**DATASOURCES** PlayIt works with the concept of a datasource. The datasource is what provides PlayIt with all its data. Currently PlayIt supports two types of datasources. The first type of datasource is from an XML configuration file. This type of data source can be generated dynamically with a server side scripting language such as ASP.net, PHP, Ruby or any other type of technology. The XML file can also be a purely static XML file that you pre-populate yourself. The second type of datasource is much more technical and currently experimental. It derives from a Web Service that returns a JSON object. The JSON responses are then fed into PlayIt. This experimental Web Service datasource will contain much more documentation and guidance as PlayIt continues to rollout new types of datasources. Index 😭 Setting Up The easiest and fastest way to get PlayIt working in your environment is to just make a copy of the about-playit.html and about-playit.xml files and begin to modify the configuration file to point to your content. The instructions below contain the step by step instructions for setting up PlayIt on your site. STEP 1. Install files • Extract the jquery.playit.zip archive to your web server The PlayIt demos will need to be served from the 'http://' path and can be removed if needed STEP 2. Include References • If you ONLY need to support HTML 5 browsers then the mediaelementjs references are not needed. Insert the code in Figure 1-1 into your <head> tag • Update the paths below. The themename 'cupertino' is interchangeable. {THEME-CDN} http://ajax.googleapis.com/ajax/libs/jqueryui/1.8.16/cupertino/jquery-ui.css http://ajax.aspnetcdn.com/ajax/jquery.ui/1.8.16/themes/cupertino/jquery-ui.css http://ajax.googleapis.com/ajax/libs/jquery/1.7/jquery.min.js http://ajax.aspnetcdn.com/ajax/jQuery/jquery-1.7.min.js • {JQUERY-UI-CDN} http://ajax.googleapis.com/ajax/libs/jqueryui/1.8.16/jquery-ui.min.js http://ajax.aspnetcdn.com/ajax/jquery.ui/1.8.16/jquery-ui.min.js <link rel="stylesheet" href="{THEME-CDN}" id="playit-jquery-ui-css" /> k rel="stylesheet" href="[path-to-playit]/jquery.playit.css" /> <link rel="stylesheet" href="[path-to-playit]/lib/mediaelementjs/mediaelementplayer.css" /> <link rel="stylesheet" href="[path-to-playit]/lib/mediaelementjs/mejs-skins.css" /> <script type="text/javascript" src="{JQUERY-CDN}"></script> <script type="text/javascript" src="{JQUERY-UI-CDN}"></script> <script type="text/javascript" src="[path-to-playit]/jquery.playit.min.js" id="playit-source"></script> <script type="text/javascript" src="[path-to-playit]/lib/mediaelementjs/mediaelement-and-player.min.js"></script> Figure 1-1 required head tags CDNs can be your own server. STEP 3. Call PlayIt Code Insert the following code after your <body> tag If using the XML datasource (used by default) then make sure xmlConfig param points to your configuration file. <div id="playit"></div> <script type="text/javascript"> jQuery(document).ready(function () { jQuery("#playit").playit({ dataSourceOptions: { xmlConfig: 'my-playit-config.xml', cacheXml: false }); }); </script> STEP 4. Configure XML Datasource When using the XML datasource keep the cacheXml parameter false. This is important otherwise your data will not show correctly. Set this value to true once you have completed your set up and development. Note: If you're dynamically generating the XML file then you can point the xmlConfig value at any extension such as: http://mysite/path/dynamic.aspx | php | jsp | etc...The output of any of these dynamic pages must be a valid PlayIt XML file. Index 😭 Datasource: XML File The following settings pertain to a PlayIt XML configuration file. This is one of the main datasources that can power PlayIt and what ultimately drives the layout and content of PlayIt. Please note that all attributes and nodes are case sensitive and should use lower case for all values. Because XML is a strict markup it is important that you handle every setting with precise care. If the PlayIt configuration file doesn't load correctly then you can validate your XML file with a tool such as the W3C Markup Validation Service to make sure you have your configuration file setup correctly. Navigation: playit - section - category

The PlayIt User Guide gives a full breakdown of all the parameters that drive how PlayIt works and functions. This guide will

PlayIt consists of two components, the user interface (UI) and a datasource. The user interface drives all visual cues of PlayIt

and the datasource provides PlayIt with it's dynamic data content. A full break down of all the PlayIt features and

functionality can be seen in the demo "All About PlayIt" which comes bundled with the PlayIt source code.

