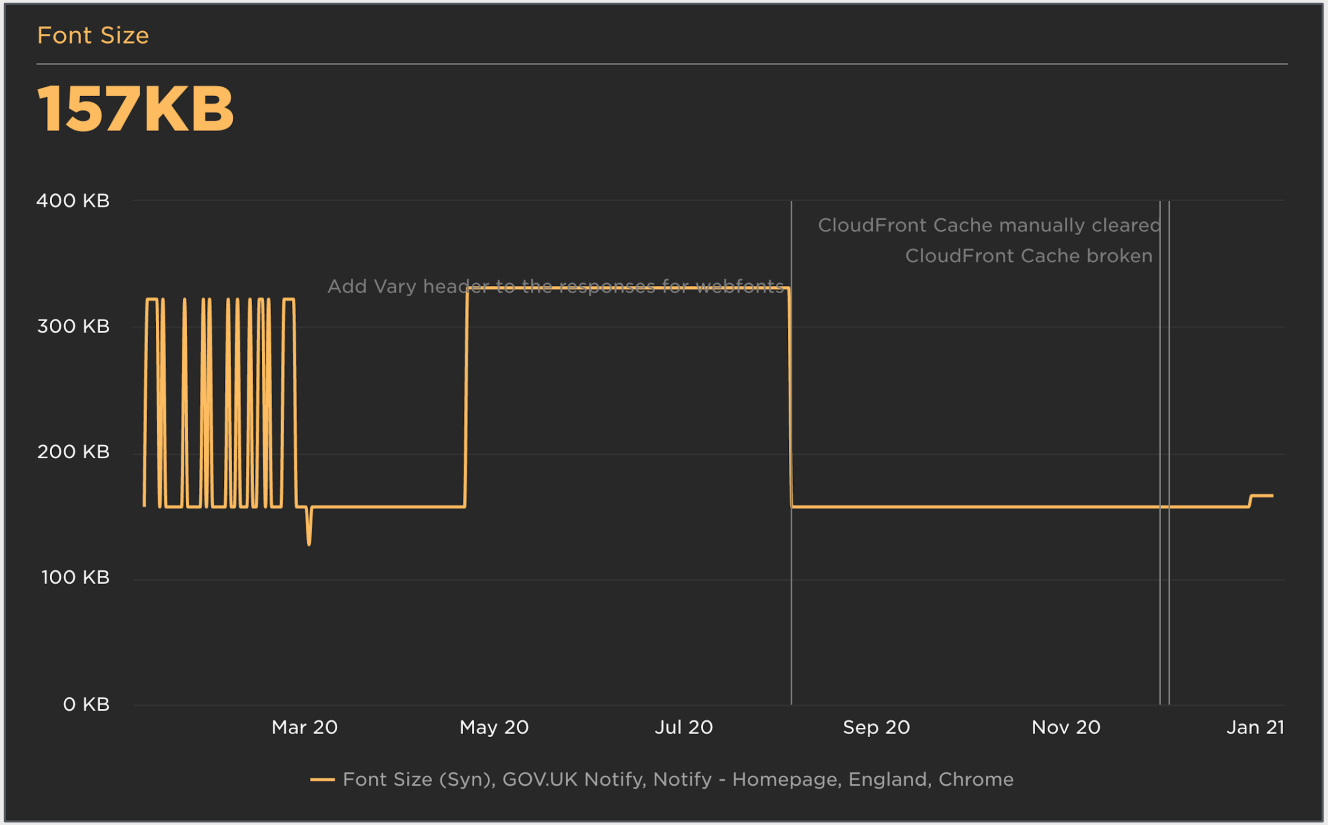
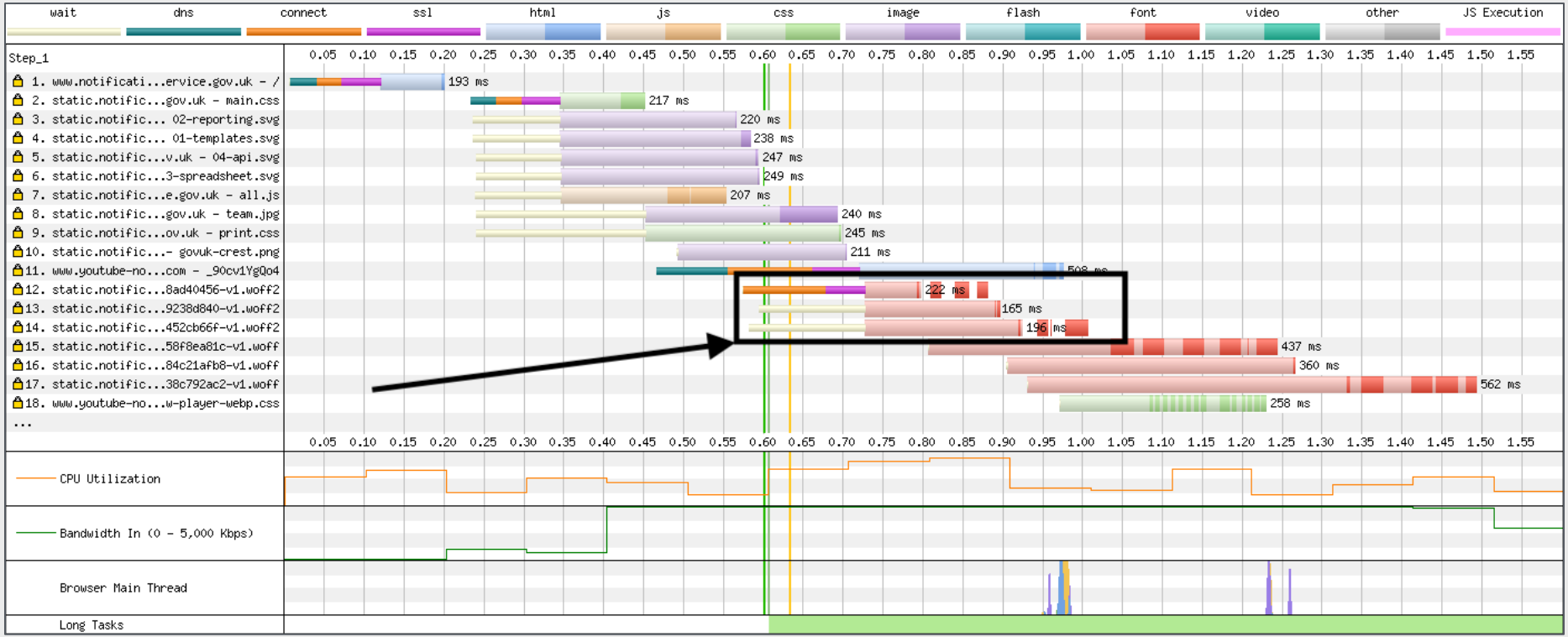
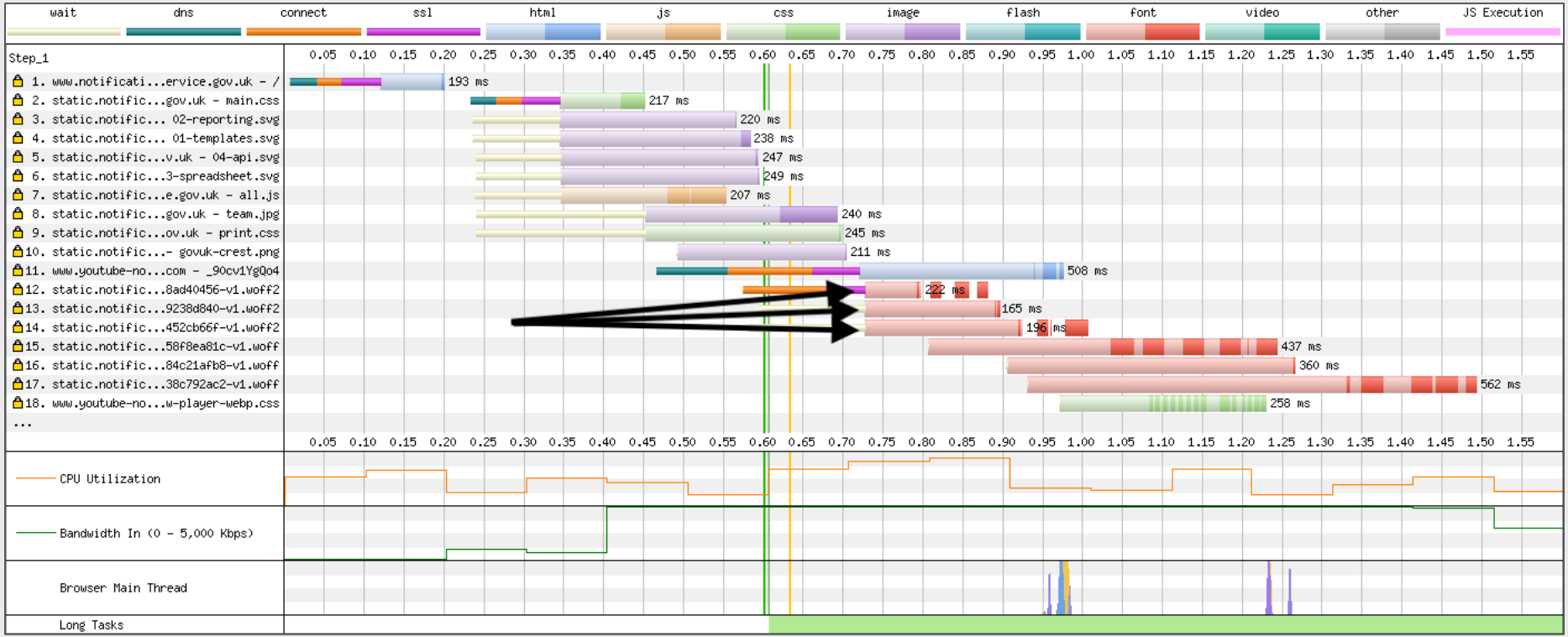
53 ms
55 ms
88 ms
74 ms
102 ms
1388 ms
262 ms
80 ms
1124 ms
3798 ms
101 ms
83 ms
133 ms
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Duplicate (wasted) Data
Browser Main Thread
Long Tasks

Vary unusual waterfall


Font Size
157KB
400 KB
300 KB
200 KB
100 KB
0 KB
Add Vary header to the responses for webfonts
CloudFront Cache manually cleared
CloudFront Cache broken
Mar 20
May 20
Jul 20
Sep 20
Nov 20
Jan 21
Font Size (Syn), GOV.UK Notify, Notify - Homepage, England, Chrome


wait
dns
connect
ssl
html
js
css
image
flash
font
video
other
JS Execution
Step_1
1. www.notificati...ervice.gov.uk - /
2. static.notific...gov.uk - main.css
3. static.notific... 02-reporting.svg
4. static.notific... 01-templates.svg
5. static.notific...v.uk - 04-api.svg
6. static.notific...3-spreadsheet.svg
7. static.notific...e.gov.uk - all.js
8. static.notific...gov.uk - team.jpg
9. static.notific...ov.uk - print.css
10. static.notific...- govuk-crest.png
11. www.youtube-no...com - _90cv1YgQo4
12. static.notific...8ad40456-v1.woff2
13. static.notific...9238d840-v1.woff2
14. static.notific...452cb66f-v1.woff2
15. static.notific...58f8ea81c-v1.woff
16. static.notific...84c21afb8-v1.woff
17. static.notific...38c792ac2-v1.woff
18. www.youtube-no...w-player-webp.css
...
