Spotify for Developers





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Spotify for Developers





Zune for Developers





Microsoft Music Hardware, Software and Marketplace Ecosystem

Zune Social XML from flash-based Zune Cards and undocumented API

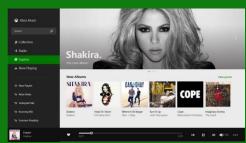
ZuneCardr - Zune Social on Windows Phone 7 with over 330,000 downloads





Xbox Music for Developers





Microsoft music service - rebranded from Zune Music Service

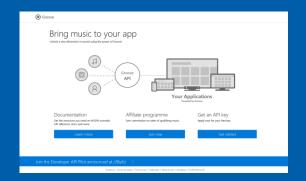
Fully-documented API, Developer Pilot programme

Al-enhanced image service & opensource SDK





Groove for Developers





Microsoft music service, rebranded from Xbox Music – ended 2018

Fully-documented API, full music playback and open-source SDK

TuneCardr – brought back core ZuneCardr features to Windows 10





Spotify for Developers

Build experiences for millions of music lovers with playback, personalization, and much, much more.



Independent music service, ex-Groove users optionally transitioned to Spotify

Fully-documented API & interactive web console to test API calls online

First-party JavaScript, iOS & Android SDKs and third-party SDKs on NuGet



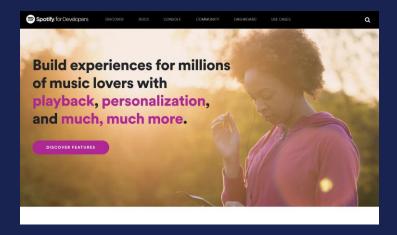


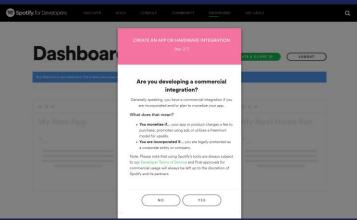
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Spotify for Developers

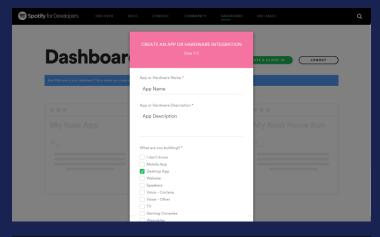
Dashboard

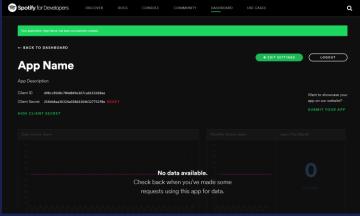












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Authorisation Guide





Authorisation Guide

Authorisation Scopes

Listening History

user-read-recently-played

user-top-read

Library

user-library-modify

user-library-read

Playlists

playlist-read-private

playlist-modify-public

playlist-modify-private

playlist-read-collaborative

Users

user-read-email

user-read-birthdate

user-read-private

ugc-image-upload*

Spotify Connect

user-read-playback-state

user-modify-playback-state

user-read-currently-playing

Playback

app-remote-control

streaming

Follow

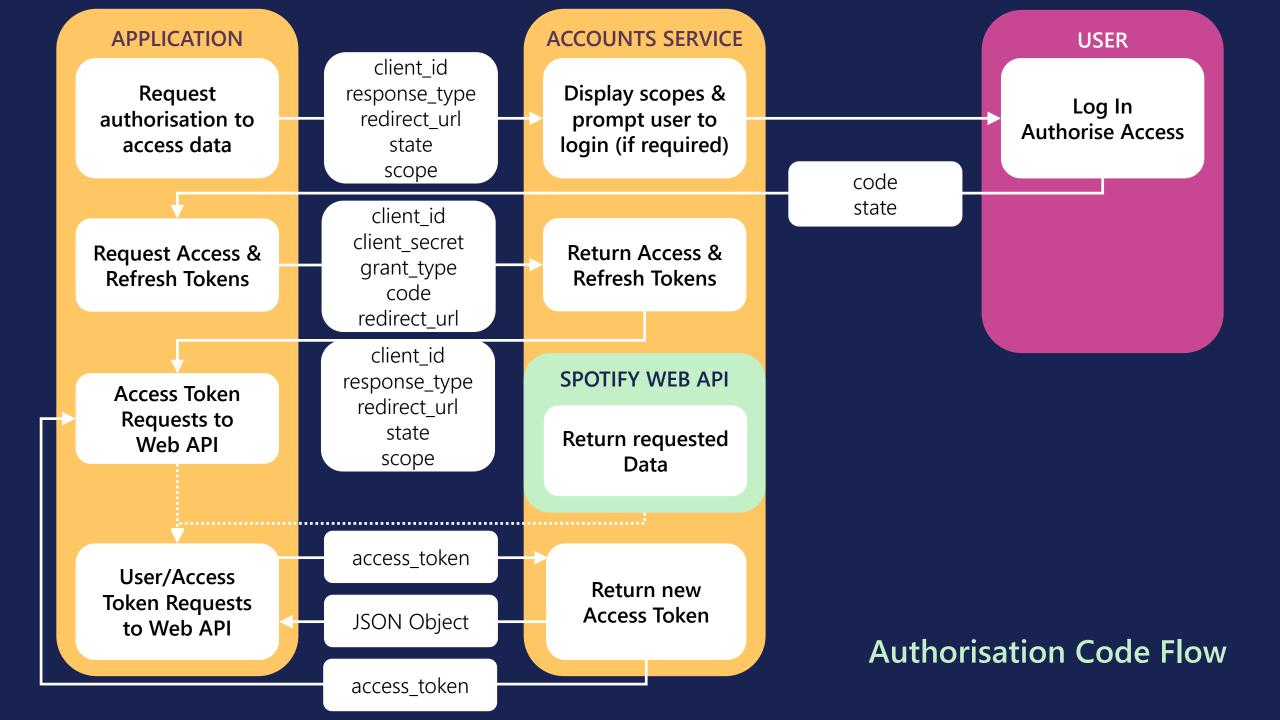
user-follow-read

user-follow-modify

Authorisation Guide

Authorisation Code Flow





Access Code Request

Query Parameter		
client_id	Client ID provided to you by Spotify when you registered your application	
response_type	Set to "code"	
redirect_uri	URI to redirect to after the user grants/denies permission. This URI needs to be entered in the URI whitelist that you specify when you registered your application	
state	Strongly recommended as state can be useful for correlating requests and responses	
scope	A space-separated list of scopes	
show_dialog	Whether or not to force user to approve the app again if they've already done so	

Example

https://accounts.spotify.com/authorize?client_id=5fe01282e44241328a84e7c5cc169165&response_type=code&redirect_uri=https%3 A%2F%2Fexample.com%2Fcallback&scope=user-read-private%20user-read-email&state=DDD