Hide All □

PlayIt - User Guide

Version 1.0 @lifeinthearid.com

**Index** 

 Overview Setting Up DataSources

XML File

 Styling & Theming Globalization • Performance

Overview

**LAYOUT** 

Web Services

cover everything you need to know to create your own PlayIt system.

 tags: playit | section | category • tags: grid | list | tile | field(s) • tags: audio | img | link | video

<play>it>

The playit tag is used to control many of the global aspects of the plugin. This root level tag only contains section nodes and only one playit tag is to be used within an xml datasource configuration file. children: section type overview attribute **General Settings** accordion-animate bool Allows the accordion menu to animate when clicked [default:true] accordionbool | Auto selects the first or first isdefault category when a section is clicked [default:false] autoselect

The minimum width the accordion menu can be resized to [default:200]

The maximum width the accordion menu can be resized to [default:800]

The width of the search box measured in pixels [default:auto]

Determines which data view is active when the control is loaded

**Audio Specific** 

Shows or hides the info button on the audio player [default:true].

Opens the audio information dialog as a modal dialog [default:true]

Controls the height of the audio information dialog [default:300]

Controls the width of the audio information dialog [default:400]

**Image Specific** 

Opens the audio information dialog as a resizable dialog [default:true]

The height in pixels the image dialog window will open[default:500]

The width in pixels the image dialog window will open[default:700]

Shows or hides the info button on the image player [default:true]

**Video Specific** 

Services like YouTube requires a query string to that service.

The autofill attribute only fills to its current parent. Additional CSS is required to fill the entire window. Elements from the players default locatoin upto the html tag will need to have their respective heights set to 100%. See the

The ios-iframeasobject attribute only applies to iOS devices. Currently devices like the iPad don't allow iframes to be resized, therefore the alternative is to render a fragment of the page and provide a link to the corresponding

The section node creates the highest level of organization in the navigation menu of PlayIt. The section node supports an

The category node contains the collection of media data elements such as audio, image, link, and video nodes. A category can contain many but only one type of the media data elements per category. When a category is selected all of its children nodes will be visible the main view panel and searchable. If the category type='link' then it can point to a web asset itself,

\*required attribute [options:audio,image,link,video,separator]

its isdefault property to be accepted. [default:false]

Sets this section as the default section. If isdefault is set on multiple sections, then the last

Sets this category as the default category. If isdefault is set on multiple categories, then the

last one will be selected. The categories parent section must have isdefault set to true before

Url or path to valid web asset, such as a web page, pdf or image. This attribute requires that

Determines which data view is active when the control is first loaded. This option will override

the type is 'link'. If the link-src attribute is empty then PlayIt will attempt to load any <link>

If the 'link-src' element is set then the viewable category iframe can be scrollable.

the playit@view-default option if set. [options:grid,list,tile default:grid]

The grid tag controls the viewable aspects of the grid. For readability it is recommended to place this tag before any of the

The list tag controls all aspects of how the list view is displayed. A list contains fields which drive which items are shown and how they sort. The list view incorporates an additional 'sortdisplay' attribute which is tied only to the list view. This allows

The tile tag controls all aspects of how the tile view is displayed. A tile contains no fields and all sortable content fields are fixed. When a categories type is audio the tile view will display the 'Album' and 'Artist' attributes as sortable data, all other category types will only display the 'Title'. The tile view does contain a slider that will allow you change the size of the active

If you want to change fixed text sort items (i.e. 'Artist', 'Album', 'Title') you can do this through the plait.lang file settings.

bool Allows for the grid view to be shown or hidden on a per category basis [default:true]

bool Allows for the list view to be shown or hidden on a per category basis [default:true]

bool Allows for the list view to be shown or hidden on a per category basis [default:true]

fixed attribute or custom attribute then sortcolumn must match that value.

enum The direction the 'sortcolumn' should short by [options:asc, desc default:asc]

then use sortcolumn='mycustom' as the sortcolumn value.

