

## Track Metadata XML file Structure

## Overview

The following document specifies an XML file that a radio station must provide to Baracoda to have its metadata integrated in the Phoenix platform.

## Introduction :

The web radio stations supported by the Phoenix platform have the opportunity to enhance their streams with metadata that indicates, in real time, what is on air.

To enable this functionality, the radios are asked to create an XML file having the structure described below, and containing all the necessary information about what is playing on the station.

This file has to be refreshed constantly in the transition time from a content (music track, advertisement, ...etc) to an other, or few seconds before.

This file must be accessible via the web (http) to the platform. On every refresh, the platform reloads it (through a unique client) and updates the metadata aggregated to the radio station. The refresh time is calculated basing on the track start time and duration.

# baracoda media

## The XML file structure.

The XML file provided by the radio station must have the following structure.

```
<rol_notification>

    <name>MyRadio</name>

    <timeZone>Europe/Paris</timeZone>

    <url>http://www.MyRadioWebSite.com</url>

    <onair>

        <start>29/05/2008 16:28:28</start>

        <duration>244</duration>

        <title>4 Minutes</title>

        <artist>Madonna</artist>

        <album>Hard Candy</album>

        <cover>www.MyRadioWebSite.com/TheAlbumCover.jpg</cover>

        <music>S</music>

        <info>additionnal info</info>

        <comment>your comments</comment>

    </onair>

</rol_notification>
```

The fields in red are mandatory, if one of them is missing, the file will not be processed correctly by the platform. The ones in green are optional and may be omitted safely if the information is not available.

## The XML file fields

**<name>** : the radio name.

**<timeZone>** : the radio time zone, in which the date contained in the <start> field is set. It is a string that has to be picked from the list presented on the following page : <http://www.fileformat.info/system/timezone.htm>. If this field is missing, empty or filled with a wrong value, the default time zone that will be taken is « Europe/Paris ».

**<url>** : the radio website

**<start>** : the time the track has started, given in the following format : « dd/MM/yyyy HH:mm:ss » (the hours are in the [0-23] range), and according to the time zone given in the <timeZone> field.

**<duration>** : the track duration, given all in seconds.

**<title>** : the track title.

**<artist>** : the artist name.

**<album>** : the track album name.

**<cover>**: a link (URL) to the album cover, with a 160x160 size if it is possible.

**<music>** : this field precises the nature of the diffused content.

S : for music track

A or P : advertisement

N : News

V : Live

**<info>** : a field where the radio might add some additional info.

**<comment>** : eventual comments the radio might want to add.

**N.B :**

- Following the XML standard, you have to include an header at the top of your xml file which contains the xml version and the text encoding.

Ex : <?xml version="1.0" encoding="utf-8"?>

- We encourage you to use the CDATA section to avoid parsing error on special characters
  - Ex:

```
<title><![CDATA[Crazy in love]]></title>
```

```
<artist><![CDATA[Beyoncé & Jay-Z]]</artist>
```

```
<cover><![CDATA[www.MyRadioWebSite.com/TheAlbumCover.jpg]]</cover>
```

**Send xml file URL to :**

**[content@baracodamedia.com](mailto:content@baracodamedia.com)**