

VoD Widget and Feed Specifications 1.0

This widget allows any VoD or Catch up to be presented inside the app whilst maintaining the overall style and orientation.

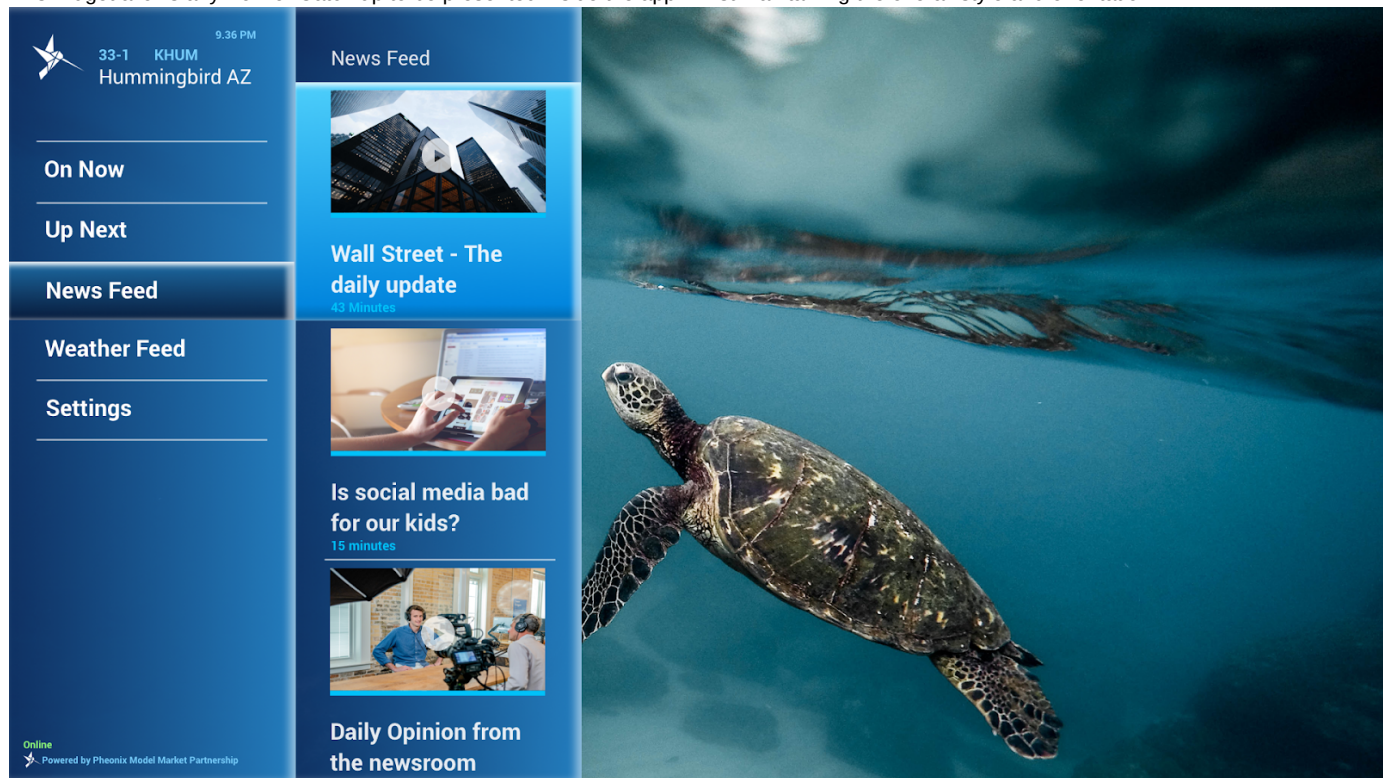


Figure 1: A generic example of VoD Widget

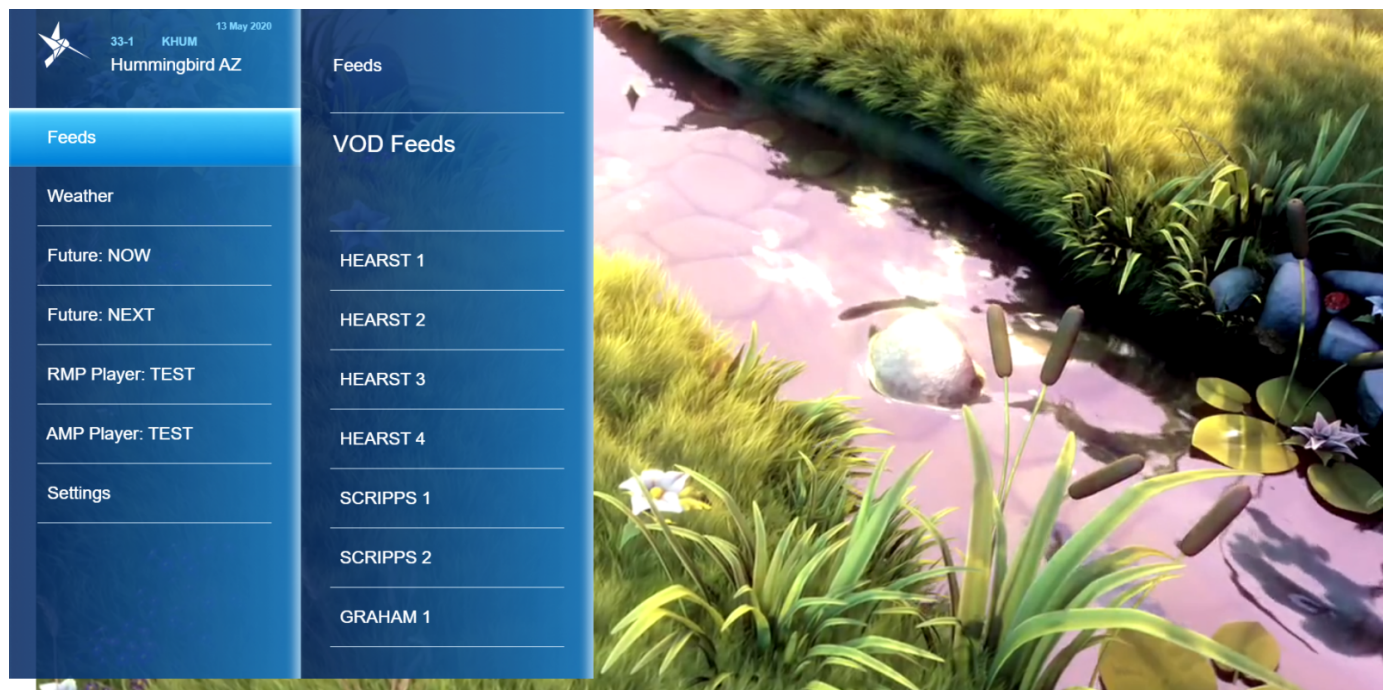


Figure 2: VoD widget as implemented in the current Broadcaster Starter Kit

Specification

root

The following properties are contained in the root of the feed.

title - optional

```
"title": "Title of the feed"
```

language - optional

```
"language": "en-us"
```



Not sure of the use for this property.

<http://www.rssboard.org/rss-language-codes>

pubDate - optional

```
"pubDate": "Thu, 05 Sep 2019 17:33:19 -0500"
```



RFC 822 [Date and Time Specification](#)

items

This object contains an array of objects of video items to be displayed.

guid

Identifies the item uniquely.

```
"items" : [  
  {"guid": "1598986819535"}  
]
```

title

Provides the title of the content item.

```
"items" : [  
  {"guid": "1598986819535",  
   "title": "Work Study Program Allows HS Students To Afford Private  
School"}  
]
```

⚠️ No support for language specific titles.

1. A new feed is requested for the language specific feed
2. Add support for new array of title.

```
"title": [  
  {"en-us": "Work Study Program Allows HS Students To Afford Private School"},  
  {"es": "El programa de estudio de trabajo permite a los estudiantes de HS pagar la escuela privada"}  
]
```

description

Provides the title of the content item.

```
"items" : [  
  {"guid": "1598986819535",  
   "description": "All aboard! The beloved Hobo and Winnepesaukee Scenic  
Railroads are getting ready to kick off another season."}  
]
```

⚠️ No support for language specific description

media:group in *items*

Is a sub object of {items} and contain the following objects as an array.

media:thumbnail

Provides an array of different thumbnail url's to access a thumbnail of the content item.