Authorisation Code Flow

Access Code Response

User Accepts Request

https://example.com/callback?code=NApCCgBkWtQ&state=DDD

code Authorisation code that can be exchanged for Token

state Value of the state parameter supplied in the request

User Denies Request or Error Occurred

https://example.com/callback?error=access_denied&state=DDD

error Reason authorisation failed, for example: "access_denied"

state Value of the state parameter supplied in the request

Authorisation Code Request

Header			
Authorization	Base 64 encoded string containing client ID and client secret		
Body Parameter			
grant_type	Set to "authorization_code"		
code	Authorisation code returned from Access Code Request		
redirect_uri	URI to redirect to after the user grants/denies permission. This URI needs to be entered in the URI whitelist that you specify when you registered your application		

Authorisation Code Response

POST https://accounts.spotify.com/api/token Header Body Authorization: Basic *<base64 encoded client_id:client_secret>* \[\begin{array}{ccess_token in the image is token in

Authorisation Code Result

Response		
access_token	Access token that can be provided in subsequent calls e.g. Spotify Web API services	
token_type	How the access token may be used - always "Bearer"	
scope	Space-separated list of scopes which have been granted for this access_token	
expires_in	Time period (in seconds) for which the access token is valid.	
refresh_token	Token that can be sent to Spotify Accounts service in place of authorisation code	

Refresh Token Request

Header		
Authorization Base 64 encoded string containing client ID and client secret		
Body Parameter		
grant_type	Set to "refresh_token"	
refresh token	Refresh Token returned from the Authorisation Code exchange	

Refresh Token Response

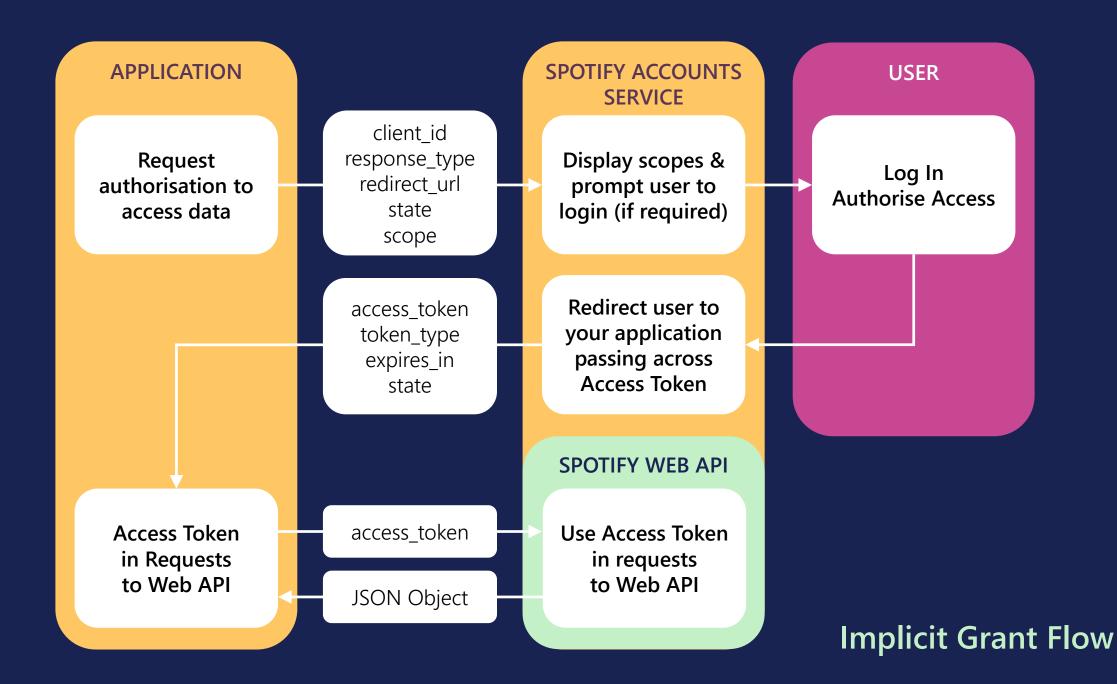
POST https://accounts.spotify.com/api/token Header Body Authorization: Basic *<base64 encoded client_id:client_secret>* "access_token": "NgA6ZcYI...ixn8bUQ", "token_type": "Bearer", "scope": "user-read-email", "expires_in": 3600 }

Refresh Token Result

Response		
access_token	Access token that can be provided in subsequent calls e.g. Spotify Web API services	
token_type	How the access token may be used - always "Bearer"	
scope	Space-separated list of scopes which have been granted for this access_token	
expires_in	Time period (in seconds) for which the access token is valid.	

Implicit Grant Flow





Implicit Grant Request

Query Parameter		
client_id	Client ID provided to you by Spotify when you registered your application	
response_type	Set to "token"	
redirect_uri	URI to redirect to after the user grants/denies permission. This URI needs to be entered in the URI whitelist that you specify when you registered your application	
state	Strongly recommended as state can be useful for correlating requests and responses	
scope	A space-separated list of scopes	
show_dialog	Whether or not to force user to approve the app again if they've already done so	

Example

https://accounts.spotify.com/authorize?client_id=5fe01282e94241328a84e7c5cc169164&redirect_uri=http:%2F%2Fexample.com%2Fcallback&scope=user-read-private%20user-read-email&response_type=token&state=DDD

Implicit Grant Flow

Implicit Grant Response

User Grants Access

https://example.com/callback#access	token=AcTk&token t	type=Bearer&expire	s in=3600&state=DDD

access_tokenToken that can be provided in subsequent calls

token_type Set to "Bearer"

expires_inThe time period (in seconds) for which the access token is valid

stateThe value of the state parameter supplied in the request

User Denies Request or Error Occurred

https://example.com/callback?error=access_denied&state=DDD

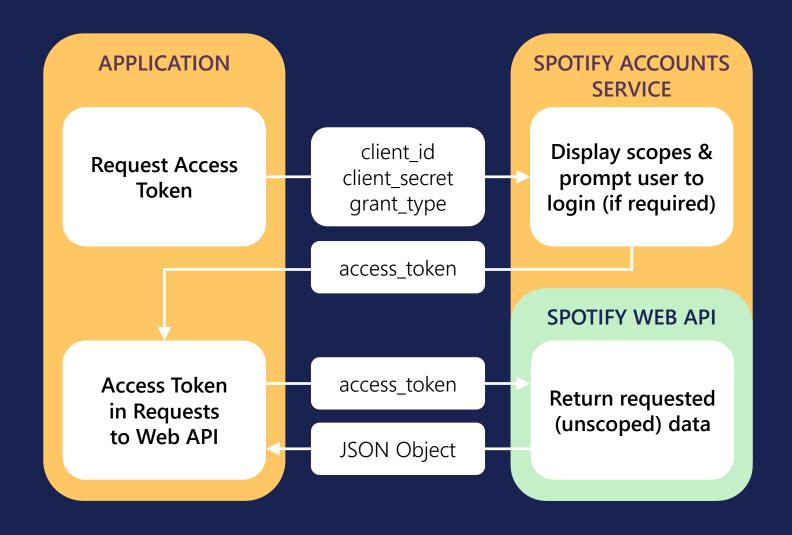
error Reason authorisation failed, for example: "access_denied"

state Value of the state parameter supplied in the request

Implicit Grant Flow

Client Credentials Flow





Client Credentials Flow

Client Credentials Request

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Authorization

Base 64 encoded string that contains client ID and client secret key Format: Authorization: Basic

base64 encoded client_id:client_secret>

Body Parameter

grant_type

Set to "client_credentials"