0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00 1.05 1.10 1.15 1.20 1.25 1.30 1.35 1.40 1.45 1.50 1.55
193 ms
217 ms
220 ms
238 ms
247 ms
249 ms
207 ms
240 ms
245 ms
211 ms
508 ms
222 ms
165 ms
196 ms
437 ms
360 ms
562 ms
258 ms
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks


wait
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other
JS Execution
Step_1
1. www.notificati...ervice.gov.uk - /
2. static.notific...gov.uk - main.css
3. static.notific... 02-reporting.svg
4. static.notific... 01-templates.svg
5. static.notific...v.uk - 04-api.svg
6. static.notific...3-spreadsheet.svg
7. static.notific...e.gov.uk - all.js
8. static.notific...gov.uk - team.jpg
9. static.notific...ov.uk - print.css
10. static.notific...- govuk-crest.png
11. www.youtube-no...com - _90cv1YgQo4
12. static.notific...8ad40456-v1.woff2
13. static.notific...9238d840-v1.woff2
14. static.notific...452cb66f-v1.woff2
15. static.notific...58f8ea81c-v1.woff
16. static.notific...84c21afb8-v1.woff
17. static.notific...38c792ac2-v1.woff
18. www.youtube-no...w-player-webp.css
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193 ms
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207 ms
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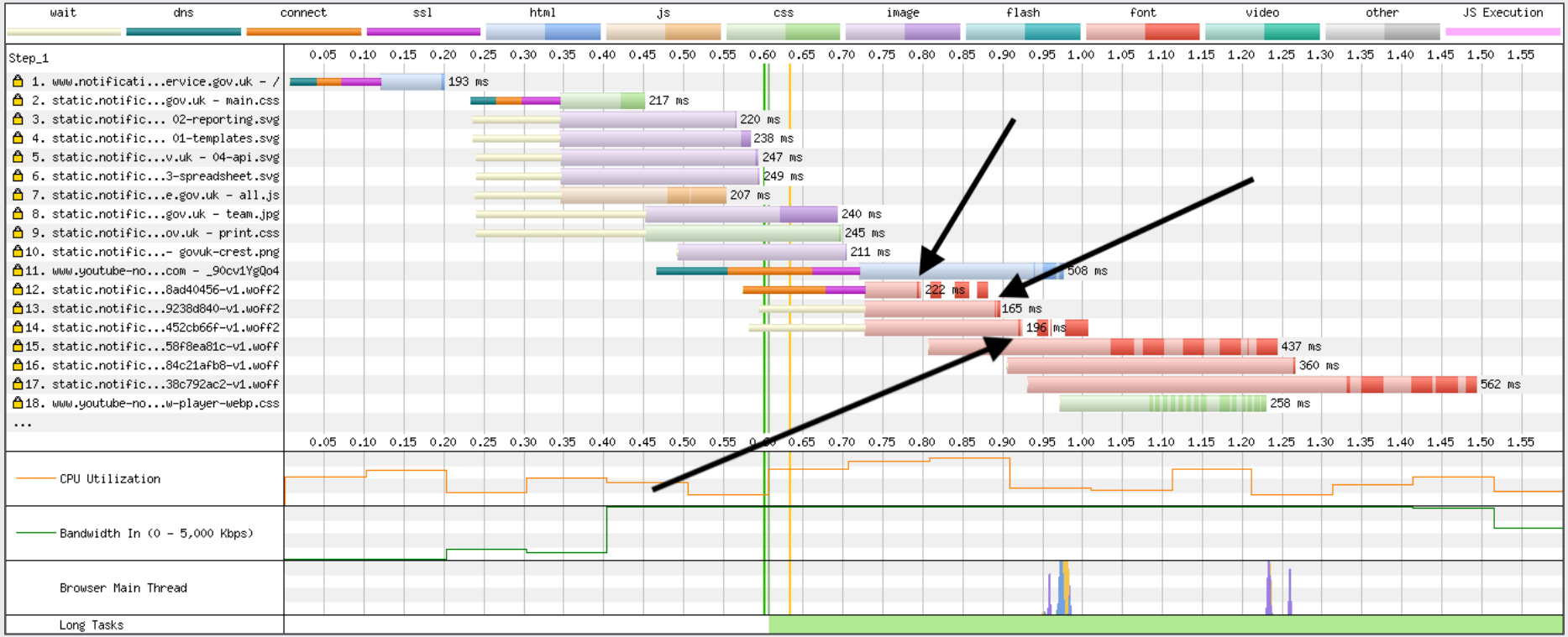
211 ms
508 ms
222 ms
165 ms
196 ms
437 ms
360 ms
562 ms
