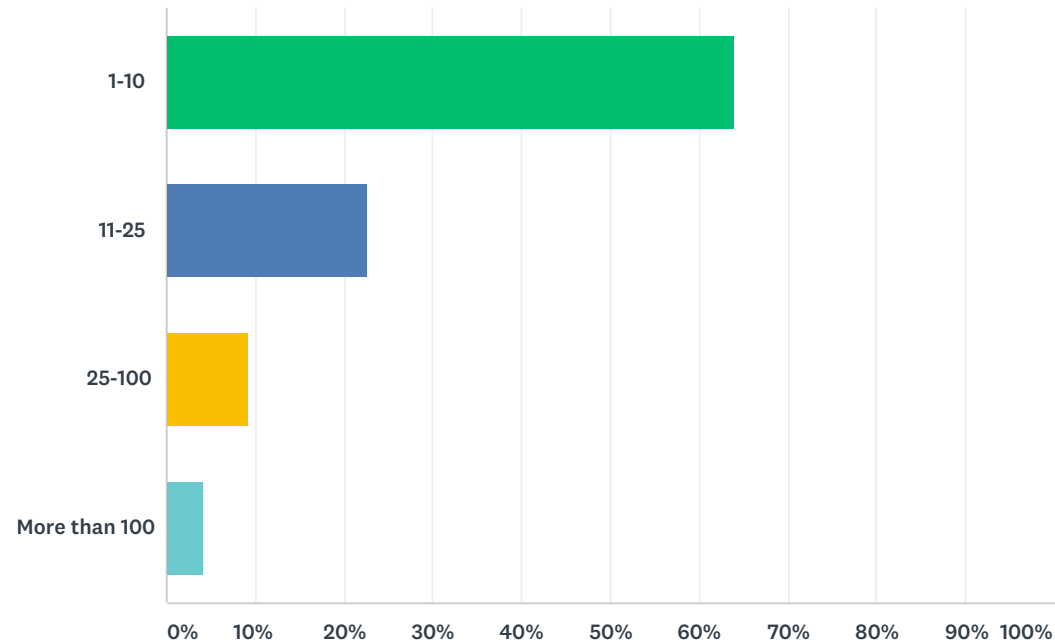


## Q1 How many Node.js applications does your organization have in production? [select one]

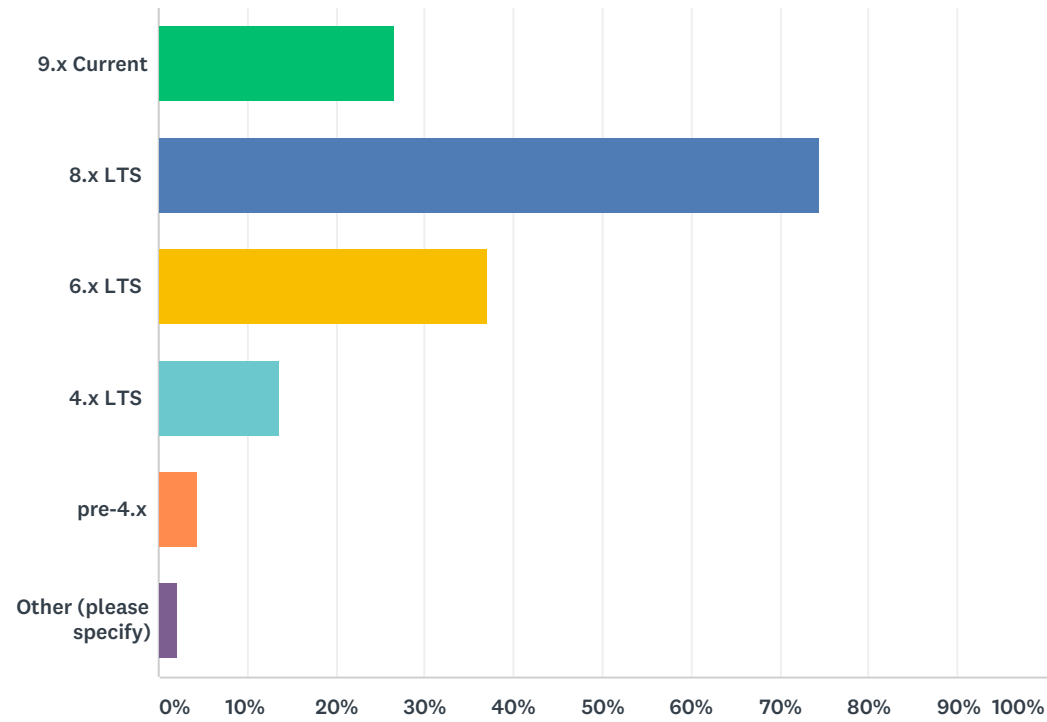
Answered: 291 Skipped: 3



ANSWER CHOICES	RESPONSES	
1-10	63.92%	186
11-25	22.68%	66
25-100	9.28%	27
More than 100	4.12%	12
TOTAL		291