Client Credentials Response

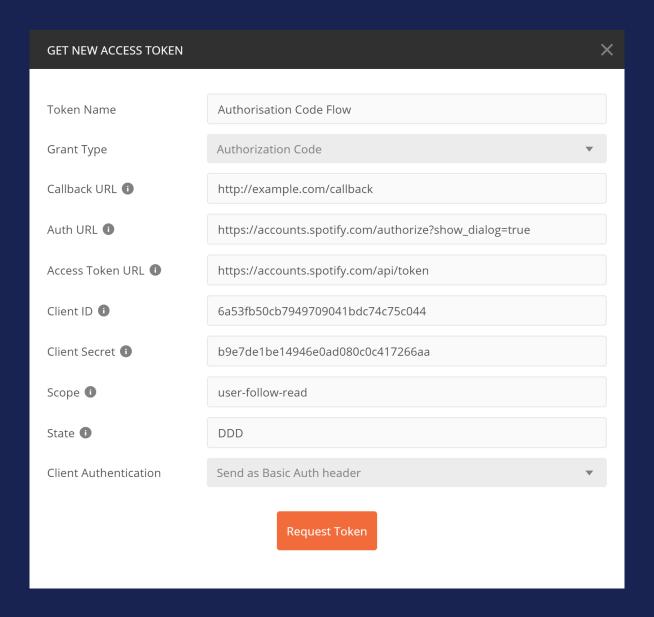
POST https://accounts.spotify.com/api/token Header Response Authorization: Basic *<base64 encoded client_id:client_secret>* "access_token": "NgCXRKc...MzYjw", "token_type": "bearer", "expires_in": 3600, }

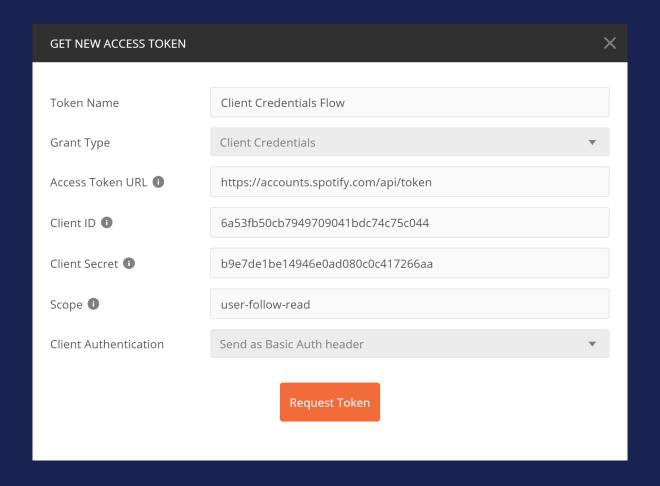
Client Credentials Result

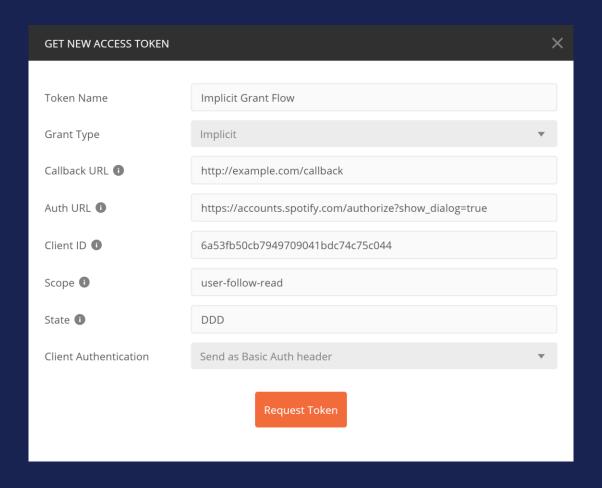
Response		
access_token	Access token that can be provided in subsequent calls e.g. Spotify Web API services	
token_type	How the access token may be used - always "bearer"	
expires_in	Time period (in seconds) for which the access token is valid.	

Authorisation Flows









```
<u>∃using</u> System;
 using System.Collections.Generic;
 using System.Net.Http;
 using System.Net.Http.Headers;
 using System.Text;
 using System.Text.RegularExpressions;
 using System.Threading.Tasks;

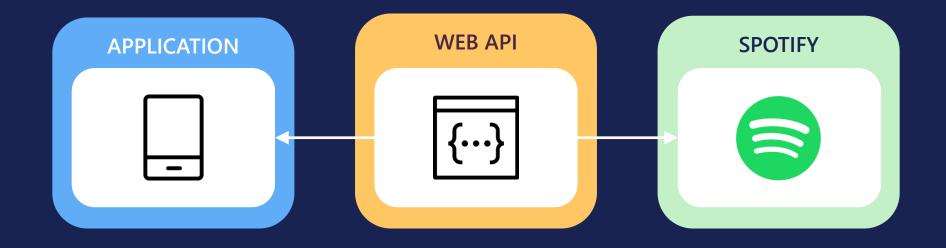
  □ namespace Spotify.Demo.Authentication

     0 references
     class Program
         0 references
         static async Task Main(string[] args)
             var token = string.Empty;
             using (var auth = new HttpClient())
                 auth.DefaultRequestHeaders.Authorization =
                 new AuthenticationHeaderValue("Basic", Convert.ToBase64String(Encoding.ASCII.GetBytes()
                 "6a53fb50cb7949709041bdc74c75c044:b9e7de1be14946e0ad080c0c417266aa")));
                 var response = await auth.PostAsync(new Uri("https://accounts.spotify.com/api/token"),
                 new FormUrlEncodedContent(new Dictionary<string, string>()
                 { { "grant_type", "client_credentials" } }));
                 token = Regex.Match(await response.Content.ReadAsStringAsync(),
                 ".*\"access_token\":\"(.*?)\".*", RegexOptions.IgnoreCase).Groups[1].Value;
             Console.WriteLine(token);
             Console.ReadLine();
```