258 ms
0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00 1.05 1.10 1.15 1.20 1.25 1.30 1.35 1.40 1.45 1.50 1.55
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks


wait
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JS Execution
Step_1
1. www.notificati...ervice.gov.uk - /
2. static.notific...gov.uk - main.css
3. static.notific... 02-reporting.svg
4. static.notific... 01-templates.svg
5. static.notific...v.uk - 04-api.svg
6. static.notific...3-spreadsheet.svg
7. static.notific...e.gov.uk - all.js
8. static.notific...gov.uk - team.jpg
9. static.notific...ov.uk - print.css
10. static.notific...- govuk-crest.png
11. www.youtube-no...com - _90cv1YgQo4
12. static.notific...8ad40456-v1.woff2
13. static.notific...9238d840-v1.woff2
14. static.notific...452cb66f-v1.woff2
15. static.notific...58f8ea81c-v1.woff
16. static.notific...84c21afb8-v1.woff
17. static.notific...38c792ac2-v1.woff
18. www.youtube-no...w-player-webp.css
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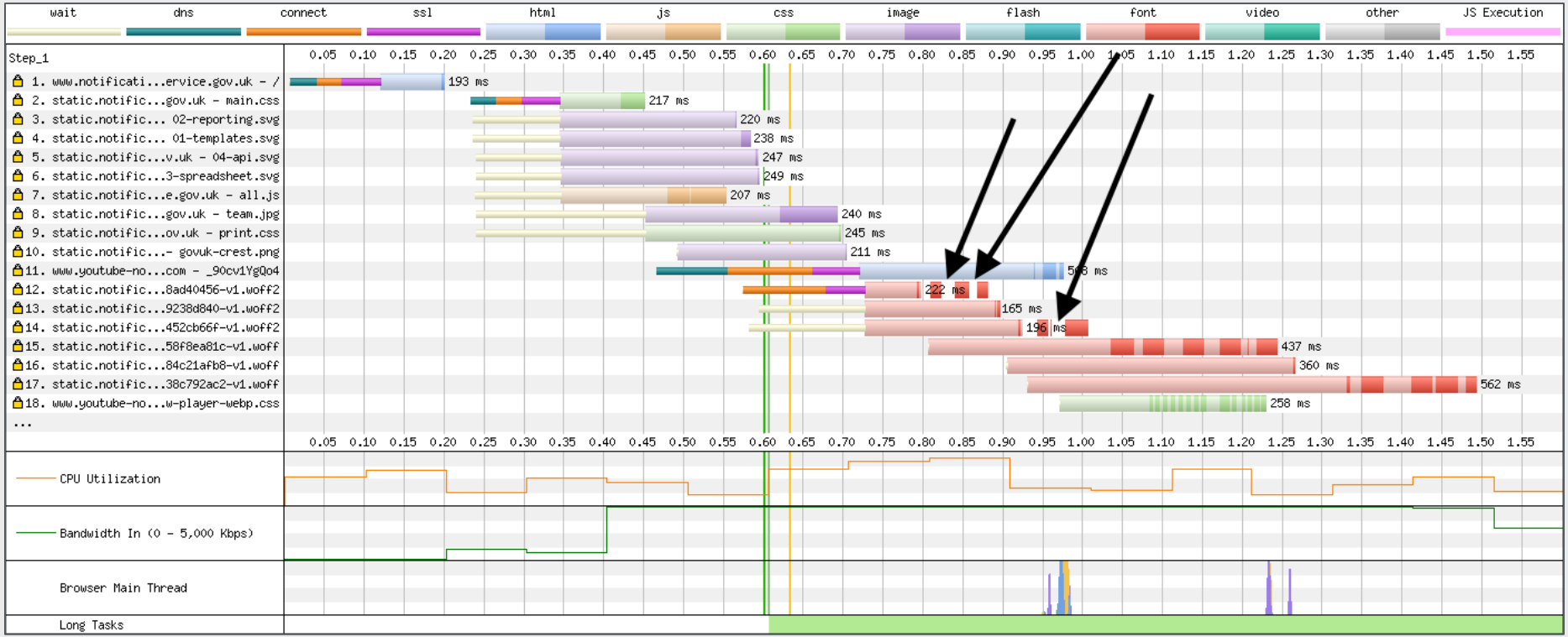
562 ms
258 ms
0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00 1.05 1.10 1.15 1.20 1.25 1.30 1.35 1.40 1.45 1.50 1.55
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks


wait
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JS Execution
Step_1
1. www.notificati...ervice.gov.uk - /
