

Station Manager Public API

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Overview

This document is intended for developers who want to write applications that interact with Station Manager. It explains basic concepts of Station Manager and the API and provides an overview of the different functions supported by the API. The public call returns all publicly-accessible data and can be filtered by station flagship callsign.

Getting started

Before using the API, familiarize yourself with the following:

- Core concepts of the JSON (JavaScript Object Notation) data format. JSON is a common, language-independent data format that provides a simple text representation of arbitrary data structures. For more information, see json.org.

Resources and resource types

A resource is an individual data entity with a unique identifier. The table below describes the different types of resources and the different calls you can make when using this API.

Resource type	Description
Station </resources/station>	Station object

Supported actions

Action	Description
get	Retrieves (GET) a specific resource.

The table below identifies the (subset of) operations that are supported for different types of resources. Each resource may support some particular actions which are described on their individual specification page.

Resource type	get
Station	yes

HTTP request headers

The required headers used by the API are listed below. At the moment we're only accepting JSON and JSONAPI-specific header.

Header	Meaning	Values
Content-Type	The content type of the payload	application/json
Content-Type	The content type of the payload	application/vnd.api+json

Possible fields returned

Parameter name	Value	Description
call_sign	string	Station call sign (this is a unique value in our system)
full_common_name	string	Full common name (Max: 255 characters)
short_common_name	string	Short common name (Max: 128 characters)
tvss_url	string	The URL of TV Schedule
donate_url	string	The donation URL of the Station
timezone	string	The timezone of your Station's location
website_url	string	The homepage URL of the Station
facebook_url	string	The Facebook page of the Station
twitter_url	string	The Twitter page of the Station
station_kids_url	string	The kids homepage of the Station
telephone	string	The telephone number of the Station
fax	string	The fax number of the Station
city	string	The city in the station's mailing address.
state	string	The state in the station's mailing address.
address_line_1	string	The station's mailing address.
address_line_2	string	The station's mailing address.
zip_code	string	The zip code for the station's mailing address.
email	string	The email contact of the Station
tag_line	string	The Station's tag line
primary_channel	string	Determines the station's default TV listings grid
primetime_start	string	The primetime start designated by the station.
images	object or empty list	Images associated to a Station
updated_at	datetime	When the Station was last updated
id	string	Station ID

The following table describes the parameters for all images.

Parameter name	Value	Description
profile	string	The profile of the image
url	string	The link to the ITS image

Endpoints

Currently, Station is the only endpoint available in Station Manager. A station can be identified by its station ID (recommended) or by filtering by its flagship callsign (*not recommended*, as call signs change).

Base Endpoint

```
https://station.services.pbs.org/api/public/v1/stations/
```

Station:list

Returns a collection with all stations.

HTTP Request

```
GET https://station.services.pbs.org/api/public/v1/stations/
```

URI Parameters

Parameter name	Value	Description
[id]	string	station ID
call_sign	string	station callsign (case sensitive). Must be ALL CAPS. This parameter is NOT RECOMMENDED, as call signs can change. We recommend using the station ID (shown above) instead.
page	integer	Show the results on a specific page.
sort	string	Show the sorted by specific fields. The available fields are specified in the ['meta']['sort'] block.

Example Output

The response for a request made to this endpoint will be paginated. The following response is for a request made without any query parameters:

Station information returned

```
{
  "meta": {
    "pagination": {
      "count": 176,
      "per_page": 25
    },
    "type": "collection",
    "filter": {
      "call_sign": "https://station.services.pbs.org/api/public/v1/stations/?call_sign="
    }
  },
  "jsonapi": {
    "version": "1.0"
  },
  "data": [
    {
      "attributes": {
        "call_sign": "KACV",
        "full_common_name": "Panhandle PBS",
        "short_common_name": "PPBS",
        "tvss_url": "http://www.panhandlepbs.org/schedule/#page=schedule&day=20150803&provider=Broadcast",
        "donate_url": "http://www.panhandlepbs.org/donate/",
        "timezone": "America/Chicago",
        "video_portal_url": "http://video.kacvtv.org",
        "website_url": "http://www.panhandlepbs.org/home/",
        "facebook_url": "https://www.facebook.com/KACVTV",
        "twitter_url": "http://twitter.com/PanhandlePBS",
        "station_kids_url": "",
        "passport_url": "https://kacv.secureallegiance.com/kacv/WebModule/Signon.aspx?P=CALLCENTER&PAGETYPE=PLG&CHECK=fiYWhgtNKHHv9jDXe9k%2f4L1YhDw50SikSh2nq0qouhg%3d",
        "telephone": "(806) 371-5222",
        "fax": "(806) 371-5258",
        "city": "Amarillo",
        "state": "TX",
        "address_line_1": "2408 S. Jackson",
        "address_line_2": "P.O. Box 447",
        "zip_code": 79178,
        "email": "PanhandlePBS@actx.edu",
        "tag_line": "",
        "primary_channel": "",
        "primetime_start": "7PM",
        "images": [
          {

```

```

        "url": "http://image.pbs.org/stations/kacv-black-logo-SU4Zh9o.png",
        "profile": "black-logo"
    },
    {
        "url": "http://image.pbs.org/stations/kacv-white-logo-KYRSwX8.png",
        "profile": "white-logo"
    },
    {
        "url": "http://image.pbs.org/stations/kacv-color-logo-uiSZViK.png",
        "profile": "color-logo"
    }
],
"updated_at": "2016-12-06T14:22:24.701762Z"
},
"links": {
    "self": "https://station.services.pbs.org/api/public/v1/stations/838f7279-cacf-4561-bd33-ac9a4b1429e8"
}
/"
},
"id": "838f7279-cacf-4561-bd33-ac9a4b1429e8",
"type": "station"
},
{
    "attributes": {
        "call_sign": "KAET",
        "full_common_name": "Arizona PBS",
        "short_common_name": "ArizonaPBS",
        "tvss_url": "http://www.azpbs.org/schedule",
        "donate_url": "http://www.azpbs.org/support/donate.php",
        "timezone": "America/Phoenix",
        "video_portal_url": "http://video.azpbs.org",
        "website_url": "http://www.azpbs.org",
        "facebook_url": "https://www.facebook.com/arizonapbs",
        "twitter_url": "https://twitter.com/arizonapbs",
        "station_kids_url": "",
        "passport_url": "http://kaet.convio.net/site/Donation2?df_id=14065&mfc_pref=T&14065.donation=form1",
        "telephone": "(602) 496-8888",
        "fax": "(602) 496-8045",
        "city": "Phoenix",
        "state": "AZ",
        "address_line_1": "Arizona PBS/KAET-TV",
        "address_line_2": "555 North Central Avenue, Suite 500",
        "zip_code": 85004,
        "email": "",
        "tag_line": "",
        "primary_channel": "Arizona PBS",
        "primetime_start": "7PM",
        "images": [
            {
                "url": "http://image.pbs.org/stations/kaet-black-logo-hCQbMES.png",
                "profile": "black-logo"
            },
            {
                "url": "http://image.pbs.org/stations/kaet-white-logo-Llx407Q.png",
                "profile": "white-logo"
            },
            {
                "url": "http://image.pbs.org/stations/kaet-color-logo-cY7tFGf.png",
                "profile": "color-logo"
            }
        ],
        "updated_at": "2016-12-05T17:09:16.908590Z"
    },
    "links": {
        "self": "https://station.services.pbs.org/api/public/v1/stations/6d08b852-2c19-4eb7-9348-a5e15b685357"
    }
}
/"
},
"id": "6d08b852-2c19-4eb7-9348-a5e15b685357",
"type": "station"
},

```

Filter by Station ID

Requesting the station that will match WETA station ID. This will always return 1 or 0 results, because the filtering is an exact match by ID.