Spotify Web API



Spotify for Developers



Spotify Web API Requests

Method	Action
GET	Retrieves Resources
POST	Creates Resources
PUT	Changes and/or replaces Resources or Collections
DELETE	Deletes Resources

Spotify Web API Responses

Objects Index

AlbumObject

ArtistObject

AudioFeaturesObject

CategoryObject

ContextObject

CurrentlyPlayingObject

CursorObject

CursorPagingObject

DeviceObject

Objects Index

DevicesObject

ErrorObject

ExternalIdObject

PagingObject

PlayHistoryObject

PlaylistObject

PlaylistTrackObject

PrivateUserObject

PublicUserObject

Objects Index

RecommendationSeedObject

RecommendationsResponseObject

SavedAlbumObject

SavedTrackObject

SimplifiedAlbumObject

SimplifiedTrackObject

TrackObject

TuneableTrackObject

Spotify Web API App Authorisation



App Authorisation

Search

Search for an Item

Browse

Get All Categories

Get a Category

Get a Category's Playlists

Get Recommendations

Get Recommendation Genres

Get All New Releases

Get All Featured Playlists

Playlists

Get a Playlist

Get a Playlist's Tracks

Artists

Get Multiple Artists

Get an Artist

Get an Artist's Albums

Get an Artist's Top Tracks

Get an Artist's Related Artists

Albums

Get Multiple Albums

Get an Album

Get an Album's Tracks

Tracks

Get Audio Features for a Track

Get a Track

Get Audio Analysis for a Track

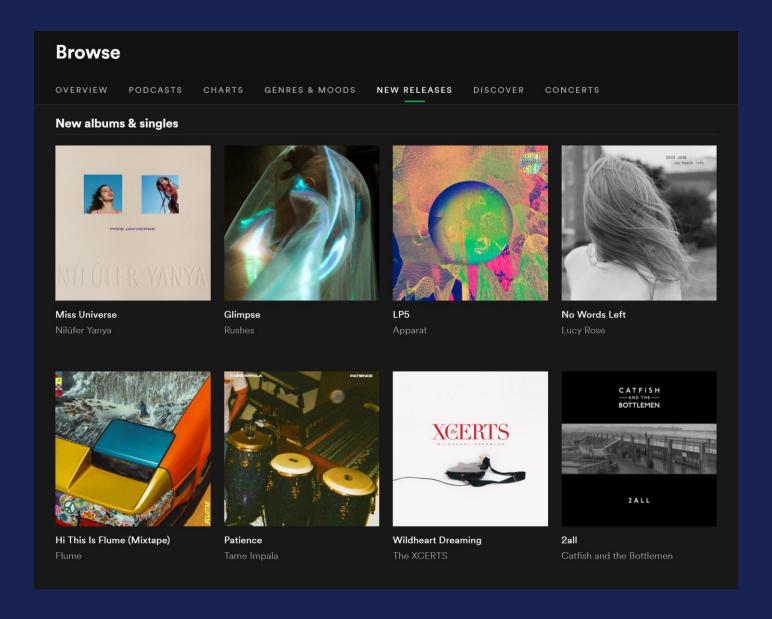
Get Audio Features for Several Tracks

Get Several Tracks

Spotify Web API App Authorisation

Get All New Releases





Get All New Releases

Request

Header		
Authorization	Valid Access Token from Spotify Accounts service	
Query Parameter		
country	ISO 3166-1 alpha-2 country code e.g. "GB"	
limit	Maximum number of results to return	
offset	Index of first result to return	

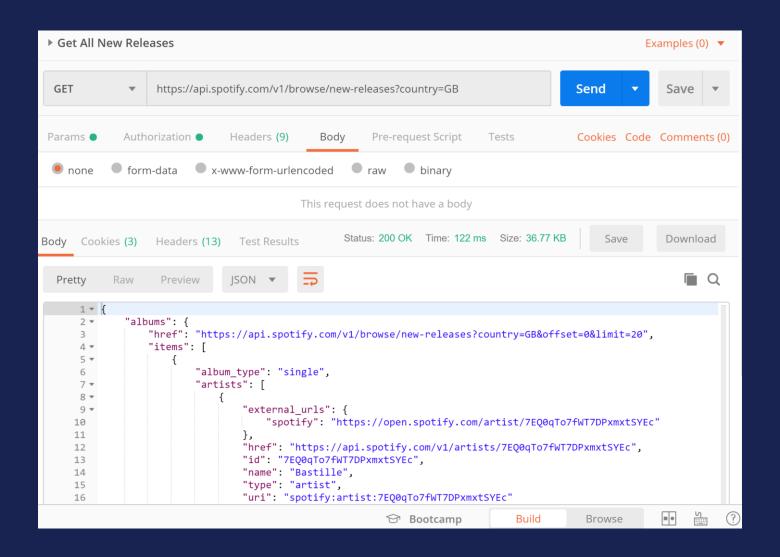
GET https://api.spotify.com/v1/browse/new-releases?country=GB

```
"albums" : {
"href": "https://api.spotify.com/v1/browse/new-releases?country=GB&offset=0&limit=20",
"items" : [ {
 "album_type": "single",
 "artists" : [ {
   "href": "https://api.spotify.com/v1/artists/2RdwBSPQiwcmiDo9kixcl8",
   "id": "2RdwBSPQiwcmiDo9kixcl8",
   "name": "Pharrell Williams",
   "type": "artist",
   "uri": "spotify:artist:2RdwBSPQiwcmiDo9kixcl8"
 "href": "https://api.spotify.com/v1/albums/5ZX4m5aVSmWQ5iHAPQpT71",
 "id": "5ZX4m5aVSmWQ5iHAPQpT71",
 "images" : [ {
   "height": 640,
   "url": "https://i.scdn.co/image/e6b635ebe3ef4ba22492f5698a7b5d417f78b88a",
   "width": 640
 "name": "Runnin'",
 "type": "album",
 "uri": "spotify:album:5ZX4m5aVSmWQ5iHAPQpT71"
 "album_type": "single",
```

```
"artists" : [ {
    "href": "https://api.spotify.com/v1/artists/3TVXtAsR1Inumwj472S9r4",
    "id": "3TVXtAsR1Inumwj472S9r4",
    "name": "Drake",
    "type": "artist",
    "uri": "spotify:artist:3TVXtAsR1Inumwj472S9r4"
  "href": "https://api.spotify.com/v1/albums/0geTzdk2InlgloB16fW9Nd",
  "id": "0geTzdk2InlgloB16fW9Nd",
   "images" : [ {
    "height": 640,
    "url": "https://i.scdn.co/image/d40e9c3d22bde2fbdb2ecc03cccd7a0e77f42e4c",
    "width" : 640
   "name": "Sneakin'",
   "type": "album",
  "uri": "spotify:album:0geTzdk2InlqIoB16fW9Nd"
  "limit": 20,
 "next": "https://api.spotify.com/v1/browse/new-releases?country=GB&offset=20&limit=20",
  "offset": 0,
  "previous": null,
  "total" : 500
```

