

Dash.js Project Priorities Survey

Completed Responses

39

Partial Responses

0

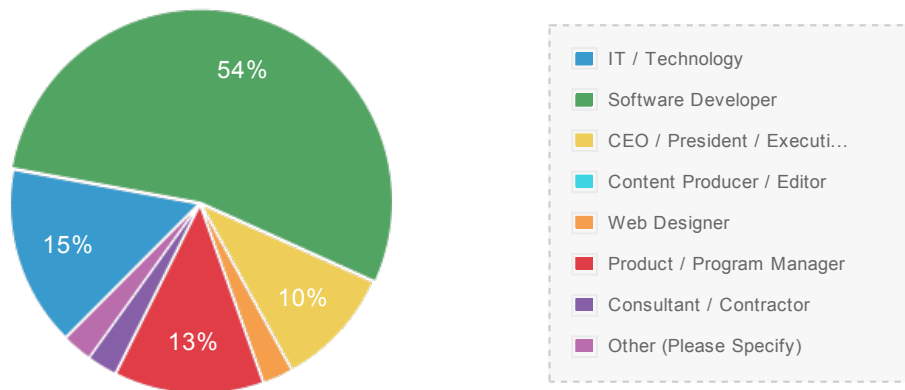
Survey Visits

187

Q1

What is your primary role in the entity you use dash.js for? Please pick one:

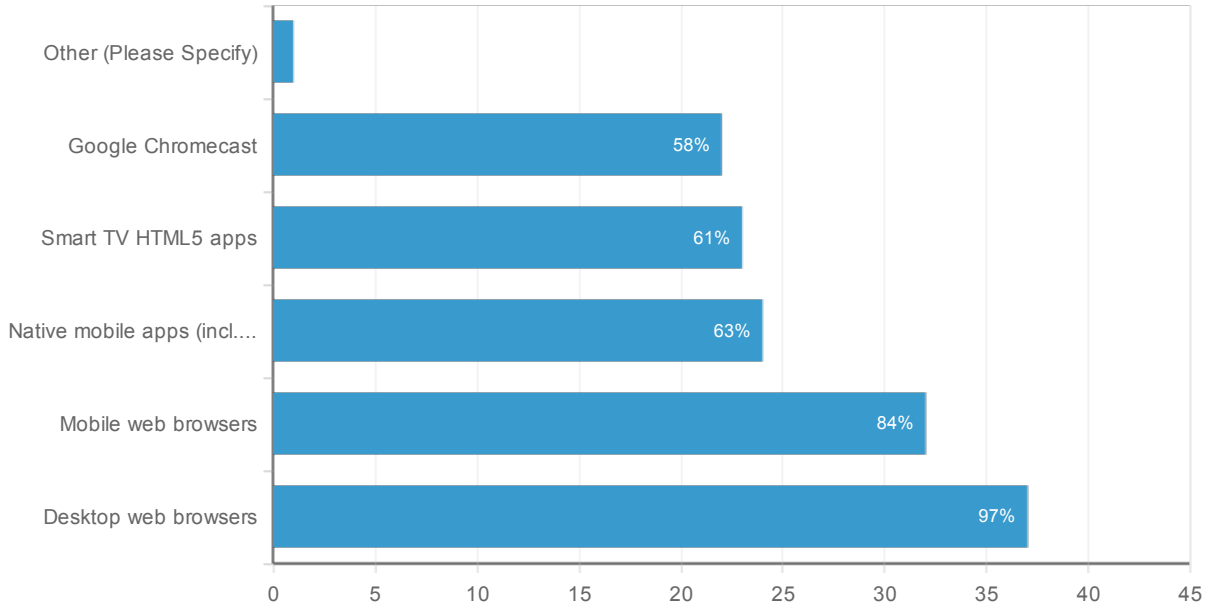
Answered: 39 Skipped: 0



	Response Percent	Response Count
IT / Technology	15.38%	6
Software Developer	53.85%	21
CEO / President / Executive	10.26%	4
Content Producer / Editor	0.0%	0
Web Designer	2.56%	1
Product / Program Manager	12.82%	5
Consultant / Contractor	2.56%	1
Other (Please Specify)	2.56%	1
1. Standards and Prototypes		

