

Usage Visualization

WHY SHOULD YOU CARE ?

IMPROVED PERFORMANCE

By removing unused resources such as CSS and JS we can reduce the unnecessary overhead of loading and rendering those resources which helps optimize the critical rendering path of a web page resulting in improved performance and faster load times



Every byte of data transferred over the network consumes bandwidth, by eliminating unused resources we can reduce the file size and the number of network requests resulting in lower bandwidth usage which can be a huge benefit for users on slower networks or limited/expensive bandwidth availability EASIER/FASTER DEBUGGING

Getting rid of unused code from production makes debugging any prod issue much easier and faster. With fewer lines of code to analyse developers can identify and resolve issues faster resulting in a more stable and reliable application.



HOW TO FIND OUT UNUSED RESOURCES USING CHROME DEVTOOLS ?





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THE COVERAGE TAB

3-dot menu icon on Developer tools, menu will open up.

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e "More tools" option from the menu, nu will open up, where we need to "Coverage" option



OPEN THE COVERAGE TAB (CONT.)

A new tab for Coverage will show up in the





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UNDERSTANDING THE COVERAGE TABLE

Resource type		Total re	source size Unus	Unused resource s	
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URL	lype	Iotal Bytes		Unused Bytes	Usage Visualiza
/app.chunk.	JS (per function)		927 850	904 714 97.5%	
/app_comm	JS (per function)		320 277	312 657 97.6%	
/app_modul-	JS (per function)		293 155	291 866 99.6%	
/vendor.chu	JS (per function)		265 529	257 207 96.9%	
htt /init.js	JS (per function)		248 736	244 072 98.1%	
/js?id=AW-5	JS (per function)		200 351	156 173 77.9%	
/Home.chun	JS (per function)		140 372	136 657 97.4%	
/MulwidgetE	JS (per function)		133 310	117 398 88.1%	
/app.chunk.	CSS		124 355	106 498 85.6%	
/TravelHome	JS (per function)		142 782	66 705 46.7%	
/nr-spa-121(JS (per function)		50 049	49 096 98.1%	-
h./omni16.js	JS (per function)		48 844	37 144 76%	
/runtime.b31	JS (per function)		25 300	25 280 99.9%	-
/Home.chun	CSS		30 657	25 075 81.8%	-
https://w/	CSS+JS (per fun		31 585	24 681 78.1%	-
/TravelHome	CSS		23 862	21 718 91%	-
/MulwidgetE	CSS		2 422	2 052 84.7%	1
(CroativoRa)	JS (per function)		4 255	713 16.8%	

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UNDERSTANDING THE COVERAGE TABLE

URL	Туре	Total Bytes	Unuse	Пат	ravaliana chun 3 ie:formattad X
/app.chunk.	JS (per function)	927 850		325	if (le)
/app_comm	JS (per function)	320 277		326	return;
/app modul-	JS (per function)	293 155		327	if ("string"
/vendor.chu	JS (per function)	265 529		328	var n = Obje
htt /init in	IC (per function)	040 700	Unused	330	"Object" ===
ntt /init.js	JS (per function)	248 / 30		331	if ("Map" ==
/js?id=AW-5	JS (per function)	200 351		332	return A
/Home.chun	JS (per function)	140 372		334	return
/MulwidgetE	JS (per function)	133 310		335	}(e, t) funct
/app.chunk.!	CSS	124 355		336	throw new Ty
/TravelHome	JS (per function)	142 782		338	}
/nr-spa-121(JS (per function)	50 049		339 340	<pre>function Y(e, t) { (null == t t</pre>
h/omni16.is	JS (per function)	48 844		341	for (var n = 0,
/runtime.b31	JS (per function)	25 300		342	r[n] = e[n];
/Home chun	CSS	30.657		344	}
https://w /	CSS+JS (ner fun	31 585		345	<pre>function W(e, t) { if (!(e instance))</pre>
/Travalllama	000100 (par lan	00 000		340	throw new Ty
/ travelmome	055	23 802	llsed	348	}
/MulwidgetE	CSS	2 422	USCU	349	function H(e, t) {
/CreativeBar	JS (per function)	4 255		350 351	for (var $n = 0$; var $r = t[n]$

Clicking on any resource will show the line-by-line coverage details

```
== typeof e)
Y(e, t);
ect.prototype.toString.call(e).slice(8, -1);
= n && e.constructor && (n = e.constructor.name);
== n || "Set" === n)
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nts" === n || /^(?:Ui|I)nt(?:8|16|32)(?:Clamped)?Array$/.te
Y(e, t)
tion() {
ypeError("Invalid attempt to destructure non-iterable insta
> e.length) && (t = e.length);
r = new Array(t); n < t; n++)
eof t))
ypeError("Cannot call a class as a function")
n < t.length; n++) {</pre>
į.,
```

NOTE



It's important to note that when code is flagged as unused during coverage recording, it doesn't necessarily mean it will never be used. It simply indicates that it was not utilized during the specific period of coverage analysis. Consider an if-else block as an example: Only the block with a true condition gets executed, resulting in the remaining blocks being marked as unused. However, this doesn't render the other blocks unnecessary throughout the entire lifespan of the application.



learn, share & follow.