Get All New Releases Spotify Web API





```
public class IndexModel : PageModel
   private readonly ILogger<IndexModel> _logger;
    0 references
   public IndexModel(ILogger<IndexModel> logger)
        _logger = logger;
    2 references
   public dynamic NewReleases { get; set; }
    0 references
   public async Task OnGetAsync()
        var token = "BQADjLEZUQR9NMCH6BdTMVrzHx565SQSxg66zHT3S2pmceIS-A5XxU5p1Zz
        using (var client = new HttpClient())
            client.DefaultRequestHeaders.Authorization =
            new AuthenticationHeaderValue("Bearer", token);
            var response = await client.GetAsync(new Uri(
                "https://api.spotify.com/v1/browse/new-releases?country=GB"
            ));
            NewReleases = await response.Content.ReadAsAsync<dynamic>();
```

Spotify Web API User Authorisation



User Authorisation ...

Follow

Get Following State for Artists/Users

Check if Users Follow a Playlist

Follow Artists or Users

Follow a Playlist

Get User's Followed Artists

Unfollow Artists or Users

Unfollow Playlist

Playlists

Add Tracks to a Playlist

Remove Tracks from a Playlist

Get a Playlist Cover Image

Upload Custom Playlist Cover Image

Get a List of Current User's Playlists

Change a Playlist's Details

Get a List of a User's Playlists

Replace a Playlist's Tracks

Create a Playlist

Reorder a Playlist's Tracks

Library

Check User's Saved Albums

Save Tracks for User

Remove Albums for Current User

Save Albums for Current User

Remove User's Saved Tracks

Get User's Saved Albums

Get User's Saved Tracks

Check User's Saved Tracks

Spotify Web API User Authorisation

... User Authorisation

Player

Skip User's Playback To Next Track

Seek to Position In Playing Track

Get a User's Available Devices

Toggle Shuffle For User's Playback

Transfer a User's Playback

Get User's Recently Played Tracks

Start/Resume a User's Playback

Player

Set Repeat Mode On User's Playback

Pause a User's Playback

Skip Playback To Previous Track

Get Information About Playback

Get User's Currently Playing Track

Set Volume For User's Playback

Personalisation

Get a User's Top Artists and Tracks

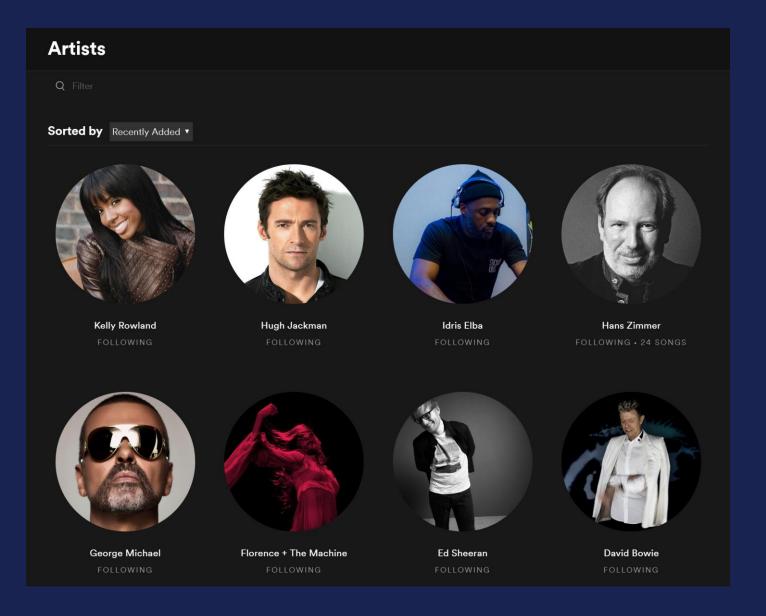
User Profile

Get a User's Profile

Get Current User's Profile

Get User's Followed Artists





Get User's Followed Artists

Request

Header & Scope		
Authorization	User Token from Spotify Accounts service	user-follow-read
Query Parameter		
type	ID type, currently only "artist" supported	
limit	Maximum number of items to return	

Last artist ID retrieved from previous request

after

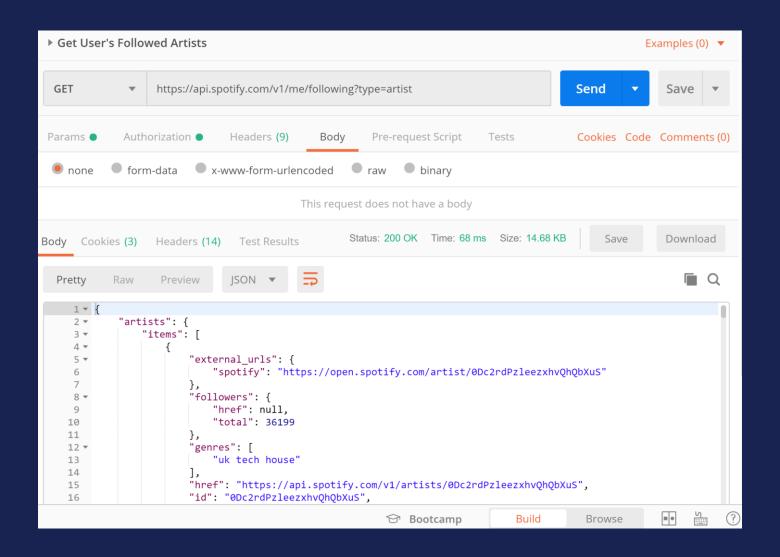
GET https://api.spotify.com/v1/me/following?type=artist

```
"artists":
 "items" : [ {
  "followers": {
   "href": null,
   "total": 7753
  "genres": [ "swedish hip hop"],
  "href": "https://api.spotify.com/v1/artists/0I2XqVXqHScXjHhk6AYYRe",
  "id": "0I2XqVXqHScXjHhk6AYYRe",
  "images" : [ {
   "height": 640,
   "url": "https://i.scdn.co/image/2c8c0cea05bf3d3c070b7498d8d0b957c4cdec20",
   "width": 640
  "name": "Afasi & Filthy",
  "popularity": 54,
  "type": "artist",
  "uri": "spotify:artist:0I2XqVXqHScXjHhk6AYYRe"
```

```
"artists" : [ {
    "href": "https://api.spotify.com/v1/artists/3TVXtAsR1Inumwj472S9r4",
    "id": "3TVXtAsR1Inumwj472S9r4",
    "name": "Drake",
    "type": "artist",
    "uri": "spotify:artist:3TVXtAsR1Inumwj472S9r4"
   "href": "https://api.spotify.com/v1/albums/0geTzdk2InlqIoB16fW9Nd",
   "id": "0geTzdk2InlgloB16fW9Nd",
   "images" : [ {
    "height": 640,
    "url": "https://i.scdn.co/image/d40e9c3d22bde2fbdb2ecc03cccd7a0e77f42e4c",
    "width" : 640
   "name": "Sneakin'",
   "type": "album",
   "uri": "spotify:album:0geTzdk2InlqIoB16fW9Nd"
 "limit": 20,
 "next": "https://api.spotify.com/v1/browse/new-releases?country=GB&offset=20&limit=20",
 "offset": 0,
 "previous": null,
 "total" : 500
```