To which platforms do you intend to deploy DASH in 2015? Select all that apply:

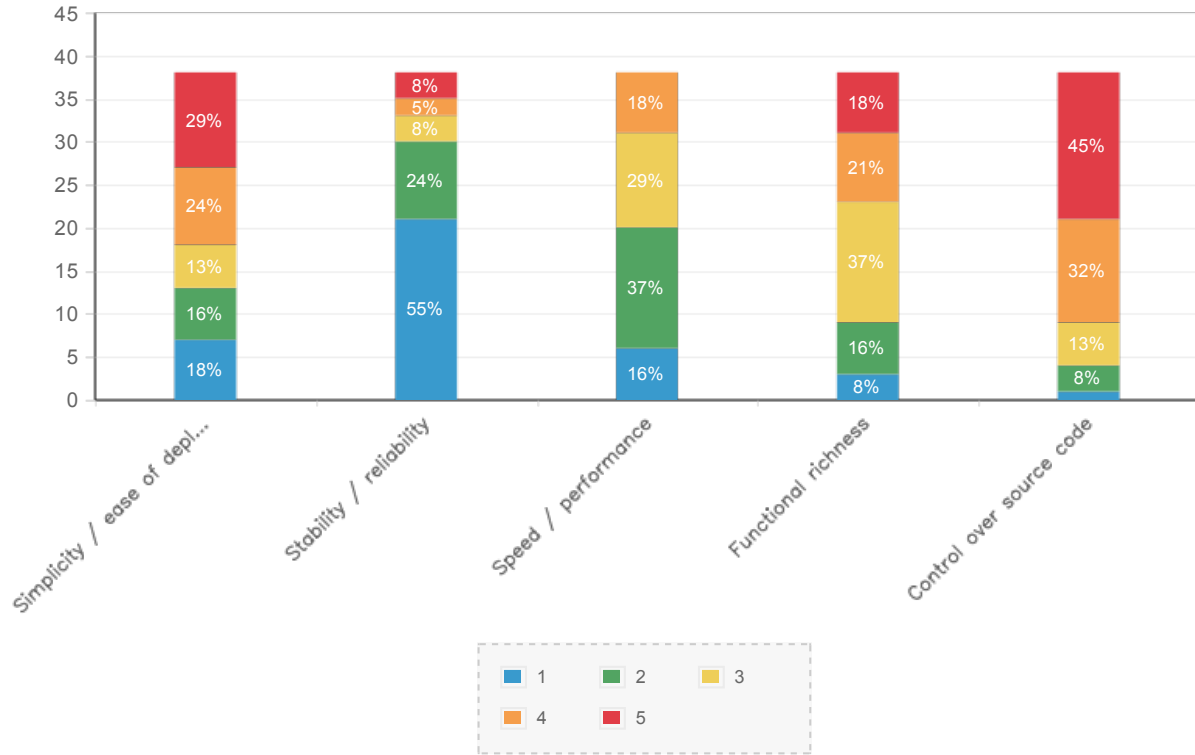
Answered: 38 Skipped: 1



	Response Percent	Response Count
Desktop web browsers	97.37%	37
Mobile web browsers	84.21%	32
Native mobile apps (incl. webview)	63.16%	24
Smart TV HTML5 apps	60.53%	23
Google Chromecast	57.89%	22
Other (Please Specify)	2.63%	1
1. HbbTV		

What's most important to you in an adaptive streaming framework? Stack-rank the following:

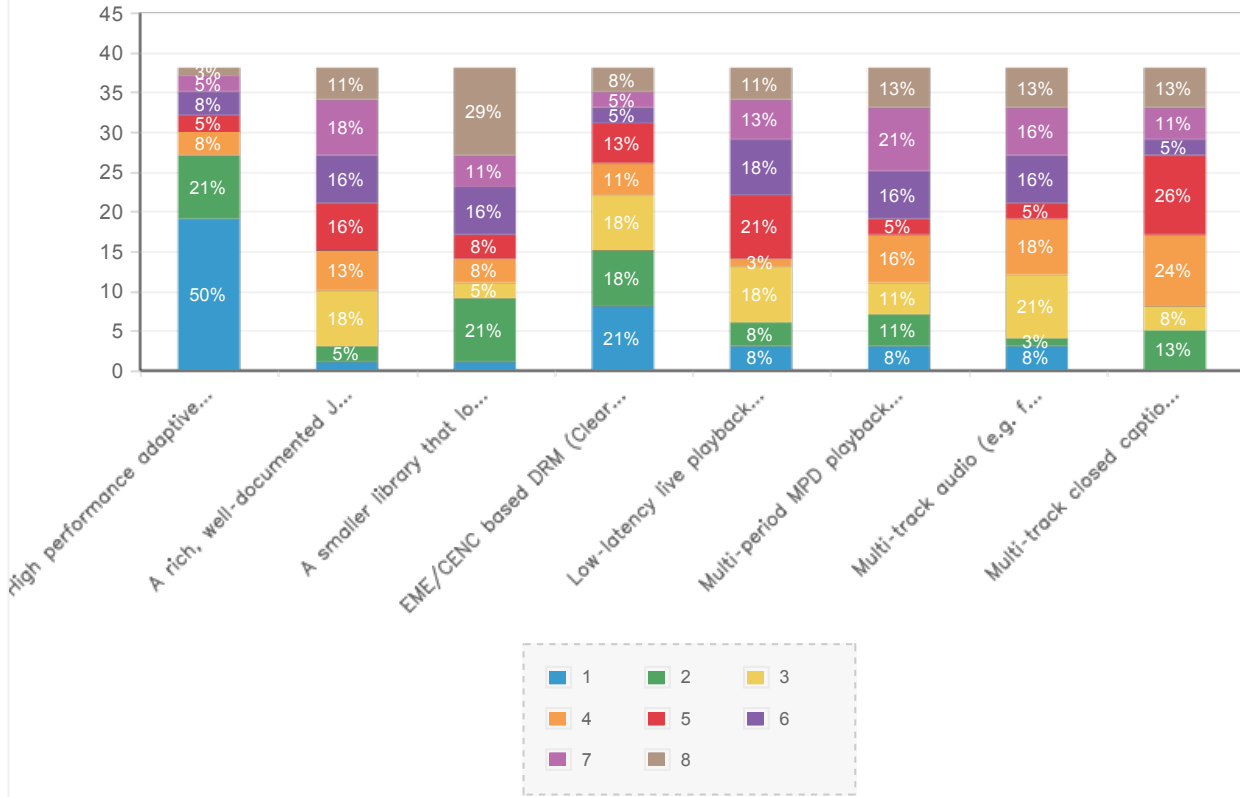
Answered: 38 Skipped: 1



	1	2	3	4	5	Response Count
Simplicity / ease of deployment	18.42% (7)	15.79% (6)	13.16% (5)	23.68% (9)	28.95% (11)	38
Stability / reliability	55.26% (21)	23.68% (9)	7.89% (3)	5.26% (2)	7.89% (3)	38
Speed / performance	15.79% (6)	36.84% (14)	28.95% (11)	18.42% (7)	0.0% (0)	38
Functional richness	7.89% (3)	15.79% (6)	36.84% (14)	21.05% (8)	18.42% (7)	38
Control over source code	2.63% (1)	7.89% (3)	13.16% (5)	31.58% (12)	44.74% (17)	38

What upcoming dash.js functionality is most important to you? Stack-rank the following:

Answered: 38 Skipped: 1



	1	2	3	4	5	6	7	8	Response Count
High performance adaptive heuristics (fast startup, minimal stalling, etc)	50.0% (19)	21.05% (8)	0.0% (0)	7.89% (3)	5.26% (2)	7.89% (3)	5.26% (2)	2.63% (1)	38
A rich, well-documented JavaScript API (for QOS stats, HD/CC menus, etc.)	2.63% (1)	5.26% (2)	18.42% (7)	13.16% (5)	15.79% (6)	15.79% (6)	18.42% (7)	10.53% (4)	38
A smaller library that loads and executes faster (dash.js is now 220kB)	2.63% (1)	21.05% (8)	5.26% (2)	7.89% (3)	7.89% (3)	15.79% (6)	10.53% (4)	28.95% (11)	38
EME/CENC based DRM (Clearkey, Widevine, Playready)	21.05% (8)	18.42% (7)	18.42% (7)	10.53% (4)	13.16% (5)	5.26% (2)	5.26% (2)	7.89% (3)	38
Low-latency live playback (targeting <5s from ingest to playback)	7.89% (3)	7.89% (3)	18.42% (7)	2.63% (1)	21.05% (8)	18.42% (7)	13.16% (5)	10.53% (4)	38
Multi-period MPD playback (e.g. for ad stitching, stream discontinuities)	7.89% (3)	10.53% (4)	10.53% (4)	15.79% (6)	5.26% (2)	15.79% (6)	21.05% (8)	13.16% (5)	38
Multi-track audio (e.g. for multiple languages or AD)	7.89% (3)	2.63% (1)	21.05% (8)	18.42% (7)	5.26% (2)	15.79% (6)	15.79% (6)	13.16% (5)	38
Multi-track closed captioning (VTT & SMPTE-TT)	0.0% (0)	13.16% (5)	7.89% (3)	23.68% (9)	26.32% (10)	5.26% (2)	10.53% (4)	13.16% (5)	38

Are there any feature(s) you absolutely require not in this list? Please share them:

Answered: 8 Skipped: 31

1 . Testing

2 . Multichannel audio support, support for optional codecs

3 . Absolute stability and reliability - I never want to see dash.js just give up and stop playback, sitting there looking at the user like a smiling potato. If failures occur - e.g. a fragment is not available from the CDN in time - I expect them to be retried if possible or overcome by skipping the unplayable data.

4 . Faster channel change change

Ad Insertion

5 . richer performance measurement APIs such as FPS, dropped frames, etc.

dynamic timeline manipulation, for instance for ad insertion without manipulating, re parsing MPD

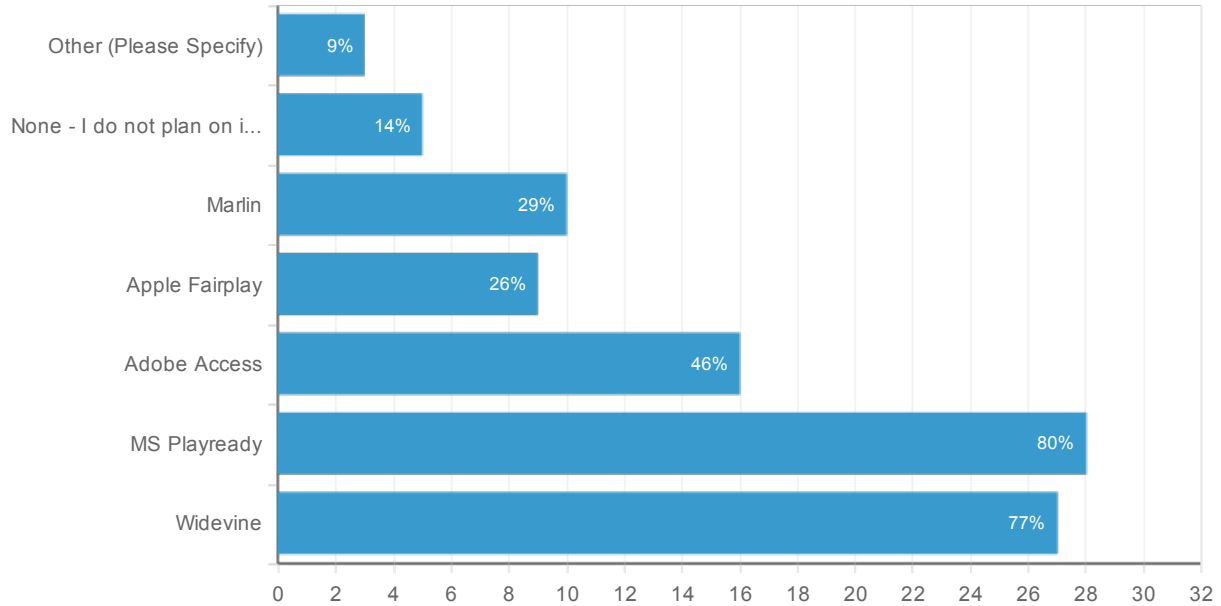
6 . Plugging in third party libraries for things such as Ad-injection & Analytics trackers.