2. static.notific...gov.uk - main.css
3. static.notific... 02-reporting.svg
4. static.notific... 01-templates.svg
5. static.notific...v.uk - 04-api.svg
6. static.notific...3-spreadsheet.svg
7. static.notific...e.gov.uk - all.js
8. static.notific...gov.uk - team.jpg
9. static.notific...ov.uk - print.css
10. static.notific...- govuk-crest.png
11. www.youtube-no...com - _90cv1YgQo4
12. static.notific...8ad40456-v1.woff2
13. static.notific...9238d840-v1.woff2
14. static.notific...452cb66f-v1.woff2
15. static.notific...58f8ea81c-v1.woff
16. static.notific...84c21afb8-v1.woff
17. static.notific...38c792ac2-v1.woff
18. www.youtube-no...w-player-webp.css
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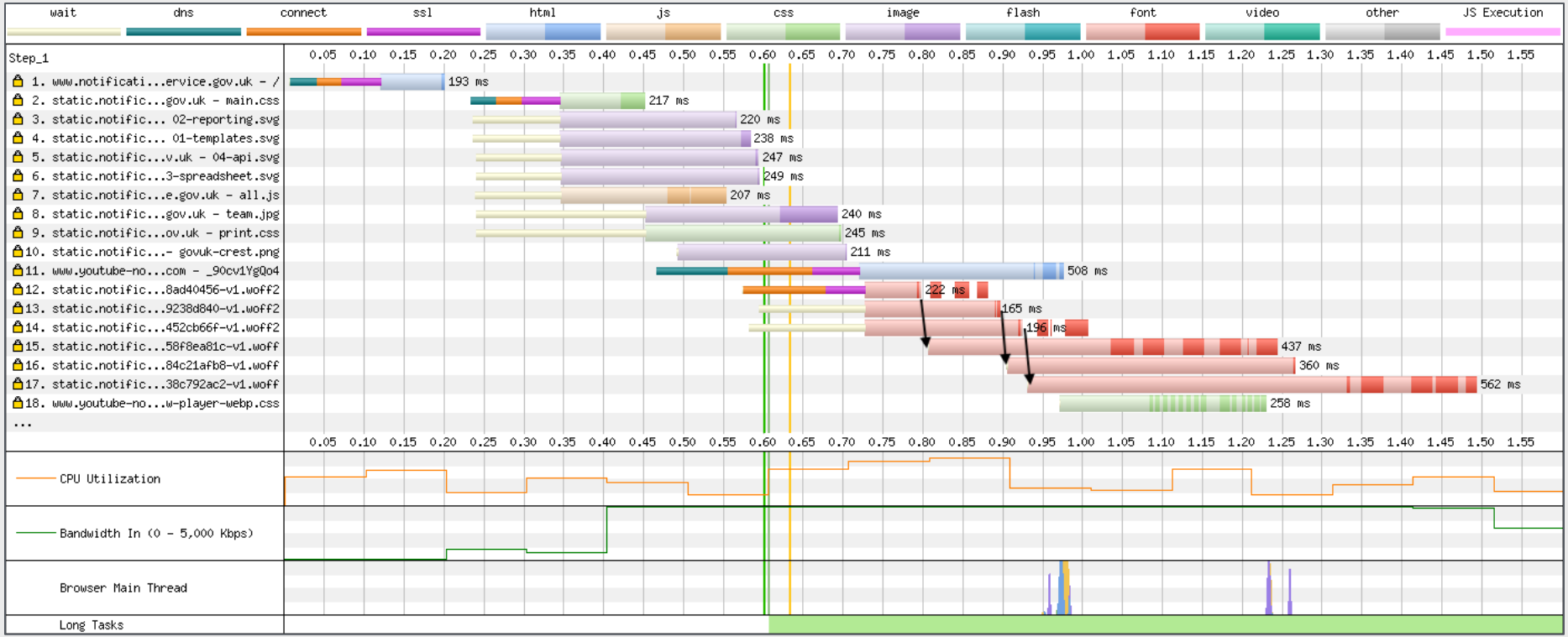
258 ms
0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00 1.05 1.10 1.15 1.20 1.25 1.30 1.35 1.40 1.45 1.50 1.55
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks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JS Execution
Step_1
1. www.notificati...ervice.gov.uk - /
2. static.notific...gov.uk - main.css
3. static.notific... 02-reporting.svg
4. static.notific... 01-templates.svg
5. static.notific...v.uk - 04-api.svg
6. static.notific...3-spreadsheet.svg
7. static.notific...e.gov.uk - all.js
8. static.notific...gov.uk - team.jpg
9. static.notific...ov.uk - print.css