## Q2 What version of Node.js do you currently use for production? [select all that apply]

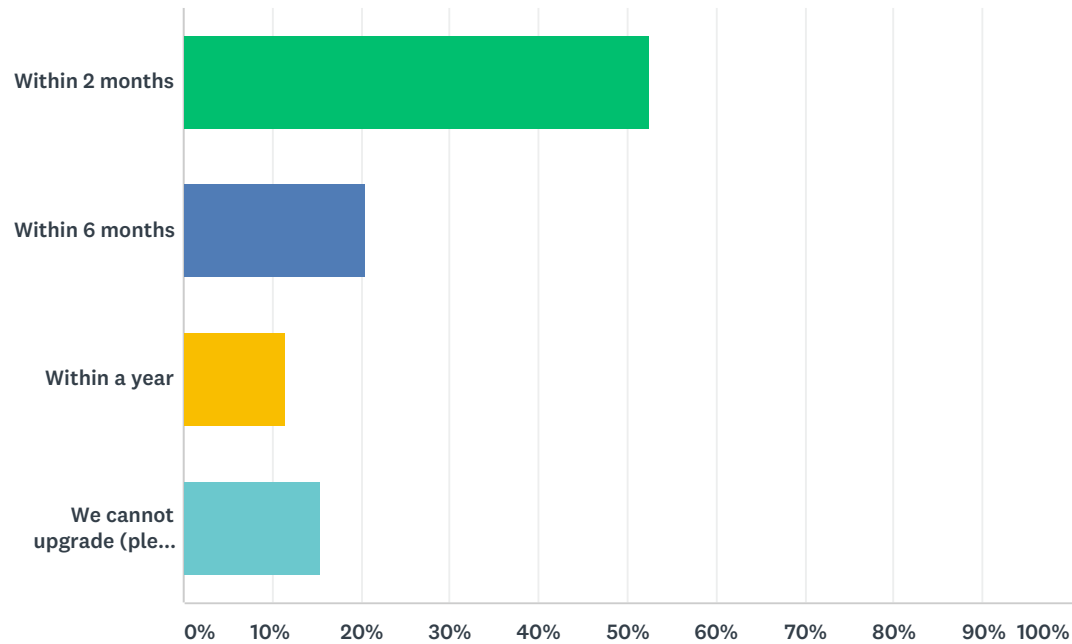
Answered: 294 Skipped: 0



ANSWER CHOICES	RESPONSES	
9.x Current	26.53%	78
8.x LTS	74.49%	219
6.x LTS	37.07%	109
4.x LTS	13.61%	40
pre-4.x	4.42%	13
Other (please specify)	2.04%	6
Total Respondents: 294		