7 . An improved live edge detection algorithm, not dependant on client clock

8 . Front to back examples using nginx-rtmp (open source) via Vagrant file. Would assist in this.

If implementing EME with CENC, which key systems will you need to support?

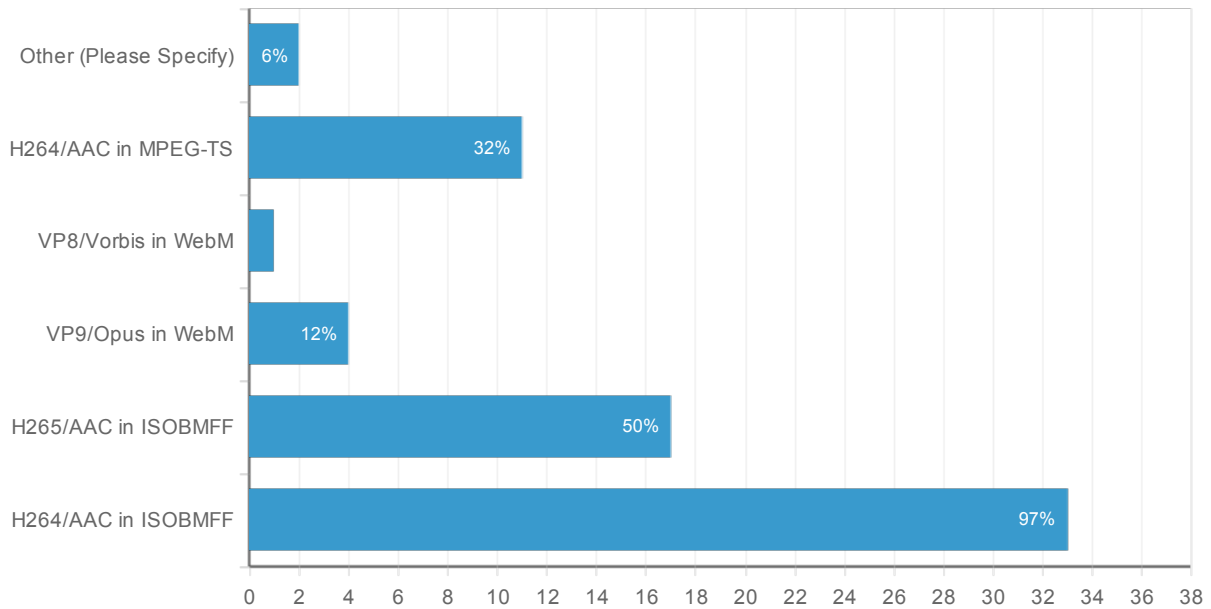
Answered: 35 Skipped: 4



	Response Percent	Response Count
Widevine	77.14%	27
MS Playready	80.0%	28
Adobe Access	45.71%	16
Apple Fairplay	25.71%	9
Marlin	28.57%	10
None - I do not plan on implementing EME	14.29%	5
Other (Please Specify)	8.57%	3
1. verimatrix, key rotation 2. proprietary CAS systems that pre-deliver a key to the CDM 3. Cisco VideoGuard		

