

Youtube Playlist in App

This documentation helps you in modifying AppSetting.cs in XPlatformCloudKit to create app based on Youtube Playlist.

1. Using RssService to return the Youtube Playlist

Turn on the RssService by setting EnableRssService = true

```
#region RssService Settings
public static bool EnableRssService = true; //Use RssAddressCollection
public static int RssMaxItemsPerFeed = -1; //The Maximum number of items to fetch for each feed. Enter Negative value to fetch all.
public static bool RssOrderDescending = false; // The order items in the feed should be rendered on screen. News is usually descending (n
```

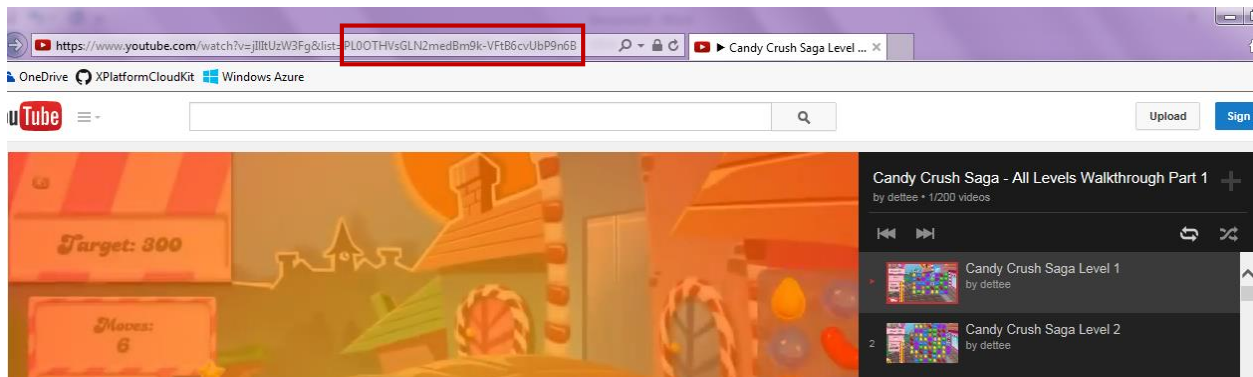
Insert or uncomment the line

```
new UriSource{Url = "http://gdata.youtube.com/feeds/api/playlists/PL00THVsGLN2medBm9k-VFtB6cvUbP9n6B?alt=rss&max-results=50&start-index=1", Group = "Youtube Playlist Example"};
```

```
//NOTE: Youtube public RSS APIs *may* work but are not guaranteed longterm, official deprecation announced on March 4, 2014
//More info @ https://developers.google.com/youtube/2.0/developers_guide_protocol_deprecated
//Highly suggested to use
new UriSource{Url = "http://gdata.youtube.com/feeds/api/playlists/PL00THVsGLN2medBm9k-VFtB6cvUbP9n6B?alt=rss&max-results=50&start-index=1",
//new UriSource{Url = "http://gdata.youtube.com/feeds/base/videos?alt=rss&q=xbox%20one", Group = "Youtube query example"},
//new UriSource{Url = "http://gdata.youtube.com/feeds/base/videos?alt=rss&author=thewindotnet", Group = "Youtube author example"},
};
```

This command line get feed from the youtube playlist through api v2.

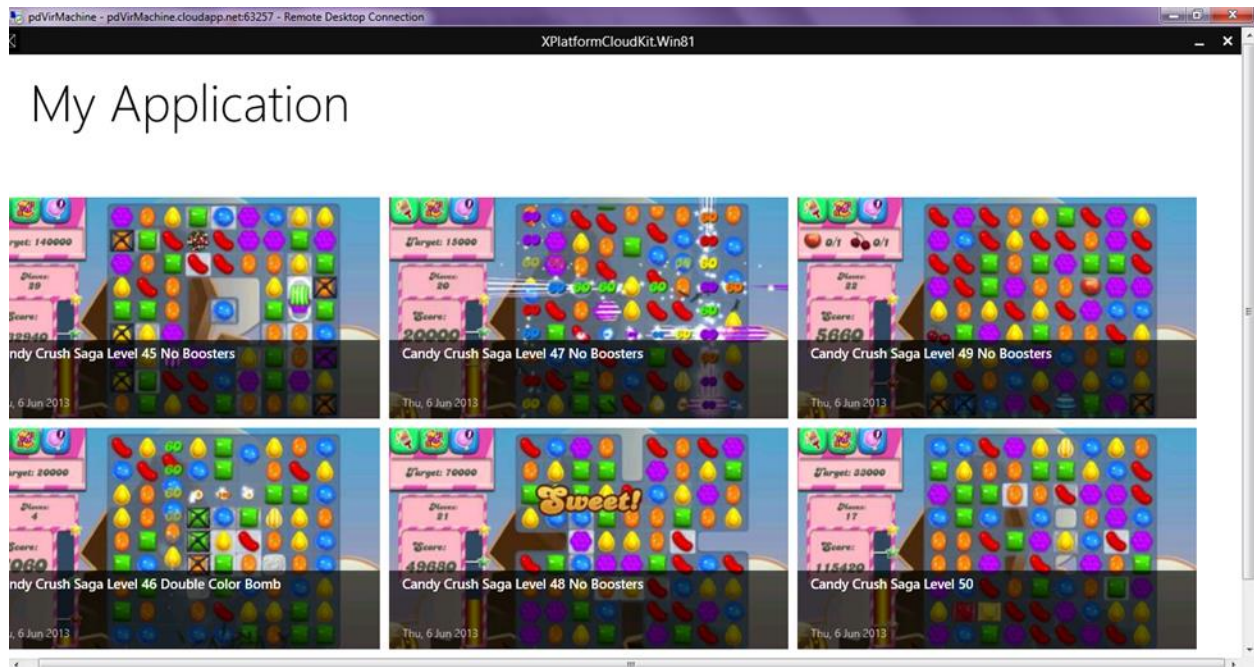
“PL00THVsGLN2medBm9k-VFtB6cvUbP9n6B” is the playlist id from web address or URL when opening the playlist on youtube. It usually start with PL and after the “=” sign