Optionally the height, width to provide guidance for the receiver to use appropriate size.

```
"items" : [  
  {"guid": "1598986819535",  
   "media:group": {  
     "media:thumbnail": [{  
       "url": "https://media.server.com/images/740*416/Wesley_Mathews.  
jpg"  
     },  
     {  
       "url": "https://media.server.com/images/1280*720/Wesley_Mathews.  
jpg",  
       "width": "1280",  
       "height": "720"  
     }  
   ]  
  }  
]
```



Consider providing a few variants so the menu shows the small image for quick download, and larger ones on other screen real estate.

1. 1280 x 720
2. 720 x 576
3. 640 x 360

media:content

Provides an array of different content url's and associated information to access the content. Different formats can be provided by declaring the type. Support video formats defined in the Video Formats section.

duration: - number of seconds



if the value of the duration is 0

v1.9.1 onwards will treat this as a live stream.

type: - standard mime type of the content defined in the URL.

url: - a direct URL to the media content

bitrate: - *kbps rate of the media (optional). If multiple content formats are provided, useful for application logic.*

filesize: - *number of bytes (optional)*

height: - *height of the video in pixels (optional)*

width: - *width of the video in pixels (optional)*

```

"items" : [
  {"guid": "1598986819535",
   "media:group": {
     "media:content": [
       {
         "bitrate": "5400",
         "duration": "103904",
         "filesize": "73151740",
         "height": "1080",
         "type": "application/dash+xml",
         "url": "https://d1akq03u1jevln.cloudfront.net/t_1e_video
/hlsv4_master.mpd",
         "width": "1920"
       },
       {
         "bitrate": "5400",
         "duration": "103904",
         "filesize": "72157730",
         "height": "1080",
         "type": "video/mp4",
         "url": "https://d1akq03u1jevln.cloudfront.net/t_1e_video
/file_1920x1080-5400-v4.mp4",
         "width": "1920"
       }
     ]
   }
}
]

```



MP4 and DASH-IF supported formats

media:subTitle

Provides an array of different supported subtitle url's.

type: - provides information on the type of the subtitle contained in the href.

href: - a direct URL to the subtitle content

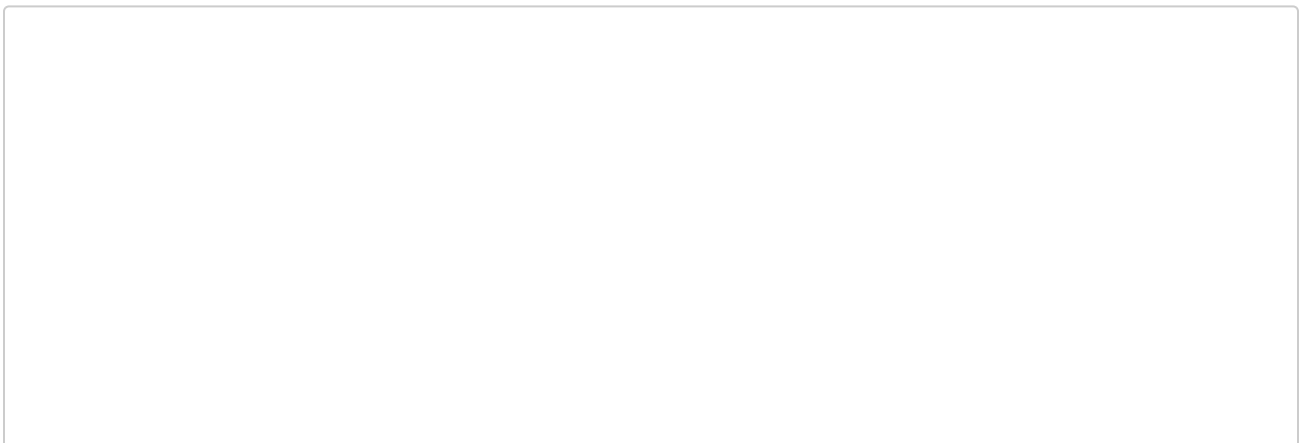
lang: - the supported language

```

"items" : [
  {"guid": "1598986819535",
   "media:group": {
     "media:subTitle": [
       {
         "href": "https://d2ehzas3viu4sl.cloudfront.net
/t_750a7288a7d24e36883566da07d4f28a_name_captions.srt",
         "type": "text/srt",
         "lang": "en-us"
       },
       {
         "href": "https://d2ehzas3viu4sl.cloudfront.net
/t_750a7288a7d24e36883566da07d4f28a_name_captions_es.srt",
         "type": "text/srt",
         "lang": "es"
       },
       {
         "href": "https://d2ehzas3viu4sl.cloudfront.net/a7c4f8ca-f060-
4f1e-b31a-297150c98995/2_1567786824575/a7c4f8ca-f060-4f1e-b31a-
297150c98995_5d72872552faff0009276a88.dfxp",
         "type": "application/ttml+xml"
       },
       {
         "href": "https://d2ehzas3viu4sl.cloudfront.net/a7c4f8ca-f060-
4f1e-b31a-297150c98995/2_1567786824725/a7c4f8ca-f060-4f1e-b31a-
297150c98995_5d72872552faff0009276a88.vtt",
         "type": "text/vtt"
       }
     ]
   }
}
]