10. static.notific...- govuk-crest.png
11. www.youtube-no...com - _90cv1YgQo4
12. static.notific...8ad40456-v1.woff2
13. static.notific...9238d840-v1.woff2
14. static.notific...452cb66f-v1.woff2
15. static.notific...58f8ea81c-v1.woff
16. static.notific...84c21afb8-v1.woff
17. static.notific...38c792ac2-v1.woff
18. www.youtube-no...w-player-webp.css
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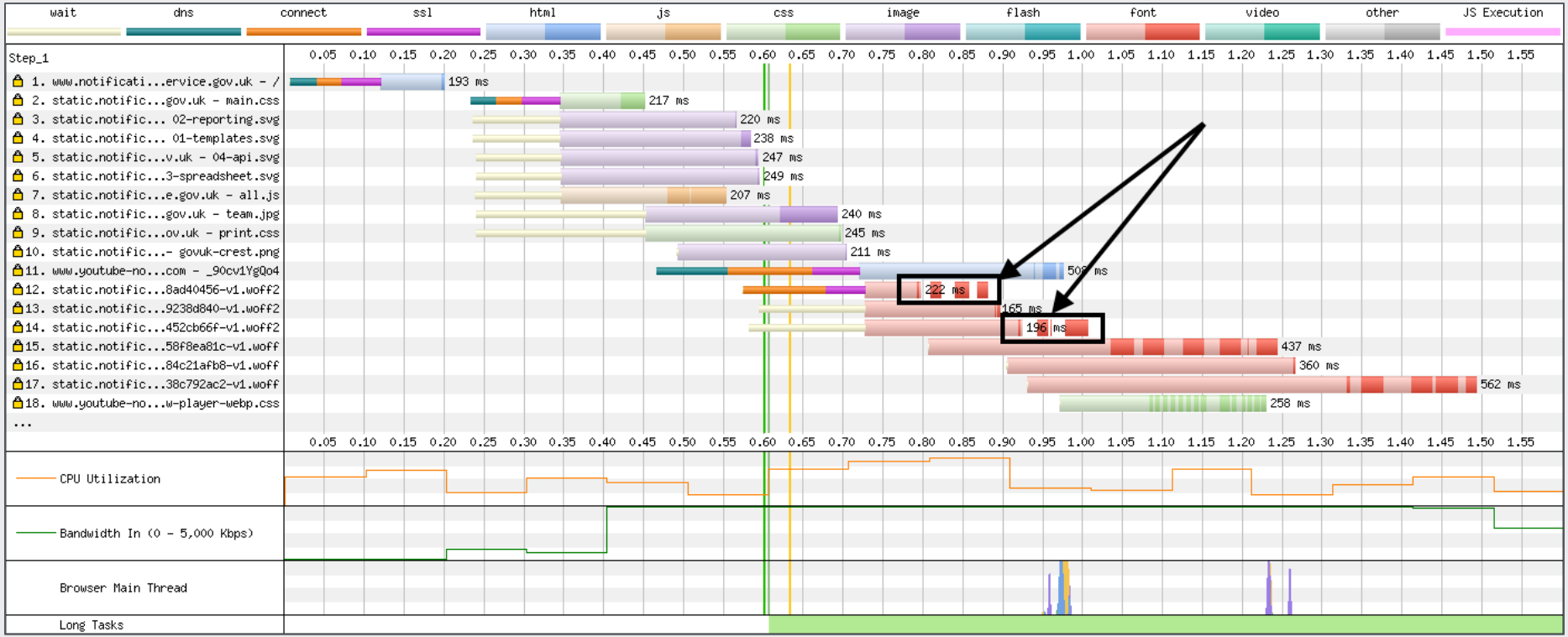
0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00 1.05 1.10 1.15 1.20 1.25 1.30 1.35 1.40 1.45 1.50 1.55
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks


wait
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JS Execution
Step_1
1. www.notificati...ervice.gov.uk - /
2. static.notific...gov.uk - main.css
3. static.notific... 02-reporting.svg
4. static.notific... 01-templates.svg
5. static.notific...v.uk - 04-api.svg
6. static.notific...3-spreadsheet.svg
7. static.notific...e.gov.uk - all.js
8. static.notific...gov.uk - team.jpg
9. static.notific...ov.uk - print.css
10. static.notific...- govuk-crest.png
11. www.youtube-no...com - _90cv1YgQo4
12. static.notific...8ad40456-v1.woff2
13. static.notific...9238d840-v1.woff2
14. static.notific...452cb66f-v1.woff2
15. static.notific...58f8ea81c-v1.woff
16. static.notific...84c21afb8-v1.woff
17. static.notific...38c792ac2-v1.woff
