Nokia MixRadio app-to-app protocol for Windows Phone 8

This article explains how to access Nokia MixRadio services using the Nokia MixRadio app's published app-to-app protocol.

Introduction

Windows Phone 8 exposes an app-to-app protocol API for 3rd party applications. This can be used to launch the Nokia MixRadio app with the Launching API for Windows Phone, search for an artist or an album, get details of a particular song or an album, get nearest gigs etc. This article describes how to use Nokia MixRadio app-to-app protocol in an application to access the Nokia MixRadio service.

Tip: The protocol relies on the existence of the Nokia MixRadio app, which will not be present on non-Nokia devices. If your code may run on other devices a good approach is to use the Nokia MixRadio API Launchers - not only do these provide the common "launcher" interface, but they also provide fallback-to-web behaviour if Nokia MixRadio app is not present.

What is app-to-app protocol ?

App-to-app protocols allow one app to launch another app with a specific URI Scheme. With Windows Phone 8, we can also register our app as 3rd party application to support app-to-app protocol and can allow other app to open our app and use elements of our app into their app.

But here we will see how to use Nokia MixRadio API Launchers for Windows Phone 8 to use various services of Nokia MixRadio . To call app-to-app protocol, we need to use Launcher.LaunchUriAsync(Uri) method and pass URI schema in it. For example, to launch Nokia MixRadio app from other app, call `Launcher.LaunchUriAsync(Uri)` with URI Schema `nokia-music://`

```
Windows.System.Launcher.LaunchUriAsync(new Uri("nokia-music://"));
```

Note: This code cant be tested on Windows Phone 8 Emulator due to lack of Nokia MixRadio app but can test only on Nokia Lumia Windows Phone 8 device. If you want to test this code in Emulator, You need .xap file of Nokia MixRadio to install Nokia MixRadio app manually.

Nokia MixRadio app-to-app protocol

Here are the list of Nokia MixRadio app-to-app protocol with example.

Launch App

Task	URI
Launch App	nokia-music://

Example:

```
Windows.System.Launcher.LaunchUriAsync(new Uri("nokia-music://"));
```

Search Artist

Task	URI
Search	nokia-music://search/anything/?term={searchtext}

Example:

```
Windows.System.Launcher.LaunchUriAsync(new Uri("nokia-music://search/anything/?
term=green day"));
```


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Show Artist Details

Task	URI
Show Artist Details By Id	nokia-music://show/artist/?id={id}
Show Artist Details By name	nokia-music://show/artist/?name={name}

Example:

```
Windows.System.Launcher.LaunchUriAsync(new Uri(“ nokia-music://show/artist/?name=green day”));
```

Play Artist Mix

Task	URI
Play an Artist Mix	nokia-music://play/artist/?artist={name}

Example:

```
Windows.System.Launcher.LaunchUriAsync(new Uri(“nokia-music://play/artist/?artist=green day”));
```

Show Gigs Around You

Task	URI
Show Gigs Around You	nokia-music://show/gigs

Example:

```
Windows.System.Launcher.LaunchUriAsync(new Uri(“nokia-music://show/gigs”));
```

Search for Gigs

Task	URI
Search for Gigs	nokia-music://search/gigs/?term={term}

Example:

```
Windows.System.Launcher.LaunchUriAsync(new Uri(“nokia-music://show/gigs”));
```

Show Curated Mixes

Task	URI
Show Curated Mixes	nokia-music://show/mixes

Example:

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```
Windows.System.Launcher.LaunchUriAsync(new Uri("nokia-music://show/mixes"));
```

Play a Curated Mix

Task	URI
Play a Curated Mix	nokia-music://play/mix/?id={id}

Example:

```
Windows.System.Launcher.LaunchUriAsync(new Uri("nokia-music://play/mix/?id=18523926"));
```

Show Product Details (e.g. Album)

Task	URI
Show Product Details (e.g. Album)	nokia-music://show/product/?id={id}

Example:

```
Windows.System.Launcher.LaunchUriAsync(new Uri("nokia-music://show/product/?
id=36100035"));
```

See also

- Nokia MixRadio API
- Nokia MixRadio Launchers

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