Get User's Followed Artists Spotify Web API

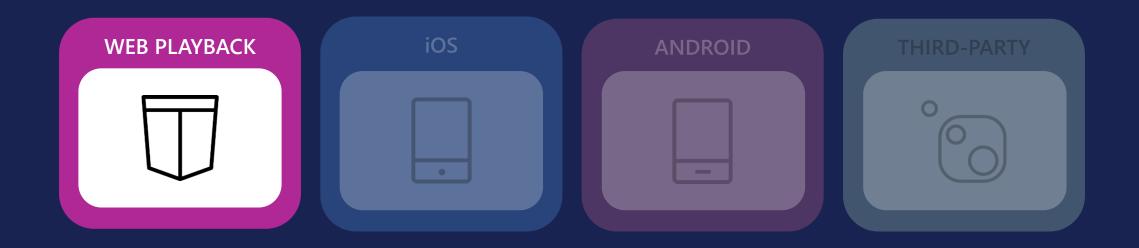


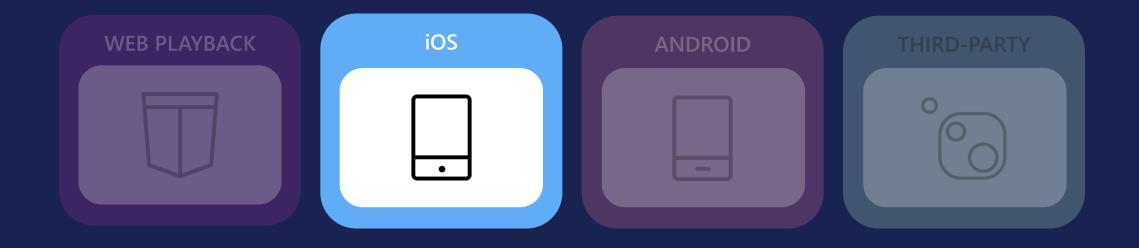


```
public class IndexModel : PageModel
   private readonly ILogger<IndexModel> _logger;
    0 references
   public IndexModel(ILogger<IndexModel> logger)
        _logger = logger;
    2 references
   public dynamic FollowedArtists { get; set; }
    0 references
   public async Task OnGetAsync()
        var token = "BQCL4xUhngJAvpeZWi07oas8DP3YcG3Y1ejk8Z_VNEcOvH5Z9tPCL_tK81P]
        using (var client = new HttpClient())
            client.DefaultRequestHeaders.Authorization =
            new AuthenticationHeaderValue("Bearer", token);
            var response = await client.GetAsync(new Uri(
                "https://api.spotify.com/v1/me/following?type=artist"
            ));
            FollowedArtists = await response.Content.ReadAsAsync<dynamic>();
```

Spotify SDKs











Spotify Web Playback SDK



Web Playback SDK

Spotify.Player #connect #disconnect #addListener #removeListener #getCurrentState #setName #getVolume #setVolume #pause #resume

Spotify.Player #togglePlay #seek #previousTrack #nextTrack

Events ready not_ready player_state_changed

Error Reference		
initialization_error		
authentication_error		
account_error		
playback_error		

Objects WebPlaybackPlayer WebPlaybackState WebPlaybackTrack WebPlaybackError

Spotify Web Playback SDK

```
<title>Spotify Web Playback SDK Quick Start Tutorial</title>
  <h1>Spotify Web Playback SDK Quick Start Tutorial
  <h2>Open your console log: <code>View > Developer > JavaScript Console</code></h2>
  <script src="https://sdk.scdn.co/spotify-player.js"></script>
    window.onSpotifyWebPlaybackSDKReady = () => {
     const token = '[My Spotify Web API access token]';
     const player = new Spotify.Player({
       name: 'Web Playback SDK Quick Start Player',
       getOAuthToken: cb => { cb(token); }
     player.addListener('initialization_error', ({ message }) => { console.error(messag
      player.addListener('authentication_error', ({ message }) => { console.error(messag
e); });
      player.addListener('account_error', ({ message }) => { console.error(message); });
      player.addListener('playback_error', ({ message }) => { console.error(message); });
      player.addListener('player_state_changed', state => { console.log(state); });
      player.addListener('ready', ({ device_id }) => {
       console.log('Ready with Device ID', device_id);
      player.addListener('not_ready', ({ device_id }) => {
       console.log('Device ID has gone offline', device_id);
```

Net Standard SDK



Spotify.NetStandard

NuGet	nuget.org/packages/Spotify.NetStandard
Package Manager	PM> Install-Package Spotify.NetStandard
.NET CLI	<pre>> dotnet add package Spotify.NetStandard</pre>

	GitHub	github.com/RoguePlanetoid/Spotify-NetStandard
Git		<pre>\$ git clone https://github.com/RoguePlanetoid/Spotify-NetStandard.git</pre>

ISpotifyClient ...

ISpotifyClient			
Auth Add Tracks To Playlist Async	AuthLookupFollowedArtistsAsync	AuthLookupUserSavedAlbumsAsync	
AuthAsync	AuthLookupFollowingStateAsync	AuthLookupUserSavedTracksAsync	
Auth Change Playlist Details Async	AuthLookupUserFollowingPlaylistAsync	AuthLookupUserTopArtistsAsync	
AuthCreatePlaylistAsync	AuthLookupUserPlaybackCurrentAsync	AuthRemoveTracksFromPlaylistAsync	
AuthFollowAsync	Auth Look up User Play back Current Track Async	AuthRemoveUserAlbumsAsync	
AuthFollowPlaylistAsync	AuthLookupUserPlaybackDevicesAsync	AuthRemoveUserTracksAsync	
AuthGetPlaylistCoverImageAsync	AuthLookupUserPlaylistsAsync	AuthReorder Playlist Tracks Async	
AuthLookupCheckUserSavedAlbumsAsync	AuthLookupUserProfileAsync	AuthReplacePlaylistTracksAsync	
AuthLookupCheckUserSavedTracksAsync	Auth Look up User Recently Played Tracks Async	AuthSaveUserAlbumsAsync	

... ISpotifyClient

ISpotifyClient			
AuthSaveUserTracksAsync	AuthUserPlaybackPauseAsync	LookupAllCategoriesAsync	
AuthUnfollowAsync	Auth User Play back Previous Track Async	LookupArtistAlbumsAsync	
AuthUnfollowPlaylistAsync	AuthUserPlaybackSeekTrackAsync	LookupArtistRelatedArtistsAsync	
Auth Upload Custom Playlist Image Async	Auth User Play back Set Repeat Mode Async	LookupArtistTopTracksAsync	
AuthUser	AuthUserPlaybackSetVolumeAsync	LookupAsync	
AuthUserAsync	AuthUserPlaybackStartResumeAsync	LookupCategoryAsync	
AuthUserImplicit	Auth User Play back Toggle Shuffle Async	LookupFeaturedPlaylistsAsync	
AuthUserPlaybackNextTrackAsync	AuthUserPlaybackTransferAsync	LookupNewReleasesAsync	

ISpotifyApi ...

