

Now Playing History API 1.0

User Documentation

TRITON DIGITAL

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1440 Ste-Catherine W, Suite 1200
Montreal QC H3G 1R8
Canada

514-448-4037
www.tritondigital.com

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Customer Support

supportdesk@tritondigital.com

1-866-448-4037 extension 1

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1. Introduction

This document describes the Now Playing History API. The API enables publishers to retrieve the “Now Playing History” information for their stations from Triton Digital’s network.

2. Now Playing History Service

The Now Playing History service gives publishers the ability to display to their listeners a history of their station’s played events. Whereas the “now playing” service shows the end-user what is playing now, in real time, the Now Playing History service shows a list of what has already played.

The Now Playing History information is available without requiring any authentication. Since the API is public, Triton Digital does not disclose any private or statistical information, such as the listener count.

2.1 URL

<http://playerservices.streamtheworld.com/public/nowplaying>

2.2 Request Parameters

Below are the parameters needed to fulfill the request for Now Playing History.

Element	Description	Type	Required
mountName	The name of the mount to query.	String	True
numberToFetch	The maximum number of Now Playing events to retrieve. If the number is greater than what is available, all available data is returned. Only events that occurred in the last 12 hours of the request are returned, and up to a maximum of 50 events.	Integer	False
eventType	The type of event to return. Possible values are “track”, “speech” and “ad.” If this parameter is missing, all available types are returned. This parameter can be present more than once. E.g., eventType=track&eventType=ad	String	False

2.3 Response Complex Type

The response for the Now Playing History service is an XML file ordered by time (most recent event first). If nothing is found, an empty *nowplaying-info-list* is returned. All fields are always provided.

Element	Description	Type	Containers
nowplaying-info-list	The list of Now Playing info (contains zero or more <i>nowplaying-info</i> elements)		Element
nowplaying-info	A Now Playing event (contains an unbounded list of properties that describes this event)		Element
mountName	The name of the mount where the event occurs.	String	Attribute
timestamp	The time of the event (seconds since Unix epoch).	Long	Attribute
type	The type of event (track, speech or ad).	String	Attribute
property	A property that is related to this event, like the artist name, track title. See section 4 on page 7 for the complete list of available properties.	String in a CDATA	Element
name	A unique key inside this event (track_artist_name, cue_title).	String	Attribute

2.3.1 Valid Sample

Request:

<http://playerservices.streamtheworld.com/public/nowplaying?mountName=TESTXFM&numberToFetch=3&eventType=track>

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<nowplaying-info-list>
  <nowplaying-info mountName="TESTXFM" timestamp="1200410931" type="track">
    <property name="cue_title"><![CDATA[Never There]]></property>
    <property name="track_artist_name"><![CDATA[Cake]]></property>
    <property name="track_genre"><![CDATA[MUS]]></property>
  </nowplaying-info>
  <nowplaying-info mountName="TESTXFM" timestamp="1200410066" type="track">
    <property name="cue_title"><![CDATA[Empty Walls]]></property>
    <property name="track_artist_name"><![CDATA[Serj Tankian]]></property>
    <property name="track_genre"><![CDATA[MUS]]></property>
  </nowplaying-info>
</nowplaying-info-list>
```

```

</nowplaying-info>
<nowplaying-info mountName="TESTXFM" timestamp="1200408191" type="track">
  <property name="cue_title"><![CDATA[She]]></property>
  <property
    name="track_product_url"><![CDATA[http://www.greattracks.com/catalog/details.
    asp?pid=warner_093624552925&ReferralID=cbs]]></property>
  <property name="track_album_name"><![CDATA[Dookie]]></property>
  <property name="track_artist_name"><![CDATA[Green Day]]></property>
  <property name="track_album_publisher"><![CDATA[Reprise / Wea]]></property>
  <property name="track_cover_url"><![CDATA[http://www.greattracks.com/
  covers/medium/093624552925_170x170-muze.jpg]]></property>
  <property name="track_genre"><![CDATA[MUS]]></property>
</nowplaying-info>
</nowplaying-info-list>

```

3. Connection Negotiation

3.1 Connection Request

The connection request is an HTTP GET request with the following options:

- HTTP transport protocol.

Since the transport layer for this web service is HTTP, all requests are subject to an HTTP response where <result-code> roughly follows HTTP conventions:

- 2xx: Successful
- 3xx: Redirection
- 4xx: Bad request
- 5xx: Server errors

There is no HTTP authentication in this API.

4. List of available properties

Below is the list of properties available in the Now Playing history service. Each property is returned and available only if the metadata attribute was injected into the stream by the automation system.

- cue_title
- cue_time_start
- cue_time_duration
- program_id
- program_title
- program_homepage_url
- program_image_url
- program_time_start
- program_time_duration
- program_host_N_id
- program_host_N_name
- program_host_N_homepage_url
- program_host_N_picture_url
- program_guest_N_id
- program_guest_N_name
- program_guest_N_homepage_url
- program_guest_N_picture_url
- track_id
- track_artist_name
- track_album_name
- track_album_year
- track_album_publisher
- track_genre
- track_cover_url
- track_product_url
- track_isrc
- track_nowplaying_url
- ad_id
- ad_type
- ad_url

For more information on the metadata attributes, refer to the Triton Digital document *STWCue Metadata Dictionary*.