“max-result”: how many video in the playlist that you want to return (from 1 - 50)

“Start-index”: the number in order of video to begin in the playlist

Compile the program, the result is showed as below screenshot



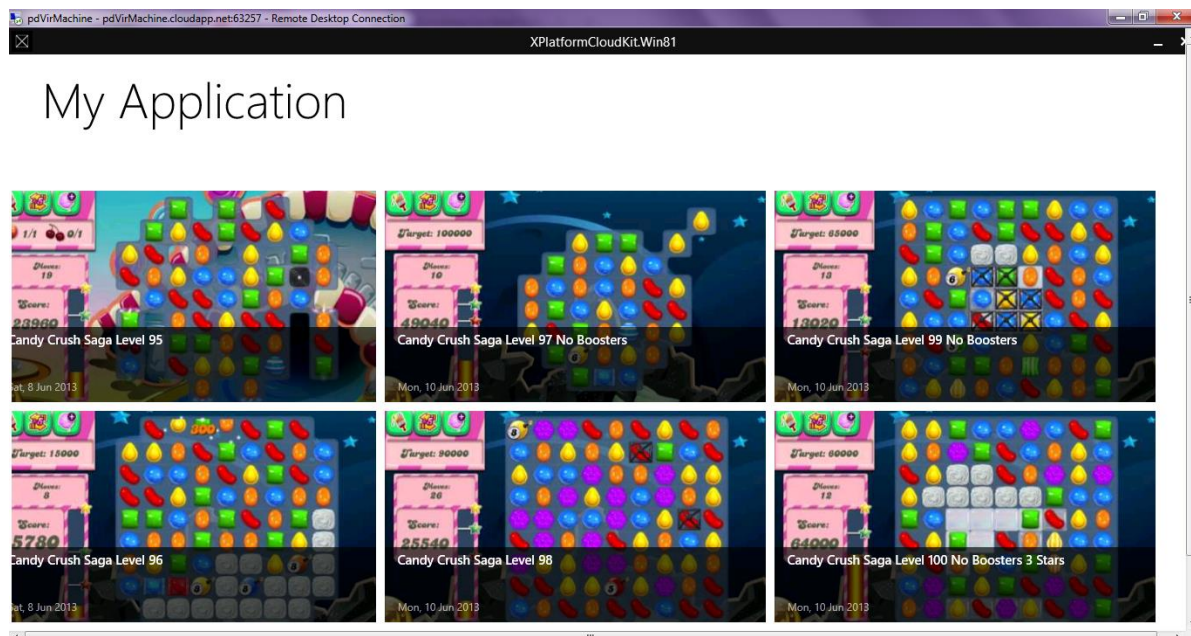
Because of the maximum results return is 50, to bring back more than 50, you can insert same command as the one above but change the start-index to 51.

```
//NOTE: Youtube public RSS APIs *may* work but are not guaranteed longterm, official deprecation announced on March 4, 2014
//More info @ https://developers.google.com/youtube/2.0/developers\_guide\_protocol\_deprecated
//Highly suggested to use
```

```
new UriSource{Url = "http://gdata.youtube.com/feeds/api/playlists/PL00THVsGLN2medBm9k-VftB6cvUbP9n6B?alt=rss&max-results=50&start-index=1",
new UriSource{Url = "http://gdata.youtube.com/feeds/api/playlists/PL00THVsGLN2medBm9k-VftB6cvUbP9n6B?alt=rss&max-results=50&start-index=51",
```

```
//new UriSource{Url = "http://gdata.youtube.com/feeds/base/videos?alt=rss&q=xbox%20one", Group = "Youtube query example"},
```