The field node controls the display and visibility of which columns and labels are seen in the grid and list views.

<field match="title" display="Song Name" />

for the grid view or as a label for the list view.

[options:any category type nodes attributes]

key for grouping when used on the tile view.

key for grouping when used on the tile view.

poster image ranges from 64x64 to 256x256.

text | The required name for the audio file \*required attribute

text The path to an audio source file such as mp3.

The track number within an album set

shows, podcasts or any type of audio.

from the label display name.

For example you could use the fixed audio@title attribute which would equate to

enum The tile view only supports images up to 256x256, for performance it is recommended to scale your images no larger than 256x256. [options:64, 128, 192, 256 default:64]

The column to sortby when the view is first opened. This value must be a valid attribute that is tied to any of the category types (audio, image, link, video). If the category type has a

sortcolumn='title' for the value. For custom attributes such as audio@mycustom you would

The display name you want the required match attribute to be displayed as. For example you may have chosen to match audio@title but you want the grid column or list label to show something different such as 'Song Name'. In this context you would set the field as:

This would display all title attributes but the column header or label would show 'Song Name'. The category types (audio, image, link, video) attribute that should be shown in the column

match='title' for the value. Used in the grid fields context 'title' will show as a column in the

attribute can be applied to any category types attribute fixed or custom. \*required attribute

This value only applies to the ts view and allows the sort button to have a different name

The album or group of audio tracks. The album and artist attributes together form a unique

If your not working with the traditional definition of an album it can still be used to group

The artist or producer of the audio. The album and artist attributes together form a unique

Enables or disables the audio information button on the audio player. If the audio <info> tag is empty the information button will be disabled. The attribute playit@audio-info-enable must

The path to an image file used as a display on the audio control panel and list view. The image

be set to true before this value is evaluated. [default:true, when info tag is filled with

The path to an image file used as a display asset on the tile view. The image size for the

Any dynamic meta-data attribute needed to support your audio file. For example if you wanted to add your own custom data such as release year, composer, and file size then you

<audio ... release='2002' composer='Cory Lamle;Ryan Heideman' size='2.5MB' ... />

These dynamic meta data fields can now be displayed as new columns in your grid or labels in your tile view. They can be named whatever you want and you can add as many as you see

Enables or disables the image information button on the image player. If the img <info> tag is empty the information button will be disabled. The attribute playit@image-info-enable must

be set to true before this value is evaluated. [default:true, when info tag is filled with

The path to an image file used as a display asset on the tile view. The image size for the

The path to an image file used as a display on the audio control panel and list view. The image

These dynamic meta data fields can now be displayed as new columns in your grid or labels in your tile view. They can be named whatever you want and you can add as many as you see

A comma-separated list of items for a new window object. The following values are

supported: height=pixels, left=pixels, resizable=yes|no|1|0, scrollbars=yes|no|1|0,

The location where the window will open. The following values are supported:

size range is from 32x32 to 48x48 unless overridden in the css style sheet.

\_blank - URL is loaded into a new window. This is default

\_top - URL replaces any framesets that may be loaded

\_parent - URL is loaded into the parent frame

\_self - URL replaces the current page

text | The required name for the image file \*required attribute

• name - The name of the window

attributes to the link tag as such:

<link ... group='technology' ... />

The path to an image file used as a display asset on the tile view. The image size for the

The path to any web asset such as web page, pdf file, image or any item your browser can

The path to an image file used as a display on the audio control panel and list view. The image

Any dynamic meta-data attribute needed to support your link tag. For example if you wanted to add your own custom data such as a custom group then you could attach the following

These dynamic meta data fields can now be displayed as new columns in your grid or labels in your tile view. They can be named whatever you want and you can add as many as you see

Enables or disables the video information button on the video navigation bar. If the video <info> tag is empty the information button will be disabled. The attribute playit@video-info-

enable must be set to true before this value is evaluated. [default:true, when info tag is

5 or flash player. The 'remote' option will use an external video player such as youtube.