### Q3 If you are not using the 8.x LTS release when are you planning to upgrade to that version?

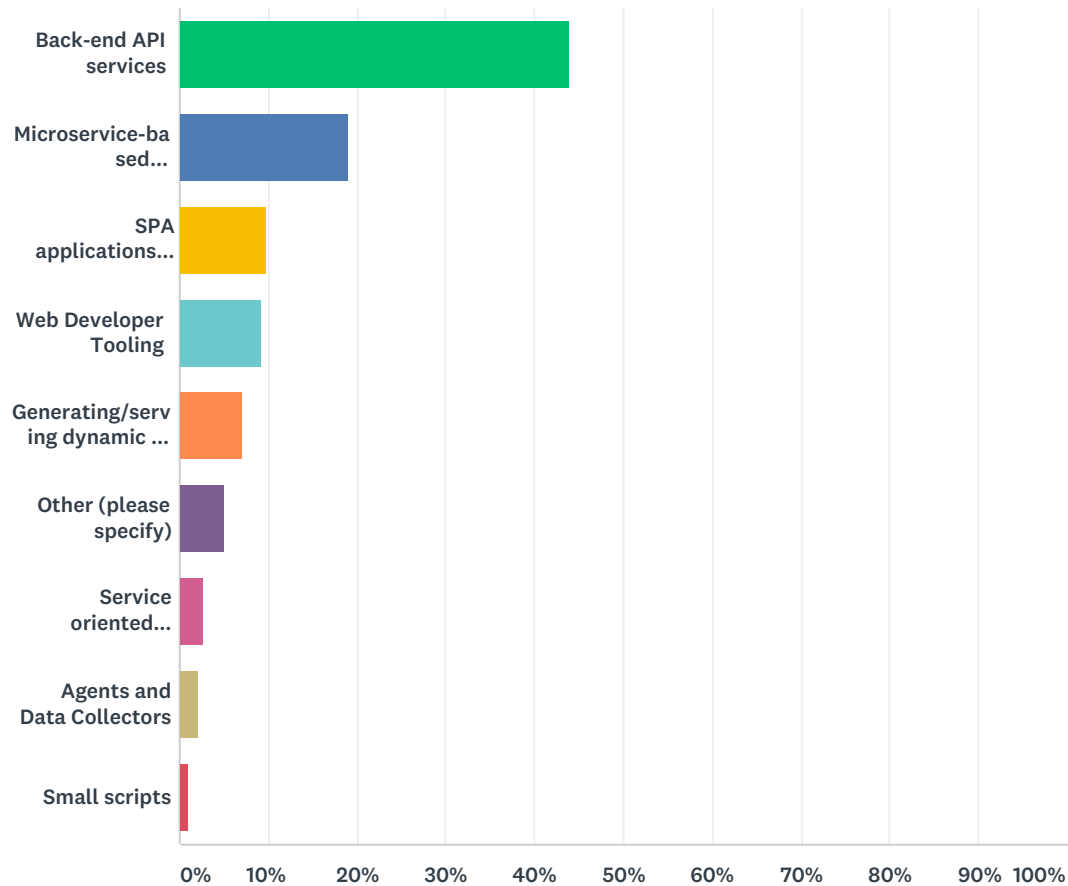
Answered: 200 Skipped: 94



ANSWER CHOICES	RESPONSES	
Within 2 months	52.50%	105
Within 6 months	20.50%	41
Within a year	11.50%	23
We cannot upgrade (please explain)	15.50%	31
<b>TOTAL</b>		<b>200</b>

## Q4 What is your primary use case for Node? (Detailed descriptions of use cases)

Answered: 294 Skipped: 0



ANSWER CHOICES	RESPONSES	
Back-end API services	43.88%	129
Microservice-based applications	19.05%	56
SPA applications with bidirectional communication over WebSockets and/or HTTP/2	9.86%	29
Web Developer Tooling	9.18%	27

## 2017 Benchmarking Working Group Survey

Generating/serving dynamic web page content	7.14%	21
Other (please specify)	5.10%	15
Service oriented architectures (SOA)	2.72%	8
Agents and Data Collectors	2.04%	6
Small scripts	1.02%	3
TOTAL		294

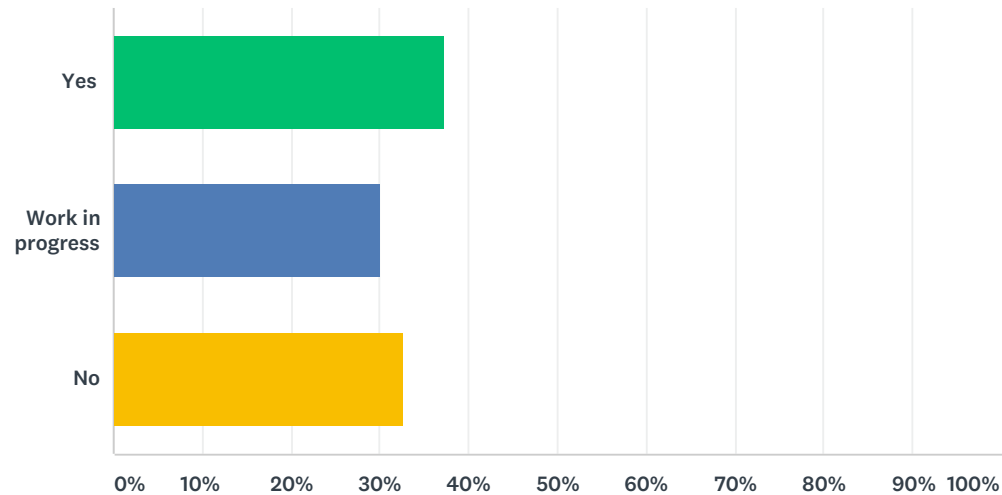
## Q5 What are the top 5 Node modules that you use most often?

Answered: 264 Skipped: 30

ANSWER CHOICES	RESPONSES	
Module 1	100.00%	264
Module 2	98.11%	259
Module 3	89.77%	237
Module 4	79.92%	211
Module 5	70.45%	186

## Q6 Do you have infrastructure in place for tracking performance on your applications?

Answered: 288 Skipped: 6



ANSWER CHOICES	RESPONSES	
Yes	37.15%	107
Work in progress	30.21%	87
No	32.64%	94
TOTAL		288