How Do I Get Station ID?

Look up the station ID using the link below, and appending the station flagship call sign to the end. In the response, look for the "id" field. Use this id value to Filter by Station ID, which is the recommended way to request station data. (This is because call signs can change; the ID will never change.) The example below uses WETA:

https://station.services.pbs.org/api/public/v1/stations/?call_sign=WETA

Filter by Station ID

```
https://station.services.pbs.org/api/public/v1/stations/92d89794-5ff0-4fe6-a443-cc888104e021
```

Station information returned

```
{
  "data": {
    "type": "station",
    "id": "92d89794-5ff0-4fe6-a443-cc888104e021",
    "attributes": {
      "call_sign": "WETA",
      "full_common_name": "WETA",
      "short_common_name": "WETA",
      "tvss_url": "http://www.weta.org/schedule",
      "donate_url": "http://support.weta.org/pbs",
      "timezone": "America/New_York",
      "video_portal_url": "http://watch.weta.org",
      "website_url": "http://www.weta.org",
      "facebook_url": "http://facebook.com/wetatvfm",
      "twitter_url": "http://twitter.com/wetatvfm",
      "station_kids_url": "http://www.weta.org/kids",
      "passport_url": "http://support.weta.org/passport",
      "telephone": "(703) 998-2724",
      "fax": "(703) 998-3401",
      "city": "Arlington",
      "state": "VA",
      "address_line_1": "3939 Campbell Avenue",
      "address_line_2": "",
      "zip_code": 22206,
      "email": "audienceservices@weta.org",
      "tag_line": "Public television and classical music for Greater Washington",
      "primary_channel": "WETA TV",
      "primetime_start": "8PM",
      "images": [
        {
          "profile": "black-logo",
          "url": "http://image.pbs.org/stations/weta-black-logo-fgPrvsK.png"
        },
        {
          "profile": "white-logo",
          "url": "http://image.pbs.org/stations/weta-white-logo-JQgQDpP.png"
        },
        {
          "profile": "color-logo",
          "url": "http://image.pbs.org/stations/weta-color-logo-iZbJH8k.png"
        }
      ],
      "updated_at": "2016-12-06T14:42:24.139513Z"
    }
  },
  "jsonapi": {
    "version": "1.0"
  },
  "meta": {
    "type": "resource"
  },
  "links": {
    "self": "https://station.services.pbs.org/api/public/v1/stations/92d89794-5ff0-4fe6-a443-cc888104e021/"
  }
}
```

HTTP Response Status Codes

The possible Status codes returned by this call are **200**, **401**, **403**, **500**. For information about these statuses, refer to the [HTTP response status codes section](#).

HTTP Request Headers

The header 'Content-type' should have the value 'application/json' as described in [HTTP Request headers](#).

HTTP Response Status Codes

The following are possible status codes returned by API calls responses.

Status code	Meaning	Resolution
200	Success	Operation was successful
400	Bad request	Description of the error will be given in the payload
401	Unauthenticated consumer	The consumer with this key:secret pair doesn't exist in the system
403	Unauthorized consumer	The consumer with the key:secret doesn't have access to this resource
404	No resources found	The demanded resources can not be found
500	Internal server error	Unknown error

```
"timezone": "America/Chicago",
```

Pagination

The Station Manager API uses "page-size" to determine the number of results displayed on one page. The maximum allowed number of results that you can display is 50.

The following is an example returning three stations.

Pagination example

```
https://station.services.pbs.org/api/public/v1/stations/?page-size=3
```

Select page

The Station Manager API uses "page=" to determine which page of results you wish to view. If you have 10 pages of results, you can use this filter to jump to page two, or any other page within the 10 results.

The following is an example of jumping to page two of the list of results for stations.

Select page example

```
https://station.services.pbs.org/api/public/v1/stations/?page=2
```