ISpotifyApi			
GetAuthorisationCodeAuthUri	GetCategoryPlaylistsAsync	FollowPlaylistAsync	
GetAuthorisationCodeAuthTokenAsync	GetRecommendationsAsync	GetUsersFollowedArtistsAsync	
GetClientCredentialsAuthTokenAsync	GetRecommendationGenresAsync	Unfollow Artists Or Users Async	
GetImplicitGrantAuthUri	GetAllNewReleasesAsync	UnfollowPlaylistAsync	
GetImplicitGrantAuthToken	GetAllFeaturedPlaylistsAsync	AddTracksToPlaylistAsync	
SearchForItemAsync	GetFollowingStateForArtistsOrUsersAsync	GetPlaylistAsync	
GetAllCategoriesAsync	CheckUsersFollowingPlaylistAsync	Remove Tracks From Playlist Async	
GetCategoryAsync	FollowArtistsOrUsersAsync	GetPlaylistTracksAsync	

... ISpotifyApi ...

ISpotifyApi			
GetPlaylistCoverImageAsync	CheckUserSavedAlbumsAsync	GetMultipleArtistsAsync	
Upload Custom Playlist Cover Image Async	SaveUserTracksAsync	GetArtistAsync	
GetUserPlaylistsAsync	RemoveUserAlbumsAsync	GetArtistAlbumsAsync	
Change Playlist Details Async	SaveUserAlbumsAsync	GetArtistTopTracksAsync	
GetUserPlaylistsAsync	RemoveUserTracksAsync	GetArtistRelatedArtistsAsync	
ReplacePlaylistTracksAsync	GetUserSavedAlbumsAsync	UserPlaybackNextTrackAsync	
CreatePlaylistAsync	GetUserSavedTracksAsync	UserPlaybackSeekTrackAsync	
Reorder Playlist Tracks Async	CheckUserSavedTracksAsync	GetUserPlaybackDevicesAsync	

.NET Standard SDK

... ISpotifyApi

ISpotify A pi				
UserPlaybackToggleShuffleAsync	GetUserPlaybackCurrentAsync	GetAlbumAsync		
UserPlaybackTransferAsync	GetUserPlaybackCurrentTrackAsync	GetAlbumTracksAsync		
Get User Recently Played Tracks Async	UserPlaybackSetVolumeAsync	GetTrackAudioFeaturesAsync		
UserPlaybackStartResumeAsync	GetUserTopArtistsAsync	GetTrackAsync		
User Playback Set Repeat Mode Async	GetUserTopTracksAsync	GetTrackAudioAnalysisAsync		
UserPlaybackPauseAsync	GetUserProfileAsync	GetSeveralTracksAudioFeaturesAsync		
UserPlaybackPreviousTrackAsync	GetMultipleAlbumsAsync	GetSeveralTracksAsync		

.NET Standard SDK

Universal Windows Platform SDK



Spotify.Uwp

NuGet	nuget.org/packages/Spotify.Uwp
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Package Manager PM> Install-Package Spotify.Uwp

.NET CLI > dotnet add package Spotify.Uwp

GitHub	github.com/RoguePlanetoid/Spotify-Uwp
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Git \$ git clone https://github.com/RoguePlanetoid/Spotify-Uwp.git

Example

using Spotify.Uwp; using Spotify.Uwp.ViewModels;

var client = SpotifySdkClientFactory.CreateSpotifySdkClient("client-id", "client-secret"); GridView.ItemSource = new ListAlbumViewModel(SpotifySdk.Instance.SpotifySdkClient, AlbumType.NewReleases);