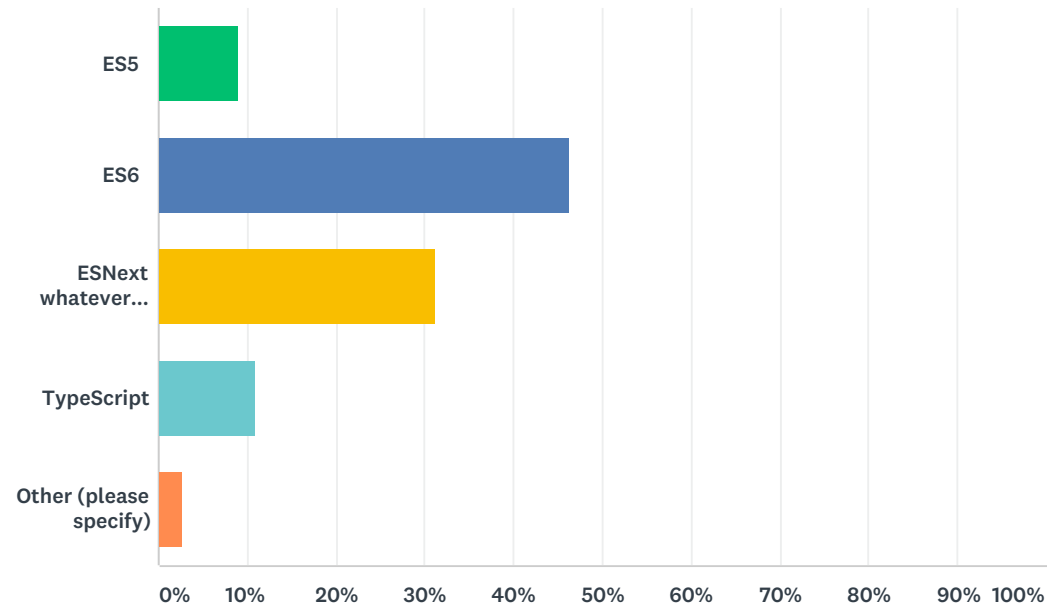
Q7 If you're tracking performance, which applications do you track performance on?

Answered: 153   Skipped: 141



## Q8 What kind of language dialect do you use?

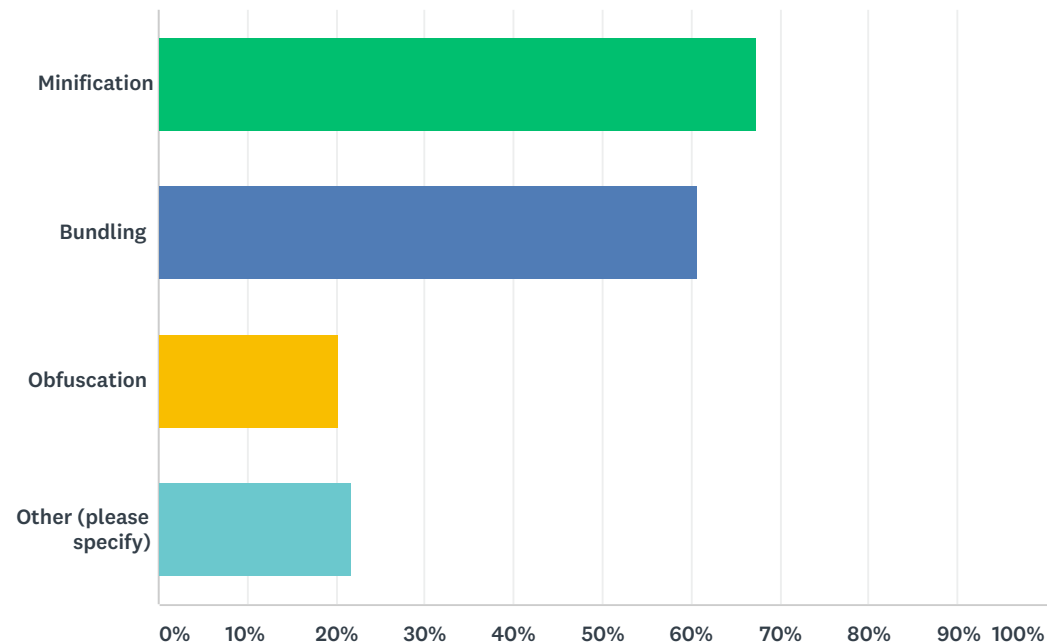
Answered: 292 Skipped: 2



ANSWER CHOICES	RESPONSES	
ES5	8.90%	26
ES6	46.23%	135
ESNext whatever supported by most recent Node version	31.16%	91
TypeScript	10.96%	32
Other (please specify)	2.74%	8
TOTAL		292