18. www.youtube-no...w-player-webp.css
...
0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00 1.05 1.10 1.15 1.20 1.25 1.30 1.35 1.40 1.45 1.50 1.55
193 ms
217 ms
220 ms
238 ms
247 ms
249 ms
207 ms
240 ms
245 ms
211 ms
222 ms
165 ms
196 ms
437 ms
360 ms
562 ms
258 ms
CPU Utilization
Bandwidth In (0 - 5,000 Kbps)
Browser Main Thread
Long Tasks

More information

- Using WebPageTest - Rick Viscomi, Andy Davies, Marcel Duran
- Velocity 2014 - WebPagetest Power Users - Part 1 - Pat Meenan
- Velocity 2014 - WebPagetest Power Users - Part 2 - Pat Meenan
- Velocity 2014 - WebPagetest Private Instances - Part 1 - Pat Meenan
- Velocity 2014 - WebPagetest Private Instances - Part 2 - Pat Meenan
- Using WebPageTest – Scripting / API / Private Instances - Andy Davies
- How to read a WebPageTest Waterfall View chart - Matt Hobbs
- How to read a WebPageTest Connection View chart - Matt Hobbs
- How to run a WebPageTest test - Matt Hobbs
- How to use WebPageTest's Graph Page Data view - Matt Hobbs

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- Joseph Scott (@josephscott)
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- Šime Vidas (@simevidas)
- Rick Viscomi (@rick_viscomi)
- Radu Micu (@radumicu)
- Jeff Posnick (@jeffposnick)
- George Liu (@centminmod)

Thanks for listening!

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