

item

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This API provides interfaces to retrieve information of media contents.

Contents

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Item

The Item API provides access to the content information.

This item will be a folder, an audio, an image and an video item which it has retrieved from a digital media server (DMS).

Type Definition

ItemType

Specifies the item type

```
enum ItemType {  
    "AUDIO",  
    "FOLDER",  
    "IMAGE",  
    "UNKNOWN",  
    "VIDEO"  
};
```

AUDIO: audio type of the content

FOLDER: folder type of the content

IMAGE: image type of the content

UNKNOWN: the unknown content

VIDEO: video type of the content

ItemContentBuildType

Specifies a item origin.

```
enum ItemContentBuildType {  
    "LOCAL",  
    "MEDIAPROVIDER",  
    "UNKNOWN",  
    "WEB"  
};
```

LOCAL: the content is from the local device

MEDIAPROVIDER: the content is from a remote media provider

UNKNOWN: the content is from nowhere

WEB: the content is from internet

ItemPlayMode

Specifies an item play mode.

```
enum ItemPlayMode {  
    "RELAY",  
    "REDIRECT",  
    "UNKNOWN"  
};
```

RELAY: the content will be downloaded and serves to the remote player

REDIRECT : the content's URL will be passed to the remote player

UNKNOWN : the content play mode can't be distinguished

Interfaces

Item

The object which represents a media content (audio, image, video) or a container (folder). An Item object will be retrieved by `browse()` or `search()` in provider APIs. Also, an Item object can be built with a local content or a web content with constructor.

```
[Constructor(DOMString uri, optional DOMString mimeType, optional DOMString title)] interface Item  
{  
    readonly attribute DOMString albumTitle;  
    readonly attribute DOMString artist;  
    readonly attribute Date date;  
    readonly attribute unsigned long long duration;  
    readonly attribute DOMString extension;  
    readonly attribute double fileSize;  
    readonly attribute DOMString genre;  
    readonly attribute SimpleCoordinates location;  
    readonly attribute DOMString mimeType;  
    readonly attribute unsigned long width;  
    readonly attribute unsigned long height;  
    readonly attribute DOMString subtitleUri;  
    readonly attribute DOMString thumbnailUri;  
    readonly attribute DOMString title;  
    readonly attribute ItemType itemType;  
    readonly attribute DOMString itemUri;  
    readonly attribute boolean isRootFolder;  
    readonly attribute ItemContentBuildType contentBuildType;  
};
```

Code example

```

var serviceProvider; // it is assumed that you has obtained a serviceProvider object.
    // For further details, see the createServiceProvider() or getServiceProvider().
var localContentsPath = "file:///Videos/clip.mp4";
var webContentsUri = "http://mediashare.com/videos/clip.mp4";
var mimeType = "video/mp4";

// Type 1. create item with a local content.
var localItem = new Item(localContentsPath, mimeType, "Local Video Clip");

// Type 2. create item with a web content.
var webItem = new Item(webContentsUri, mimeType, "Web Video Clip");

// Type 3. retrieve an item from a remote provider.
var providerItem;

//Define browse callback
function browseCB(list, endOfItem, provider) {
    providerItem = list[0];
}
function errorCallback(error, device) {
    console.log(device + " raises " + error);
}

// Define success callback for creating ServiceProvider
function sProviderCallback(provider) {
    // Obtaining service provider instance.
    serviceProvider = provider;
    try {
        var providers = serviceProvider.getDeviceFinder().getDevices("MEDIAPROVIDER");
        if (providers.length > 0) {
            // retrieves first DMS from the root folder
            providers[0].browse(providers[0].rootFolder, 0, 1, browseCB, errorCallback);
        }
    } catch(e) {
        console.log(e.message);
    }
}

// Define error callback for creating ServiceProvider
function eProviderCallback(error, state) {
    console.log(error.name);
    console.log("Service state: " + state);
}

try {
    webapis.allshare.serviceconnector.createServiceProvider(sProviderCallback, eProviderCallback);
} catch(e) {
    console.log(e.message);
}

```

ATTRIBUTES

readonly DOMString albumTitle

Content album title.

If it's itemType value is "FOLDER", "undefined" returns.

This attribute is readonly.

readonly DOMString artist

Content artist.

If it's itemType value isn't a "AUDIO", "undefined" returns.

This attribute is readonly.

readonly Date date

Content date.

If it's itemType value is "FOLDER", "undefined" returns.

This attribute is readonly.

readonly unsigned long long duration

Content total play time.

If it's itemType value is "FOLDER" or "IMAGE", "undefined" returns.

This attribute is readonly.

readonly DOMString extension

Content extension.

If it's itemType value is "FOLDER", "undefined" returns.

This attribute is readonly.

readonly double fileSize

Content file size.

If it's itemType value is a "FOLDER", "undefined" returns.

This attribute is readonly.

readonly DOMString genre

Content genre.

If it's itemType value is not an "AUDIO", "undefined" returns.

This attribute is readonly.

readonly SimpleCoordinates? location

Content geo-location.

if the itemType value is a "FOLDER", "undefined" returns.

This attribute is readonly.

readonly DOMString mimeType

Content MIME type.

This attribute is readonly.

readonly unsigned long width

Content width.

If it's itemType value is not an "IMAGE" or "VIDEO", "undefined" returns.

This attribute is readonly.

readonly unsigned long height

Content height.

If it's itemType value is an "IMAGE" or "VIDEO", "undefined" returns.

This attribute is readonly.

readonly DOMString subtitleUri

Content subtitle URI.

If it's itemType value is not a "VIDEO", "undefined" returns.

This attribute is readonly.

readonly DOMString thumbnailUri

Content thumbnail URI.

If it's itemType value is not an "IMAGE" or "VIDEO", "undefined" returns.

This attribute is readonly.

readonly DOMString title

Content title.

This attribute is readonly.

readonly ItemType itemType

Item type.

This attribute is readonly.

readonly DOMString itemUri

Item URI

This attribute is readonly.

readonly boolean isRootFolder

Specifies whether it is a root folder or not.

This attribute is readonly.

readonly ItemContentBuildType contentBuildType

Specifies the content build type

This attribute is readonly.