Which media formats will you deploy using DASH in 2015? Select all that apply:

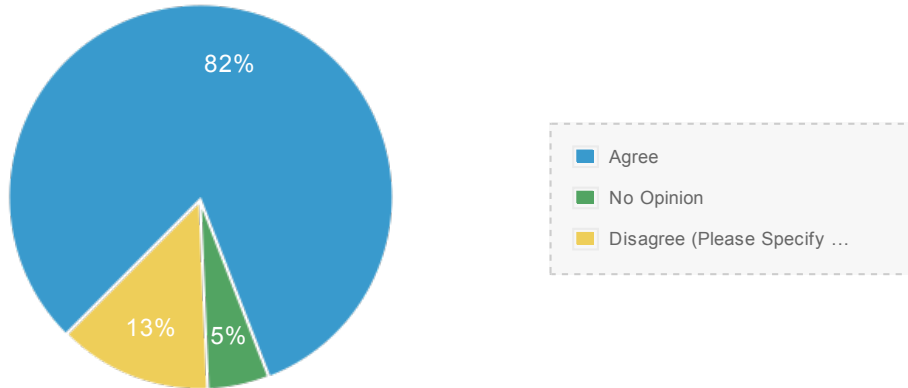
Answered: 34 Skipped: 5



	Response Percent	Response Count
H264/AAC in ISOBMFF	97.06%	33
H265/AAC in ISOBMFF	50.0%	17
VP9/Opus in WebM	11.76%	4
VP8/Vorbis in WebM	2.94%	1
H264/AAC in MPEG-TS	32.35%	11
Other (Please Specify)	5.88%	2
1. various custom formats		
2. HEVC/EAC-3		

We plan to improve upon dash.js performance and filesize by removing abstraction layers that potentially enable playback of other adaptive formats (Smooth, HDS, HLS). In short, we want to make dash.js better by focusing solely on DASH. Do you agree with this?

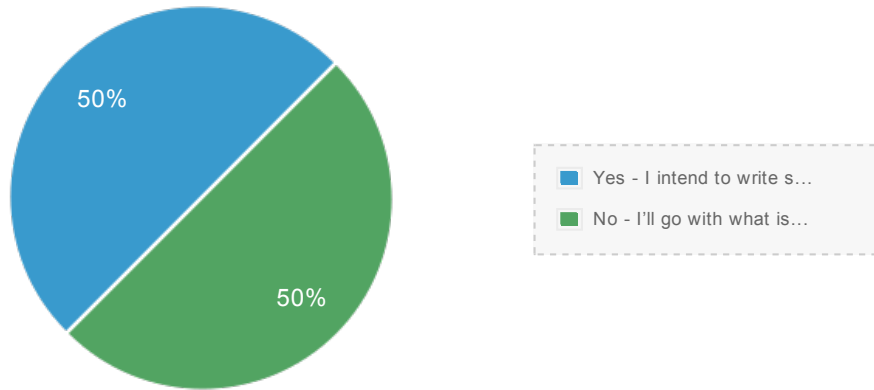
Answered: 38 Skipped: 1



	Response Percent	Response Count
Agree	81.58%	31
No Opinion	5.26%	2
Disagree (Please Specify Why)	13.16%	5
1. (Empty)		
2. We will have to support those other formats one way or another. If dash.js provides that abstraction layer as a way to plug it in - perfect!. Otherwise, all stability reached by the project will break since we'll likely have to fork the project.		
3. Removing features such as those makes the player less viable to use for anything but proof of concepts. It would be better to leave it out of the default player but retain the ability to optionally include it when needed.		
4. a DASH-only world isn't practical and supporting multiple video players is expensive		
5. A unified solution has great value, and those other formats are not going away anytime soon		

Assuming the dash.js heuristics will soon be industry leading, will you ever write custom switching or adaptation rules for dash.js?

