





		ad ledge	adloox	COMSCORE.	integral Ad Science	MEETTICS IIII ATTENTON COUNTS	MOAT	арриския		Google
			•	•	•		•		_	
	Are you a platform?	No	No	No	No	No	No	Yes		Yes, an AdNetwork, a publisher and a DSP
	Are you a third-party vendor?	Yes	Yes	Yes	Yes	Yes	Yes	No		No
	In which contexts or circumstances is a geometric method used?	Used for non-IFrame or friendly-firame (the ad position and size are compared to the viewport)	Undisclosed	Used for non-IFrame and friendly-IFrame (the ad position and size are compared to the viewport) and for cross-doma in non-webkit browsers including IE9, IE9, Firefox (all versions). For iE10 and above, we also use specific browse API functions.	Direct placements / Friendly iFrames / Cross-domain	Used for non-IFrame or friendly-IFrame (the ad position and size are compared to the viewport) • the detailed vertical and horizontal scrolling history of the user in milliseconds	Used for non-Hrame or friendly-Hrame (the ad position and size are compared to the viewport)	Used for non-IFrame or friendly-iframe (the ad position and size are compared to the viewport) Moreover there is a combination with browser API for Internet Explorer (versions 7 to 10) and Firefox (all versions)		Used for non-IFrame or friendly-IFrame (the ad position and size are compared to the viewport)
METHOD OF MEASUREMENT OF VIEWABILITY	In which contexts or circumstances is browser optimization used?	Used for non-friendly-IFrame for IE11, Edge, Chrome and Safari Exploit Flash plugin specific properties	Undisclosed	Used for cross-domain-IFrame for webkit browsers (Chron Safari) (specific browser API ; analyses indirect properties the ad) Implementation of multiple patent-pending techniques to finut if the user has the opportunity to see the ad and if more than 50% of the ad surface is visible: — evaluating the relative positions of the mouse cursor within the screen area and the ad container (IFramed) object S. X; coordinates relative to the screen to be able to derive the location of the tagged ad container for compensate to the browsers viewport area — use "browsers viewport area — use "browser state" properties —> use of the Page Visibility API	of India of Cross-domain iFrames (Chrome, IE, and Safari)	Used for non-friendly-IFrame in webkit browsers (specific browser API ; analyses indirect properties of the ad)	Used for non-friendly-IFrame (specific browser API ; analyzes indirect properties of the ad to determine viewability) MOAT Proprietary technology available for both display and video ad impressions	Used for non-friendly-frame on all webkit browsers (Safari, Chrome and Internet Explorer 11+)		Used for non-friendly-IFrames where browser-specific capabilities do not exist that allow measurement using the geometric method
TAGGING PROCESS	How do you ensure that the data collected by your measurement servers really come from the relevant tags and can't be tampered by malicious attackers?	*We discard obsolete versions and soon obsolete code revisions, We check the format validity of the data 'We check the coherence of the whole data as numerous fields' presence and value are correlated with others. 'We are developing the encryption of the data, made on the server side and using a secret phrase (not present on the dient code obviously). The encrypted data will contain a server stamp, so it will always differ from one call to another. Therefore we will fitter all data with an abnormally old (or futuristic) timestamp.	- use of heavy obfuscation on the client is code - only allow is action from our domain name if the use of https - use of an unique id for each of the impression - daily check of the data by our fraud application (looking for repetitive patterns in the campaign)	We only allow the code to be loaded from our domain (no self hosted JS). The measurements get transmitted straight from our code at the end-user to our domain. HTTPs transfers are used where needed. The code does not allow for external manipulation. Bad client and campaign IDs are rejected as are malformed. URLs (these records would be rejected) Additionally, if we see a client generate more than 10k unique campaign IDs is a day we consider it a tagging error and alert our adopterations team to investigate.	IAS leverages a series of detection methods which include but not limited to: analyzing browser signals in comparisor user agent, period manual checks for expected values and sophisticated invalid traffic detection.	to we are using encrypted reedback that use a meetrics	We have various proprietry checks which we are happy to share with you but do not want published in the appendix	Each impression is uniquely identified and matched to a unique traded impression.		There is no tag insertion





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	There is no tag insertion						