```

Example



```
{
  "title": "Title of the feed",
  "language": "en-us",
  "pubDate": "Thu, 05 Sep 2019 17:33:19 -0500",
  "items": [
    {
      "guid": "867617240",
      "title": "Week in 2:10: Accused Medical Center rapist plea deal denied; Bird Bakery theft case",
      "description": "All aboard! The beloved Hobo and Winnepesaukee Scenic Railroads are getting ready to kick off another season.",
      "pubDate": "Fri, 06 Sep 2019 20:24:01 GMT",
      "media:group": {
        "media:content": [
          {
            "duration": "130830",
            "type": "application/dash+xml",
            "url": "https://www.cloudfront.net/dash_master.mpd"
          },
          {
            "duration": "130830",
            "type": "video/mp4",
            "url": "https://www.cloudfront.net/file_1920x1080-5400-v4.mp4"
          }
        ],
        "media:subTitle": [
          {
            "href": "https://www.cloudfront.net/9e77c00093a3de6.srt",
            "type": "text/srt"
          },
          {
            "href": "https://www.cloudfront.net/9e77c00093a3de6.vtt",
            "type": "text/vtt"
          },
          {
            "href": "https://www.cloudfront.net/9e77c00093a3de6.dfxp",
            "type": "application/ttml+xml"
          }
        ],
        "media:thumbnail": [
          {
            "url": "https://media.cloudfront.com/comments20190601014749.jpg_21924342_ver1.0_1280_720.jpg"
          }
        ]
      }
    }
  ]
}
```

References

RSS

 <http://www.rssboard.org/rss-specification>

MRSS

 <http://www.rssboard.org/media-rss>

Future Enhancements

A planned enhancement to this widget is the addition of Horizontal VoD strip as depicted below. This will offer broadcasters an opportunity to create their own VoD strip and serve their preferred or related content



Figure 3: Horizontal VoD widget (Future)

Feed Specifications

Below is the code showing some feeds that are currently integrated in the broadcaster starter kit

```
"hearst-feed-1": [
  {"type": "strip", "app": "catch-up", "feed": "https://secure-
receiver-service.atsc3-modelmarket.com/feed/hearst/feed1.json"}
],
"hearst-feed-2": [
  {"type": "strip", "app": "catch-up", "feed": "https://secure-
receiver-service.atsc3-modelmarket.com/feed/hearst/feed2.json"}
],
"hearst-feed-3": [
  {"type": "strip", "app": "catch-up", "feed": "https://secure-
receiver-service.atsc3-modelmarket.com/feed/hearst/feed3.json"}
],
"hearst-feed-4": [
  {"type": "strip", "app": "catch-up", "feed": "https://secure-
receiver-service.atsc3-modelmarket.com/feed/hearst/feed4.json"}
],
"scripps-feed-1": [
  {"type": "strip", "app": "catch-up", "feed": "https://secure-
receiver-service.atsc3-modelmarket.com/feed/scripps/feed1.json"}
],
"scripps-feed-2": [
  {"type": "strip", "app": "catch-up", "feed": "https://secure-
receiver-service.atsc3-modelmarket.com/feed/scripps/feed2.json"}
],
"graham-feed-1": [
  {"type": "strip", "app": "catch-up", "feed": "https://secure-
receiver-service.atsc3-modelmarket.com/feed/graham/feed1.json"}
],
```

How to edit my menu to link a feed?