## Q9 What type of optimization passes do you run on your JavaScript before you deploy it to Node.js?

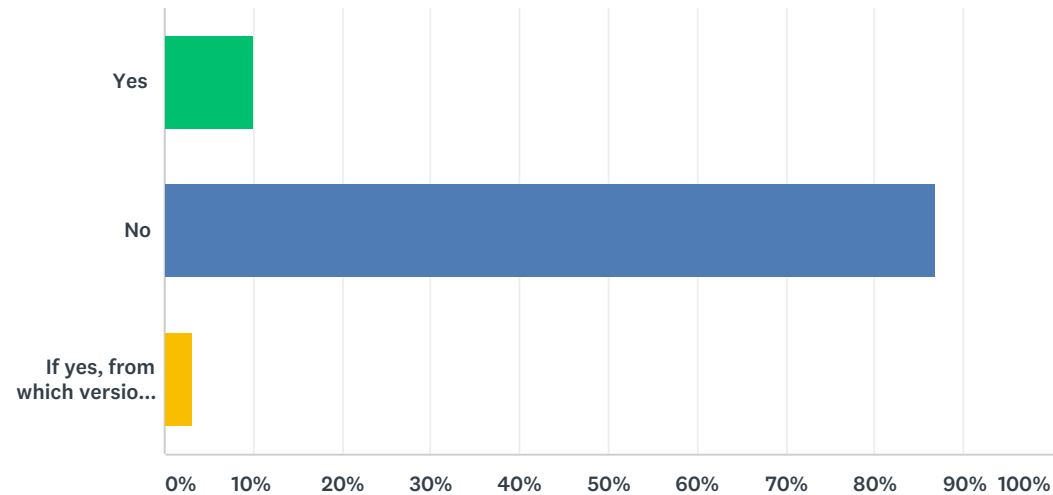
Answered: 211 Skipped: 83



ANSWER CHOICES	RESPONSES	
Minification	67.30%	142
Bundling	60.66%	128
Obfuscation	20.38%	43
Other (please specify)	21.80%	46
Total Respondents: 211		

## Q10 Have you experienced performance regressions when upgrading Node.js versions?

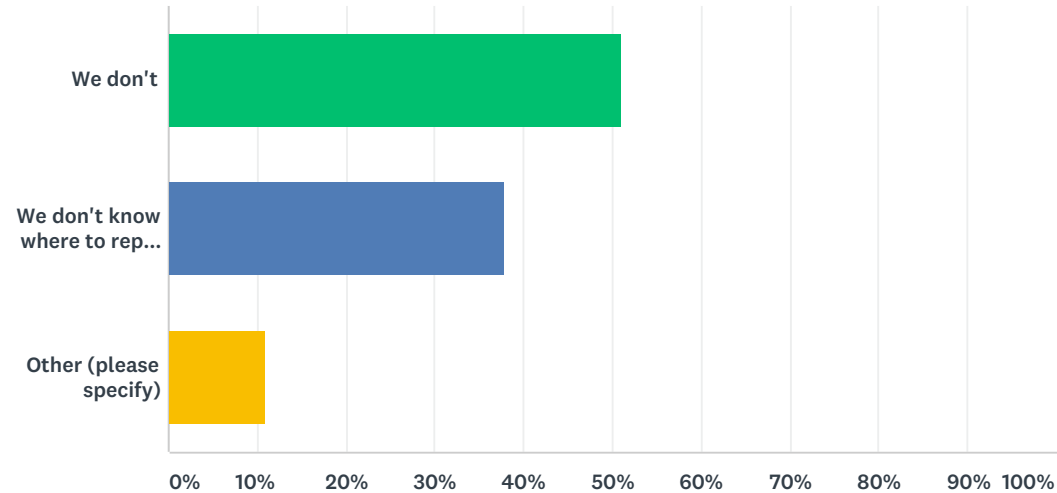
Answered: 288 Skipped: 6



ANSWER CHOICES		RESPONSES	
Yes		10.07%	29
No		86.81%	250
If yes, from which version to which version?		3.13%	9
TOTAL			288