Universal Windows Platform SDK

ISpotifySdkClient

ISpotifySdkClient

GetCategoryAsync

GetArtistAsync

GetAlbumAsync

GetPlaylistAsync

GetTrackAsync

GetAudioAnalysisAsync

GetUserAsync

GetCurrentUserAsync

ISpotifySdkClient

ListCategoriesAsync

ListArtistsAsync

ListAlbumsAsync

ListPlaylistsAsync

ListRecommendationGenresAsync

ListTracksAsync

ListAudioFeatureAsync

ListAudioFeaturesAsync

List View Models

ListAlbumViewModel

ListArtistViewModel

ListAudioFeatureViewModel

ListCategoryViewModel

ListFavouriteViewModel

ListPlaylistViewModel

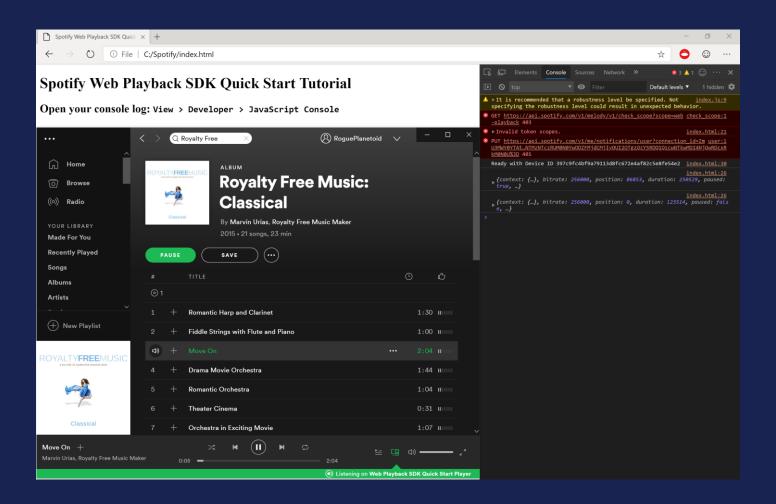
ListRecommendationViewModel

ListTrackViewModel

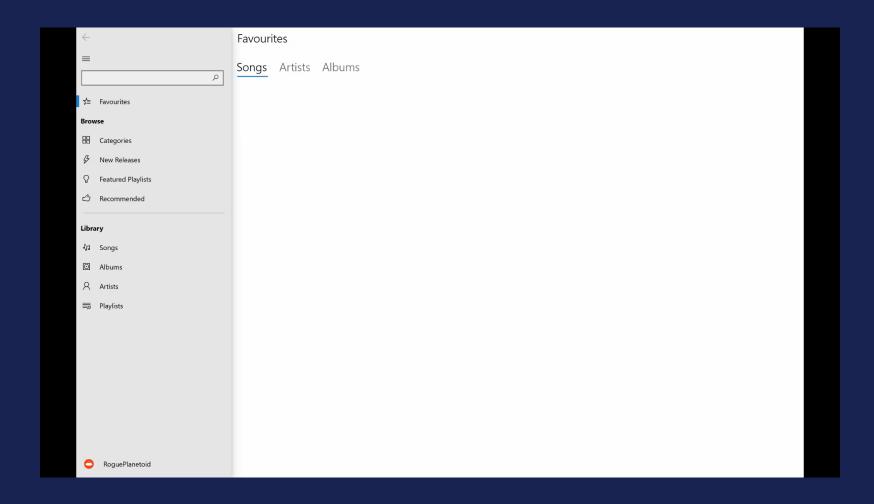
Universal Windows Platform SDK

Web Playback & .NET Standard SDKs Spotify Showcase





```
private readonly ISpotifyClient client = SpotifyClientFactory.CreateSpotifyClient(
    "6a53fb50cb7949709041bdc74c75c044", "b9e7de1be14946e0ad080c0c417266aa");
private readonly Uri redirect_url = new Uri("http://example.com/callback");
private const string state = "DDD";
5 references
public enum Option
    NewReleases,
    FollowedArtists
0 references | 0 exceptions
public MainPage()
    this.InitializeComponent();
private void Display_Loaded(object sender, RoutedEventArgs e) =>
    WebView.Navigate(client.AuthUser(redirect_url, state,
    new Requests.Scope { FollowRead = true, LibraryRead = true }));
1 reference | 0 exceptions
private async void WebView_NavigationCompleted(WebView sender,
    WebViewNavigationCompletedEventArgs e)
    if (e.Uri.Host == redirect_url.Host)
        WebView.Visibility = Visibility.Collapsed;
        if (await client.AuthUserAsync(e.Uri, redirect_url, state) != null)
            Options.ItemsSource = Enum.GetValues(typeof(Option)).Cast<Option>();
1 reference | 0 exceptions
private async void Options_SelectionChanged(object sender, SelectionChangedEventArgs e)
    var option = (Option)Options.SelectedItem;
    var cursor = new Requests.Cursor() { Limit = 10 };
    var page = new Requests.Page() { Limit = 10 };
    switch (option)
            Display.ItemsSource = (await client.LookupNewReleasesAsync(page: page)).Albums.Items;
            break;
        case Option.FollowedArtists:
            Display.ItemsSource = (await client.AuthLookupFollowedArtistsAsync(cursor: cursor)).Items;
```

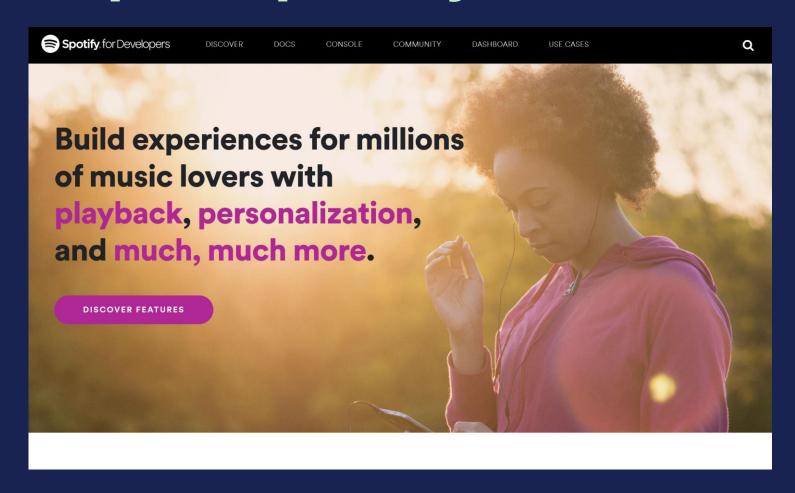


Summary



Spotify for Developers

developer.spotify.com



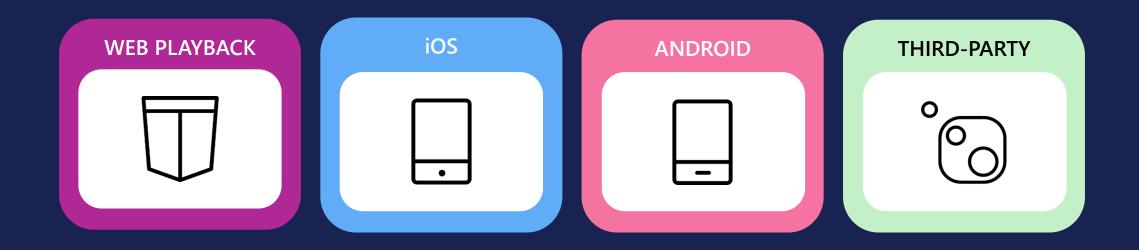
Authorisation



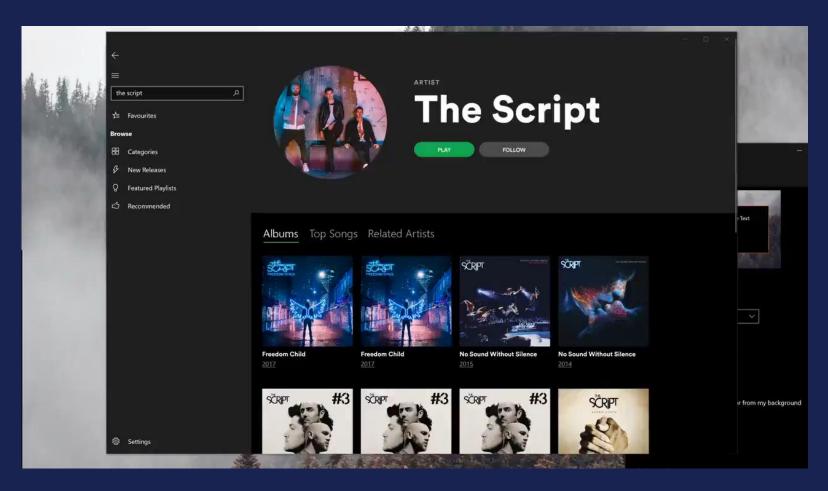
Spotify Web API



Spotify SDKs



Experiences



Developer Developer UK Community Events

Spotify for Developers

Peter Bull

@rogueplanetoid comentsys.wordpress.com github.com/rogueplanetoid developer.spotify.com



Questions?