VAST Error Codes

VAST Error Codes are used to debug problems with ad serving. The IAB has created a standard set of Error Codes. In addition SpringServe has created custom error codes to give more insight into "901: General VPAID Errors". This will help debug specific issues with effecting fill.

- IAB VAST Error Codes
- SpringServe Custom VAST Error Codes
- SpringServe Custom Error Codes for SSB and OpenRTB

Vast Error codes are captured in four ways.

1. When the player fires the SpringServe Vast Error Pixel
2. When the SpringServe VPAID captures a Vast Error when trying to call and process a demand tag
3. When SpringServe captures an error code for OpenRTB use-cases when we don't get a valid bid response back from bidders.
4. When SpringServe captures an error code for Vast only Server Side calls when trying to call and process a demand tag and we could not send a valid vast response back to the player.

IAB VAST Error Codes

Below is a table of the IAB Vast Error Codes along with SpringServe specific information that will help you debug demand tags that have a high error rate.

Code	Description	Time of Occurrence
100	XML parsing error.	Pre-Ad
101	VAST schema validation error.	Pre-Ad
102	VAST version of response not supported.	Pre-Ad
200	Trafficking error. The video player received an ad type that it was not expecting and/or cannot display.	Pre-Ad
201	Video player expecting different linearity.	Pre-Ad
202	Video player expecting different duration.	Pre-Ad
203	Video player expecting different size.	Pre-Ad
300	General wrapper error.	Pre-Ad
301	Timeout of VAST URI provided in wrapper element or of VAST URI provided in a subsequent wrapper element. (RI was either unavailable or reached a timeout as defined by the video player.)	Pre-Ad
302	Wrapper limit reached, as defined by the video player. Too many wrapper responses have been received with no inLine response.	Pre-Ad
303	No ads VAST response after one or more wrappers. This also includes the number of empty VAST responses from fallback.	Pre-Ad
400	General linear error. The video player is unable to display the linear ad.	Pre-Ad
401	File not found. Unable to find linear/mediaFile from URI.	Pre-Ad
402	Unable to download or timeout of MediaFile URI.	Pre-Ad
403	Could not find a media file that is supported by this video player, based on the attributes of the MediaFile element.	Post-Ad
405	Problem displaying a media file. Video player found a MediaFile with supported type but couldn't display it. MediaFile may include: unsupported codecs, different MIME type than MediaFile@type, unsupported delivery method, etc.	Post-Ad
406	A mezzanine file was required, but not provided.	Pre-Ad
407	The mezzanine file was downloaded for the first time, so the ad did not serve.	Pre-Ad
408	The ad returned in the VAST response was rejected.	Pre-Ad
409	The interactive creative defined in the InteractiveCreativeFile node was not executed.	Pre-Ad
410	The code referenced in the Verification node was not executed.	Pre-Ad
500	General NonLinearAds error.	Pre-Ad

501	Unable to display non-linear ad because creative dimensions do not align with creative display area (in other words, the creative dimension was too large).	Pre-Ad
502	Unable to fetch NonLinearAds/NonLinear resource.	Pre-Ad
503	Could not find NonLinear resource with supported type.	Pre-Ad
600	General CompanionAds error.	Pre-Ad
601	Unable to display companion because creative dimensions do not fit within the companion display area (in other words, space was not available).	Pre-Ad
602	Unable to display required companion.	Pre-Ad
603	Unable to fetch CompanionAds/Companion resource.	Pre-Ad
604	Could not find Companion resource with supported type.	Pre-Ad
900	VAST 2 error.	Pre-Ad
901	General VPAID error.	Post-Opportunity

SpringServe Custom VAST Error Codes

SpringServe Custom VAST 1500 Error Codes give you more insight into errors that normally fit into "901: General VPAID Error". These error codes will give you more insight into SpringServe specific issues.

Error Code	Description	Time of Occurence	SpringServe Specific Details
1301	The demand partner did not return a bid	Pre-Ad	
1302	HTTP timeout while requesting VAST	Pre-Ad	
1303	HTTP error while requesting VAST	Pre-Ad	
1304	No HTTP response from VAST request	Pre-Ad	
1305	HTTP 4XX status from VAST request	Pre-Ad	
1306	HTTP 5XX status from VAST request	Pre-Ad	
1307	all other non HTTP 200 status codes from VAST request	Pre-Ad	
1308	VAST request timeout	Pre-Ad	Springserve VAST timeout is 3 seconds
1309	Wrapper chain timeout	Pre-Ad	Springserve wrapper chain timeout is 5 seconds
1310	Demand partner bid below the floor	Pre-Ad	
1311	Mixed Content Error	Pre-Ad	non secure ad returned for a secure tag
1312	Index Request Timeout	Pre-Ad	Index's json call timed out
1313	Header bidding error Requesting VAST	Pre-Ad	
1314	Header bidding missing request parameters	Pre-Ad	
1315	Header Bidding Bid Request Timeout	Pre-Ad	
1316	Max Broadcast Timeout	Pre-Ad	A broadcast tier timed out at 5 seconds
1317	Openrtb Request Timeout	Pre-Ad	There was a timeout on the openrtb request to our adserver
1318	Openrtb Request Error	Pre-Ad	There was an error getting the openrtb responses from our adserver
1319	Openrtb No Bids	Pre-Ad	Openrtb request returned no bids
1320	IMA Manager Loader Error	Pre-Ad	There was an error loading the IMA Ads Manager.
1321	IMA Manager Loader Timeout	Pre-Ad	Timeout while loading the IMA Ads Manager
1501	Error Loading Flash Bridge	Post-Opportunity	
1502	Error Playing Flash Bridge	Post-Opportunity	The flash bridge was loaded ok, but when trying to actually start the ad there was an error
1503	Error Loading IMA Wrapper	Post-Opportunity	This is for Adx tags that require the IMA sdk to be loaded to run the tags. There was an error loading/playing the demand tag through the IMA sdx