## Q11 Where do you report performance regressions if you see them?

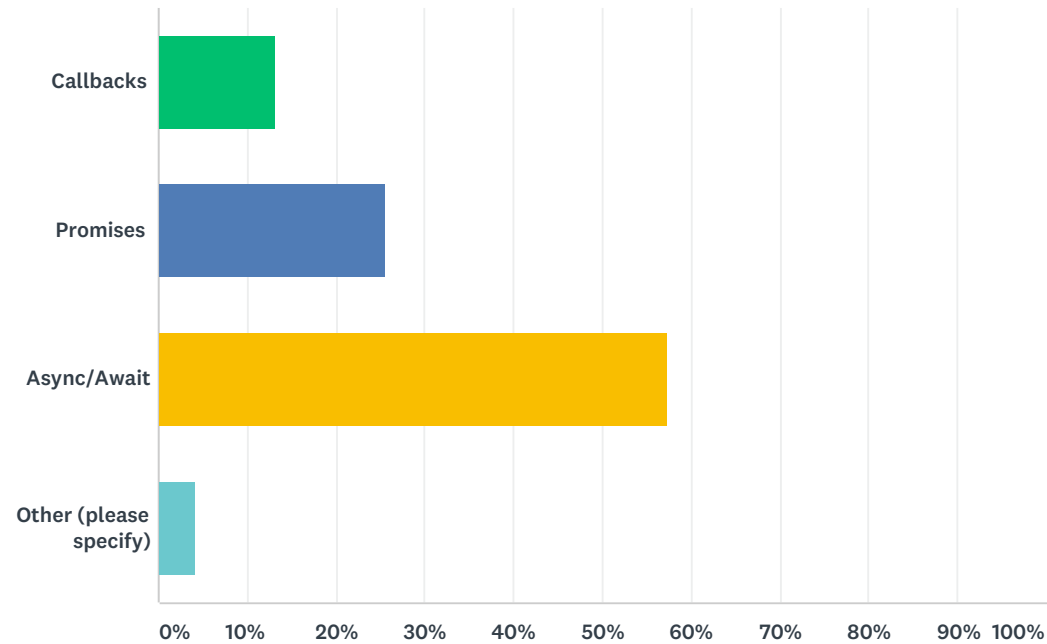
Answered: 266 Skipped: 28



ANSWER CHOICES	RESPONSES	
We don't	51.13%	136
We don't know where to report them	37.97%	101
Other (please specify)	10.90%	29
TOTAL		266

## Q12 What's your preferred way to write asynchronous code?

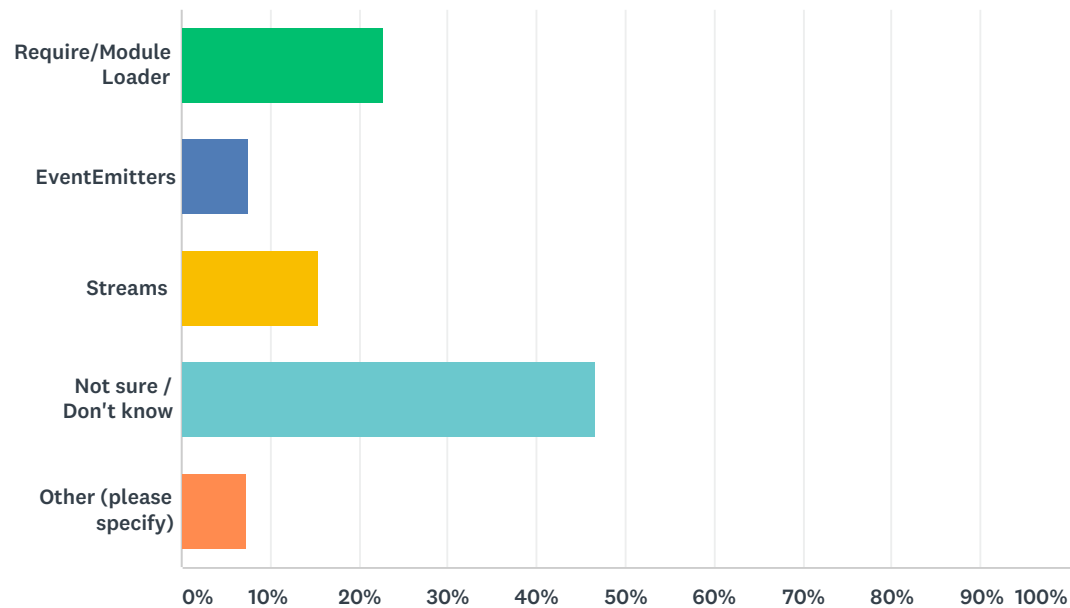
Answered: 290 Skipped: 4



ANSWER CHOICES	RESPONSES	
Callbacks	13.10%	38
Promises	25.52%	74
Async/Await	57.24%	166
Other (please specify)	4.14%	12
TOTAL		290

## Q13 Which Node.js features, if any, do you believe affect your applications' performance the most?

Answered: 289 Skipped: 5



ANSWER CHOICES	RESPONSES	
Require/Module Loader	22.84%	66
EventEmitters	7.61%	22
Streams	15.57%	45
Not sure / Don't know	46.71%	135
Other (please specify)	7.27%	21
TOTAL		289