The path to an image file used as a display asset on the tile view. The image size for the

The path to any video file your browser can render or the path to a video source like

The path to an image file used as a display on the audio control panel and list view. The

Any dynamic meta-data attribute needed to support your video tag. For example if you wanted to add your own custom data such as play time and a description then you could

These dynamic meta data fields can now be displayed as new columns in your grid or labels in your tile view. They can be named whatever you want and you can add as many as you

The path to any video file your browser can render. This should be a physical video file and not the link to a 3rd party service like YouTube. Include as many source tags as

needed. The first source tag found will be attempted to play. If your browser cannot

text The type of video that is being rendered, examples include .mp4, webm, ogg, mov

image size range is from 32x32 to 48x48 unless overridden in the css style sheet.

YouTube or Vimeo. If **player='remote'** then this value is required.

The required name for the image file \*required attribute

attach the following attributes to the video tag as such:

<video ... time='5:00' desc='Trailer for movie XYZ' ... />

The source tag specifies a physical video file. Used in the video tag this tag allows for multiple video sources. This tag is

render the video then the next video source will be attempted.

The fallback video for older browsers without HTML5 support should either be defined in the src attribute on the

Then some videos may not play on some browsers. Its important to always provide fallback source tags for the various browsers. Please check your browsers documentation if the supplied video format is not working, some browsers do not support specific formats. For a list of compatible video formats see the following link: HTML 5

When setting the attribute player='remote' only the src attribute value is applied and all source tag(s) are

The info tag is used for custom information. Used by the category media types audio, image, and video this tag allows for custom information to be bound to the specific media type. This data can be text/html/javascript. The data inside this tag

Below is an overview of the order for how the thumb and poster attributes get interpreted. Each location uses a fallback approach, where if the first attribute in the list is not set then the next value will be attempted until it

The Web Services datasource is currently experimental. In future versions of PlayIt the documentation for this particular data source will be completely filled out. Currently the only supported documentation is through the demo files. See websrv-

PlayIt uses a layout philosophy mechanism centered heavily on stylesheets. Since it's impossible to know the different variations in which this plugin could be used, the implementation of CSS selectors in order for you to customize PlayIt to

PlayIt is ThemeRoller Ready which means you can easily create a theme to integrate into your site and fit your exact color

3. When done click the "Download Theme" link then the "Download" button be sure the drop-down says "Custom Theme"

4. Inside the zip archive you just downloaded, you will see a custom theme folder with a CSS file named something like

PlayIt also comes with its own stylesheet jquery.playit.css which is used to lay out the basic elements of the pluq-in. You can edit this stylesheet to your liking. The easiest way to style or change an element is to use one of the DOM inspectors to

your liking. We strongly encourage you to use a DOM inspector to locate the styles you want to change.

2. On the right-hand side begin to create your theme, you will see your progress as you modify values.

5. Include this custom theme as a CSS link tag in the pages where you plan to use PlayIt

If you want to link to one of the CDN's you can do so by looking at the following URLs:

http://ajax.googleapis.com/ajax/libs/jqueryui/[UI.VERSION]/themes/[THEME-NAME]/jquery-ui.css

flick: Google | Microsoft

 $hot\text{-sneaks: } \underline{Google \mid \underline{Microsoft}}$ 

humanity: Google | Microsoft

mint-choc: Google | Microsoft

overcast: Google | Microsoft

redmond: Google | Microsoft

smoothness: Google | Microsoft

pepper-grinder: Google | Microsoft

The data that PlayIt renders is all localizable. There are two parts to localizing PlayIt which are the internal and external content. The internal content is the content that drives the user interface elements, such as the buttons text. The external

When creating your configuration file remember to always set the cacheXml: property to true when your done with your settings. See Setting Up for more details. By default PlayIt only renders a category when it is called. However the initial request to the configuration file will pull down the entire file. So anything you can do to keep a tight streamline configuration file is important. If your not using an attribute then don't include it. Only use the dynamic meta data attributes when they