1504	Error Playing Video Asset	Post-Opportunity	There was an error trying to play an video asset (mp4, webm) that resulted from a demand tag
1505	Child Handshake Error	Post-Opportunity	Error calling the handshake method on the child vpaid loaded from a demand tag
1506	Child INIT VPAID Error	Post-Opportunity	Error initializing the child vpaid that resulted from a demand tag
1507	Child Set Volume Error	Post-Opportunity	Attempted to set the volume on a child VPAID but received an exception
1508	Unexpected VAST Processing Exception	Post-Opportunity	
1509	Error loading child VPAID	Post-Opportunity	
1510	General Demand Tag Error	Post-Opportunity	
1511	SpringServe Vast Validation Error	Post-Opportunity	This error means that information expected within the VAST xml is missing. For example missing impression or error pixels, missing linear add element within the VAST xml
1512	Error sending a js demand opportunity event	Post-Opportunity	
1513	Parent Called Stop Ad	Post-Opportunity	
1514	Parent Called Skip Ad	Post-Opportunity	
1515	Complete Without Impression	Post-Opportunity	
1516	Supply Tag Timeout	Post-Opportunity	
1517	Demand Tag Timeout	Post-Opportunity	
1518	Broadcast Timeout	Post-Opportunity	
1519	Max Broadcast Timeout	Post-Opportunity	
1520	Demand Partner Timeout	Post-Opportunity	
1521	There was an error requesting an ad from IMA	Post-Opportunity	
1522	There was an error loading the IMA ad	Post-Opportunity	
1523	There was an error playing the IMA ad	Post-Opportunity	
1524	There was an error initializing the IMA AdsManager when attempting to start the ad	Post-Opportunity	
1525	General error initializing the IMA ad	Post-Opportunity	
1526	Error initializing the IMA wrapper	Post-Opportunity	
1527	Uncaught Error Requesting Flash Demand	Post-Opportunity	
1528	Uncaught Error Requesting IMA Demand	Post-Opportunity	
1529	Uncaught Error Requesting Media Demand	Post-Opportunity	
1530	Uncaught Error Requesting VPAID Demand	Post-Opportunity	
1531	Openrtb bidder did not fill	Post-Opportunity	(Bidder Error Code)
1532	Openrtb no fill	Post-Opportunity	none of the openrtb bids resulted in an impression (Standard Error Code)

SpringServe Custom Error Codes for SSB and OpenRTB

The error codes below are designed to give you more insight into server side use-cases when there isn't a VPAID involved and also for OpenRTB when there is an error receiving valid bid responses from bidders.

Vast Error Code	Description	Occurrence	Notes
1601	VAST XML Parsing Error	Pre-Ad	Invalid XML in vast response
1604	Error No Bid	Pre-Ad	No bid received from demand partner
1605	HTTP timeout while requesting VAST	Pre-Ad	Timed out before getting a vast response from bidder
1606	HTTP error while requesting VAST	Pre-Ad	Generic HTTP Error getting a vast response from bidder
1607	No HTTP response from VAST request	Pre-Ad	No HTTP response received
1608	HTTP 4XX status from VAST request	Pre-Ad	HTTP 400 Status Code in vast response
1609	HTTP 5XX status from VAST request	Pre-Ad	HTTP 500 Status Codes in vast response
1610	all other non HTTP 200 status codes from VAST request	Pre-Ad	catch-all in case this is something not in error codes 1605 through 1609
1611	VAST request timeout	Pre-Ad	Response took longer than maximum allocated time
1612	Wrapper chain timeout	Pre-Ad	wrapper chain exceeded max auction duration
1613	Bad Demand Tag Endpoint URL	Pre-Ad	Endpoint URL with spaces, &'s or other un-parseable and/or invalid characters.
1614	Max number of wrappers for SSB	Pre-Ad	Number of wrappers more than 3
1615	Bid below the floor	Pre-Ad	Bid received had a value below bid floor
1616	Mixed Content Error	Pre-Ad	http ad returned for https ad call
1619	No Duration	Pre-Ad	On ad pods the vast is missing <duration> attribute
1620	Invalid URL in wrapper	Pre-Ad	Invalid URL found in wrapper
1621	Invalid URL in redirect	Pre-Ad	Invalid URL found in redirect while getting demand
1622	Invalid Json	Pre-Ad	The JSON rendered was invalid
1623	Not included in ad pod	Post-Ad	
1624	Empty Vast Response	Pre-Ad	
1625	Only VPAID ad(s) returned but not allowed	Pre-Ad	
1626	Ad discarded due to pod opt out	Post-Ad	Ad(s) were returned but the pod opted out due to too many empty slots
1627	Pod slots full	Post-Ad	
1628	Ad duration greater than pod time unfilled	Post-Ad	
1629	Ad duration greater than slot max	Post-Ad	
1630	Ad duration less than slot min	Post-Ad	
1631	VastAdTagUri element incorrectly formatted in the vat response of a wrapper.	Pre-Ad	
1632	Wrapper leads to an empty VAST response.	Pre-Ad	