## Q14 What tools do you use to investigate performance issues?

Answered: 164   Skipped: 130

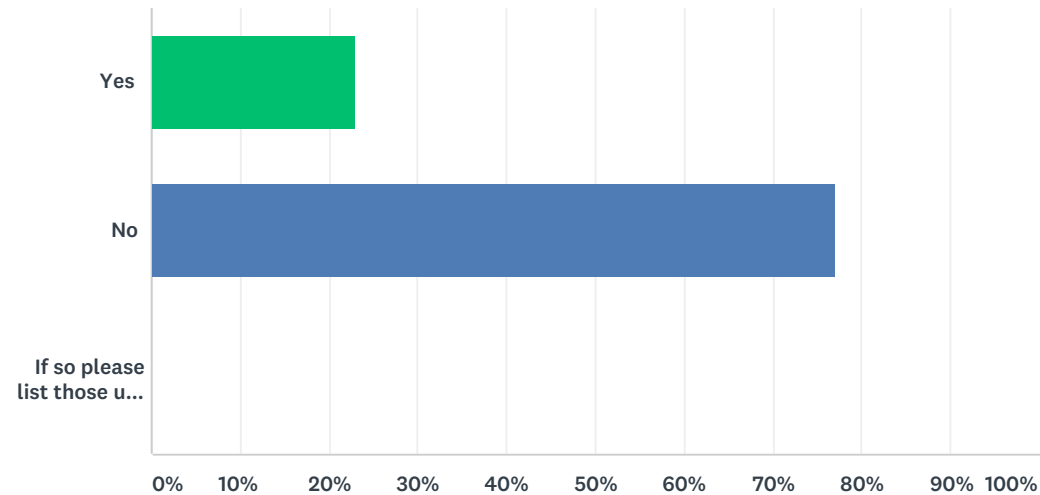
## Q15 What command line options do you use to investigate performance issues?

Answered: 126   Skipped: 168



## Q16 Do you have use cases where you cannot use Node.js because it is single threaded?

Answered: 282 Skipped: 12



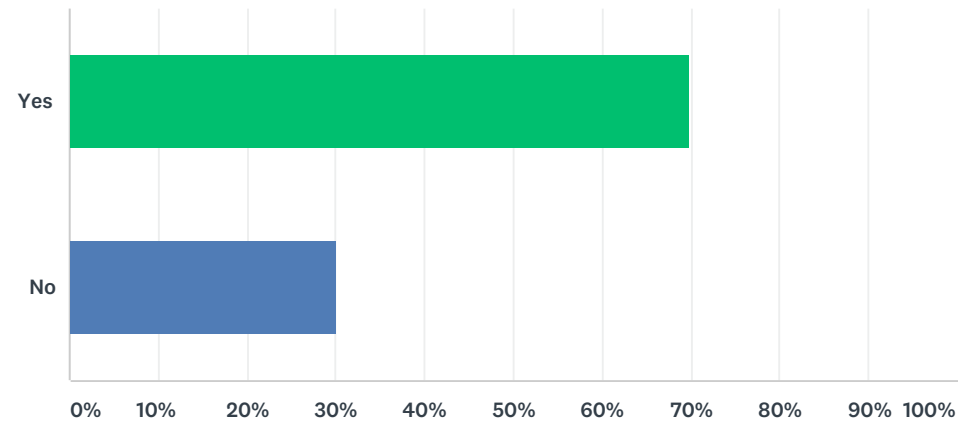
ANSWER CHOICES		RESPONSES	
Yes		23.05%	65
No		76.95%	217
If so please list those use cases: _____		0.00%	0
TOTAL			282

## Q17 Please list the use cases

Answered: 99   Skipped: 195

Q18 Would a worker model where additional threads are available but data is exchanged as messages or shared array buffers for your applications be useful to the applications you are building?