One of the biggest performance increases you can get when using the attributes thumb and poster is to use compressed jpeg files where the thumb source is no larger than 64x64 and poster images are no larger than 256x256. Its also very

When using the img tag it is very important that image being referenced is as tightly compressed as possible. It is highly

http://ajax.aspnetcdn.com/ajax/jquery.ui/[UI.VERSION]/themes/[THEME-NAME]/jquery-ui.css

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Index 🖁

south-street: Google | Microsoft

swanky-purse: Google | Microsoft

trontastic: <u>Google</u> | <u>Microsoft</u> ui-darkness: Google | Microsoft

ui-lightness: Google | Microsoft

Index 1

<u>Index</u> 🖁

Index 😭

start: Google | Microsoft

sunny: Google | Microsoft

vader: Google | Microsoft

The CDATA is only needed if the content contains any markup, plain text does not require the CDATA.

Audio Player Active Thumbnail: audio@thumb, audio@poster, then PlayIt music note image

List View: [media-type]@thumb, [media-type]@poster, then PlayIt default [media-type] image

Image Player Thumbnails: img@thumb, img@poster, then PlayIt default camera image

Tile View: [media-type]@poster, then PlayIt default [media-type] image

demo.asmx and websrv-demo.html for a quick example of hooking up PlayIt to a web service.

<script type="text/javascript" src="lib/mediaelementjs/mediaelement-and-player.min.js" ></script>

The type of video player needed for this video source. The 'local' option uses a default HTML

Any dynamic meta-data attribute needed to support your image file. For example if you wanted to add your own custom data such as date or location taken then you could attach

size range is from 32x32 to 48x48 unless overridden in the css style sheet.

The default width of the image when viewed in the image player

<audio ... date='2002' location='San Diego, California' ... />

size range is from 32x32 to 48x48 unless overridden in the css style sheet.

could attach the following attributes to the audio tag as such:

Please check your browsers documentation if the supplied audio format is not working, some browsers do not

The default height of the image when viewed in the image player

poster image ranges from 64x64 to 256x256.

text | The required name for the image file \*required attribute

the following attributes to the img tag as such:

status=yes|no|1|0, top=pixels, width=pixels

poster image ranges from 64x64 to 256x256.

text | The path to an image source file such as jpeg.

For example you could match the fixed attribute image@title which would equate to

grid. Used in the list fields context 'title' will show as a label for each item. The match

This value only applies to the <grid> view and controls the width of each column

The audio tag controls all aspects of an individual audio file. Audio files can be grouped together by using the exact same

Set the default image (poster) item-size when the Tile view is loaded.

category link. This setting may eventually become obsolete if the iOS browser changes it's behavior.

Controls the height of the video dialog window and [default:500]

Controls the width of the video dialog window and [default:700]

Shows or hides the video information button on the navigation bar.

Auto plays a locally hosted video [default:false]

bool Shows or hides the video navigation bar.

The duration in which each image is displayed in milliseconds [default:3000]

How many thumbnails show in the image player thumb view [default:7]

When the image player is loaded it will start to play through the images [default:true]

Shows or hides the search box [default:true]

[options:grid,list,tile default:grid]

The height of the plugin will fill its current parent upto 100% [default:false] see notice

Forces iOS devices such as iPad to use the object tag over the iframe [default:true] see

Creates a small message over the object tag with a link to the souce [default:true] see

The text that displays in the center of the toolbar and defaults to [default:'PlayIt Media

bool Auto plays the first audio node when a category of type audio is loaded [default:false]