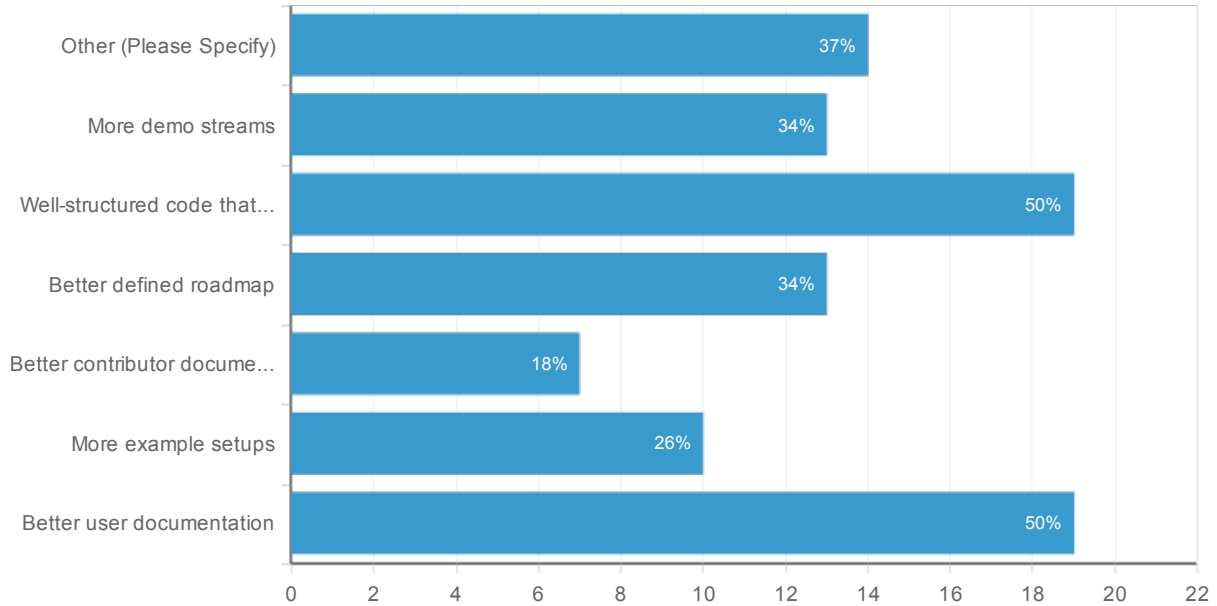
Answered: 38 Skipped: 1



	Response Percent	Response Count
Yes - I intend to write some custom rules	50.0%	19
No - I'll go with what is provided.	50.0%	19

Finally, what are the dash.js project's biggest areas for improvement? Select all that apply:

Answered: 38 Skipped: 1



	Response Percent	Response Count
Better user documentation	50.0%	19
More example setups	26.32%	10
Better contributor documentation	18.42%	7
Better defined roadmap	34.21%	13
Well-structured code that is easy to adapt	50.0%	19
More demo streams	34.21%	13
Other (Please Specify)	36.84%	14
<ol style="list-style-type: none"> 1. Documentation in backend context.. MPD generation for LIVE streams, examples of MPD generation for live streams using software like OBS to serve RTMP. 2. Better compliance with DASH-IF IOP; Better media handling (stability of both VOD and LIVE playback) 3. Stability, Live 4. Test coverage. 5. Clear and updated list of working features/functionalities to the detail. 6. Feature Definition and Test regimes 7. Better/quicker reaction to contributions. 8. Better playback quality/stability 9. More *working* demo streams as well as live streams 10. More functionality (DRM, Captions) that are blockers for deployment 		