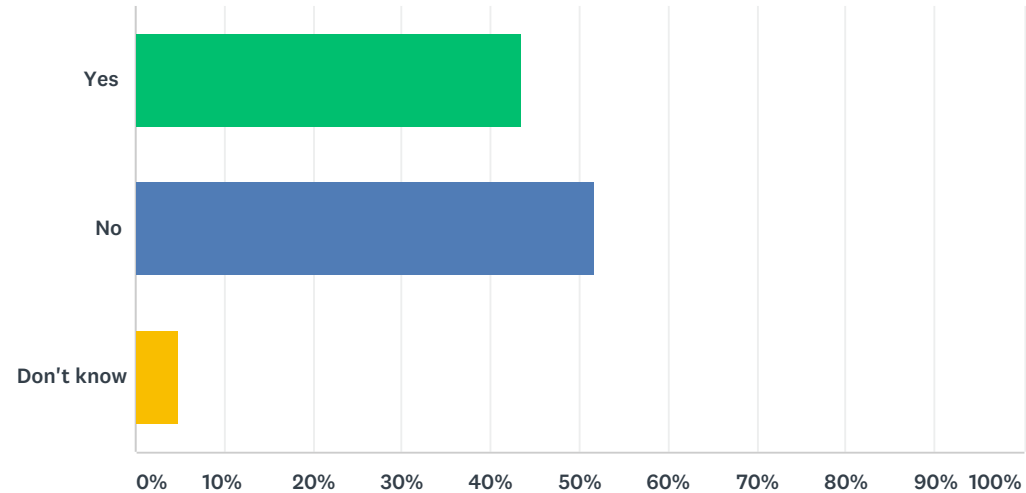
Answered: 278 Skipped: 16



ANSWER CHOICES		RESPONSES	
Yes		69.78%	194
No		30.22%	84
TOTAL			278

## Q19 Is startup time important to your use case?

Answered: 285 Skipped: 9



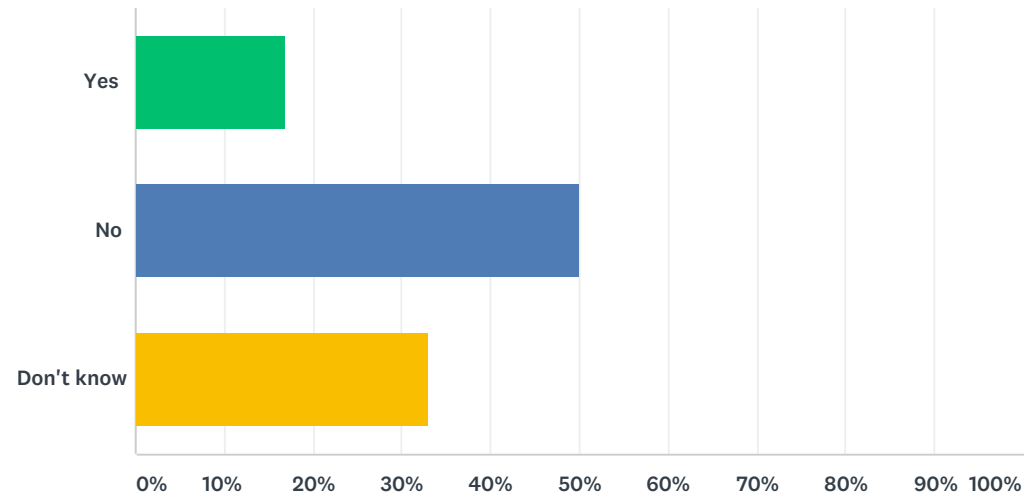
ANSWER CHOICES	RESPONSES	
Yes	43.51%	124
No	51.58%	147
Don't know	4.91%	14
TOTAL		285

## Q20 Please list use cases for which startup time is important

Answered: 139   Skipped: 155

## Q21 Do garbage collector or optimizer pauses cause problems for your application?

Answered: 284 Skipped: 10



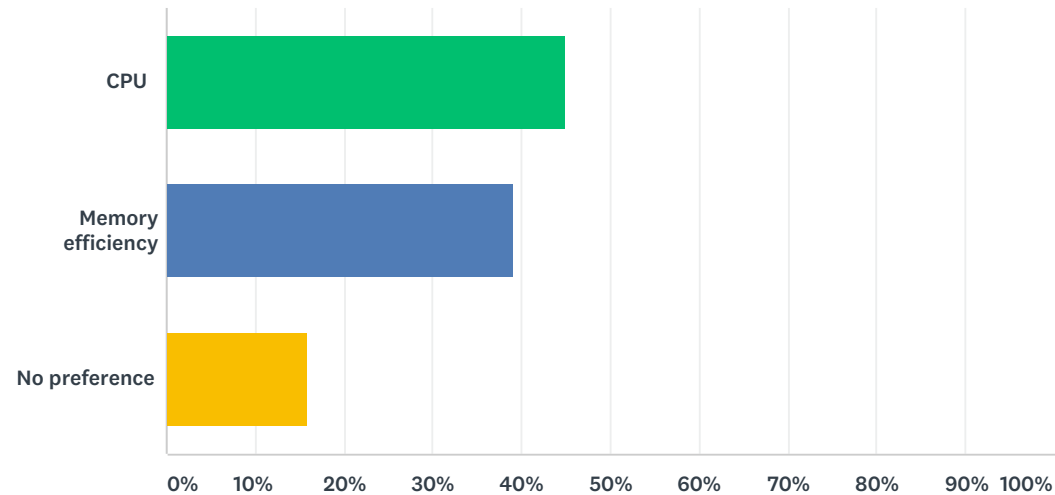
ANSWER CHOICES		RESPONSES	
Yes		16.90%	48
No		50.00%	142
Don't know		33.10%	94
TOTAL			284

## Q22 How long are the pauses that you observe and in what use cases?

Answered: 96   Skipped: 198

## Q23 If you had to choose one, would you want the Node.js community to improve?

Answered: 283 Skipped: 11



ANSWER CHOICES		RESPONSES	
CPU		44.88%	127
Memory efficiency		39.22%	111
No preference		15.90%	45
TOTAL			283



## Q24 Which JavaScript language/Node.js features would you like to see optimized next?

Answered: 159   Skipped: 135