The text that displays in the search box when no search as been entered [default:'Search']

accordion-minwidth

accordion-maxwidth

ios-iframeasobject

iframeasobjectlink

toolbar-searchtext

toolbar-searchwidth

toolbar-showsearch

toolbar-title

view-default

audio-autoplay

audio-infobox-

audio-infobox-

audio-infobox-

image-autoplay

image-dialog-height

image-dialog-width

image-info-enable

image-slides-

image-slides-

thumbcount

video-autoplay

video-dialog-height

video-dialog-width

video-info-enable

video-navbar-

<section>

children: category

<category>

attribute

isdefault

attribute

type \*

name

isdefault

link-src

link-scroll

<grid>

children: fields

attribute

enable

t>

children: fields

attribute

enable

<tile>

children: no-children

attribute

item-size

<fields>

children: field

sort-column

sort-direction

children: no-children

<field>

attribute

display

match \*

sort-display

<audio>

children: info

attribute

album

artist

poster

title \*

thumb

track

{dynamic}

<img>

children: info

attribute

info-enable

height

poster

thumb

width

{dynamic}

link>

children: info

attribute

features

poster

target

title \*

thumb

{dynamic}

<video>

attribute

info-enable

player

poster

src

title \*

thumb

{dynamic}

<source>

parent: video children: no-children

attribute

src

type

<info>

children: no-children

should be surrounded by:

<![CDATA[ <b> My Markup <b> ]]>

reaches the default image.

**Datasource: Web Services** 

schema. To create your own theme follow these simple steps:

Styling & Theming

1. Browse to the ThemeRoller Tool

jquery-ui-1.8.13.custom.css

find out which element maps to a specific style.

Here is a list of the most common themes via CDN.

content is driven by the data source such as the XML configuration file.

For external content just place any language in the PlayIt datasource.

To change the internal content by language just add the following to your <head> tag. <script type="text/javascript" src="source/lang/playit.de.js" id="playit-lang"></script>

important that the thumb attribute be used and point to a true 64x64 or smaller image.

recommended that your images do not exceed 1920x1080 or images stay below 400K if possible.

**Common Distribution Networks (CDN)** 

// Google

base: Google | Microsoft

black-tie: Google | Microsoft

cupertino: Google | Microsoft dark-hive: Google | Microsoft

dot-luv: Google | Microsoft

Globalization

**USING LANGUAGES** 

**Internal Content:** 

**External Content:** 

**Performance** 

are really needed.

**IMAGE FILES** 

XML DATASOURCE CONSIDERATIONS

eggplant: Google | Microsoft

excite-bike: Google | Microsoft

blitzer: Google | Microsoft

**Poster & Thumb Image Placement** 

Video Overview.

children: info | source

src

src title \*

support specific formats.

The image tag controls all aspects of an image file

text

int

fit.

type overview

render.

The link tag controls all aspects of a link reference.

text

text

text

text

The video tag controls all aspects of a video file.

bool

enum

text

text

text

text

var

preferred over using the video 'src' attribute.

see fit.

type overview

video node or be the first video in the set of sources.

If you don't include the following reference for the MediaElements fallback player:

ignored. The remote player should be a player provider by another site.

type overview

filled with content]

[options:local, remote default:local]

poster image ranges from 64x64 to 256x256.

type overview

content]

info-enable

width

attribute

enable

poster image from 64px up to 256px.

view-default

name

enable

interval

audio-infobox-width

modal

height

resizable

audio-info-enable

autofill

ios-

int

int

bool

bool

bool

text

text

int

bool

enum

bool

bool

bool

int

int

bool

int

int

bool

int

int bool

demo file about-playit.html for an overview.

unlimited number of category nodes per section.

type overview

such as a web page or be a collection of many link nodes.

type overview

children: audio || img || link || video || grid || list || tile

text

enum

enum

Category Views: grid - list - tile - field(s)

type overview

type overview

the sort button to have a custom name apart from what is viewed in the list item.

See the localizing section for details on changing the internal text settings.

type overview

type overview

text

text

text

text

int

Category Types: audio - img - link - video

album and artist values across multiple audio tags.

text

bool

text

int

content]

type overview

text Displays the name of the section

one will be selected [default:false]

The type of data the category will display

text Displays the name of the category

elements that are present

[options:auto,on,off default:auto]

media element tags. A grid contains fields which drive which columns are shown and how they sort.

below for useage

notice below.

Player']