And the result as below



2. Using Youtube Service as third party service

Turn on Youtube Service by setting enableYoutubeService = true

```
#region 3rd Party Services
//Subject to changes outlined by the API host - not guaranteed to work forever!
#region YoutubeService
public static bool EnableYoutubeService =true;
//Created @ https://code.google.com/apis/console. enable YouTube Data API v3 under APIs then find under Credentials
```

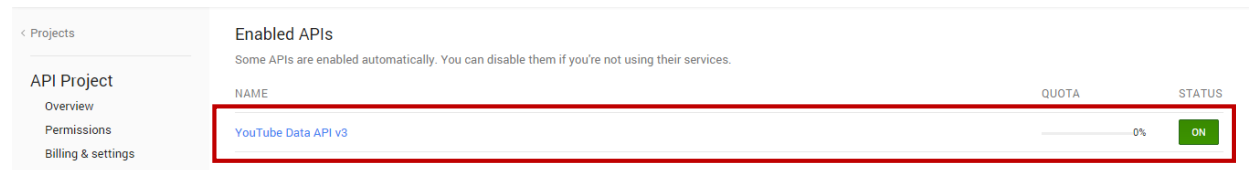
Before going further, it is necessary to create YoutubePublicAPIKey.

Go to <https://console.developers.google.com/project/714750176500> and log in to Google Account.

On the right panel, click on APIs & auth / APIs and enable YouTube Data API v3.

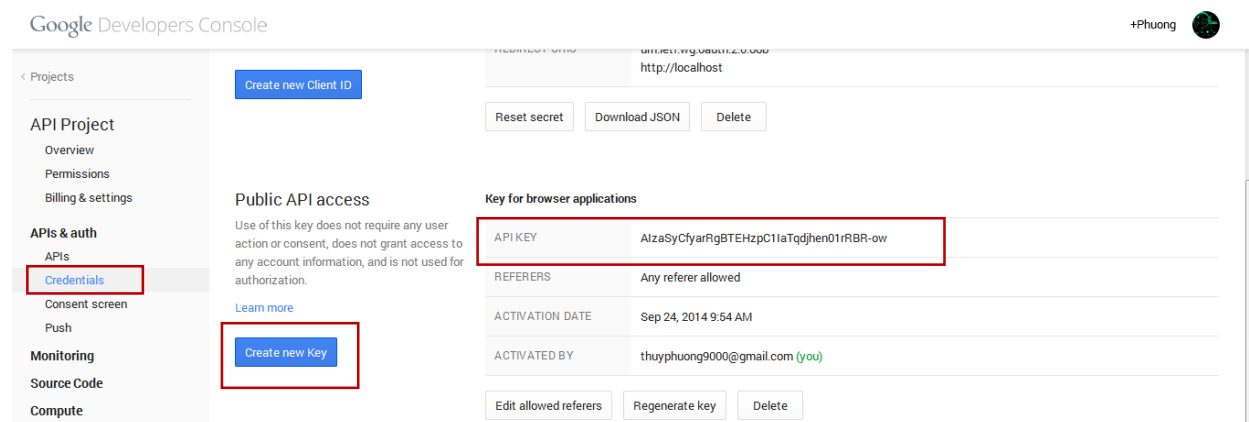


Make sure that Youtube Data API v3 is on as screenshot below.



Go to Credentials below API & auth tab to create Public API Access.

Click on Create a New Key / Choose browser key / Create



Going back to Visual Studio and AppSettings.cs to insert API Key in the program

```
//Created @ https://code.google.com/apis/console, enable YouTube Data API v3 under APIs then click Credentials
//Under Public API Access - click "Create New Key"
public static string YoutubePublicAPIKey = "AIzaSyCfyarRgBTEHzpC1IaTqdJhen01rRBR-ow";

public static UriSource[] YoutubeAddressCollection =
{
    new UriSource {Url = "https://www.googleapis.com/youtube/v3/playlistItems?playlistId=PL00THVsGLN2medBm9k-VftB6cvUbP9n6B&part=snippet";
};
```

“playlistItems?playlistId” playlist ID from youtube

“part”: The part names that you can include in the parameter value are id, snippet, and contentDetails. If you set part=snippet, the API response will also contain all of those nested properties. (string)

“maxResults”: maximum number of results return

“fields”:

“key” : API Key

There are several option for playing the video such as to enable full screen video using

`public static bool ForceYoutubeVideosToLoadFullScreen = false;`

or to maximizes screen real-estate used by Youtube Videos in ItemDescriptionView using

`public static bool MaximizeYoutubeVideos = true;`

```
#region Youtube Video Link Options

//Forces Youtube links to be rewritten so that they load the video only in full screen
//This produces a very clean look as the related videos etc are not visible
public static bool ForceYoutubeVideosToLoadFullScreen = false;

//Maximizes screen real-estate used by Youtube Videos in ItemDescriptionView
public static bool MaximizeYoutubeVideos = true;
#endregion

#endregion

#region TwitterService
public static bool EnableTwitterService = false;
```