
streamABC Documentation

streamABC

Nov 20, 2020

NETWORKING AND CONTENT DELIVERY

1 StreamRoute	1
1.1 Request listener audio streams	1
2 VAST 4.0 Ad Integration	5
2.1 maxAds	5
3 Indices and tables	7
Index	9

STREAMROUTE

StreamRoute is a scalable and highly available URL service for streams to effectively control listener stream requests to Audiostreamer infrastructure running in QuantumCast. The service can be available with own custom domain and automatic https certification.

Features:

- Generate listener IDs if necessary, based on client fingerprinting
- Responsible for aggregator detection
- Skip request specific handling
- Alias domain when required
- Forwarding parameters to QuantumCast-Audiostreamer or other Streamers
- Detour blacklist-IPs
- No pre-roll spot at specific aggregator requests, e.g. wake up alarm
- Generate PLS and M3U-Playlists on request over stream URL
- Create individual landing pages with metadata for aggregators
- Certification for listeners from own infrastructure
- GDPR no tracking option
- Special handling for special aggregators

All communications with QuantumCast user audio streams comprises of a set of parameters that can be passed in the stream request. These parameters will capture sufficient details about the available opportunity and help serve a targeted audio stream to the user.

1.1 Request listener audio streams

1.1.1 URL-Scheme

The URLs to request audio streams are systematized according to the following scheme: `https://domain/programkey/format/aggregator/listenerid/?parameters`

1.1.2 Parts of audio stream request

Table 1: Parts of audio stream request

Part	Name	Description	Example
1	domain		streams. audiocompany.com
2	programkey		chillprogram
3	format		mp3-192
4	aggregator		mywebsite or tunein
5	listenerid		142e4f19b49da39529de786f81344b
6	parameters		tracking=true

1.1.3 Request audio streams via media file (m3u/pls/m3u8)

This is an extension of the standard *URL-Scheme*. To request media file playlists, add a file extension to the URL.

m3u

Example1 `https://domain/programkey/format/play.m3u`

Example2 `https://domain/programkey/format/aggregator/play.m3u?parameters`

Example3 `https://domain/programkey/format/aggregator/listenerid/play.m3u?parameters`

pls

Example1 `https://domain/programkey/format/play.pls`

Example2 `https://domain/programkey/format/aggregator/play.pls?parameters`

Example3 `https://domain/programkey/format/aggregator/listenerid/play.pls?parameters`

m3u8

Example1 `https://domain/programkey/format/play.m3u8`

Example2 `https://domain/programkey/format/aggregator/play.m3u8?parameters`

Example3 `https://domain/programkey/format/aggregator/listenerid/play.m3u8?parameters`

1.1.4 Parameters

tracking

This is a simple GDPR no tracking option. All parameters will be drop. Possible values are true and false. Default value assumed is false.

Options true, false

Default true

Example tracking=false

1.1.5 VAST 4.0 Ad Integration

You can use VAST request parameters to better control of your audio advertisements. For more info see [VAST 4.0 Ad Integration](#).

Note: The final rank will be the last pattern to match the page.

Tip: Is better to decrease the rank of pages you want to deprecate, rather than increasing the rank of the other pages.

For more information, please open a ticket:

Visit our company website:

[StreamRoute](#) URL service for streams to effectively control listener stream requests

VAST 4.0 AD INTEGRATION

The following services allow you to use VAST request parameters to better control your audio advertising.

StreamRoute URL service for streams to effectively control listener stream requests

Below gives a general overview to VAST 4.0 Parameters.

2.1 maxAds

Number of spots per advertising block

Options integer number greater than 1

Default Preroll 1

Default Midroll 10

Example `maxAds=2`

Note: The final rank will be the last pattern to match the page.

Tip: Is better to decrease the rank of pages you want to deprecate, rather than increasing the rank of the other pages.

For more information, please open a ticket:

Visit our company website:

VAST 4.0 Ad Integration VAST request parameters can be used in some services to better control audio advertising.

INDICES AND TABLES

- [genindex](#)
- [modindex](#)
- [search](#)

For more information, please open a ticket:

Visit our company website:

INDEX

S

StreamRoute, 1

V

VAST 4.0 Ad Integration, 5