

Developer!

DeveloperDeveloper ■

UK Community Events

12th December, 2020

DDD 2020! Welcome



Be aware of others



Be friendly and patient



Be welcoming and respectful



Be open to all questions and viewpoints



Be understanding of differences



Be kind and considerate to others



For our full Code of Conduct or to report an issue, go to:
<https://bit.ly/DDDCofC>

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NDC { London }



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#DDDD2020 @developerday



Enjoy your day!



Spotify for Developers

Peter Bull @RoguePlanetoid
github.com/rogueplanetoid
tutorialr.com

Developer Day 2020 #DDD2020



developer.spotify.com

Developer Day 2020 #DDD2020



Discover

Spotify's Features	
Audio Features & Analysis	Explore audio features and in-depth audio analysis of tracks
Playback	Bring music from Spotify to your application
Recommendations	Customise and serve Spotify's recommendations to your users
Search	Find any track, artist, album or playlist on Spotify
Playlists	Manage Spotify users' playlists directly from your application
Metadata	Access information about any track, artist or album
Curated Content	Get market-specific featured playlists and new releases from Spotify
User Taste	Read more about the user's listening tastes on Spotify

developer.spotify.com



Docs & Console

REFERENCE

Reference Index

Search API

Browse API

Follow API

Playlists API

Library API

Artists API

Player API

Personalization API

User Profile API

Albums API

Tracks API

Episodes API

Shows API

Objects Index

Get an Album

Get Spotify catalog information for a single album.

Request

HEADER	TYPE	REQUIRED
Authorization A valid user access token or your client credentials.	String	Required

PATH PARAMETER

TYPE	REQUIRED
{id} The Spotify ID of the album.	Required

QUERY PARAMETER

TYPE	REQUIRED
market The market you'd like to request. Synonym for <code>country</code> .	<i>Optional</i>

Response

On success, the HTTP status code in the response header is 200 OK and the response body contains an album object in JSON format. On error, the header status code is an error code and the response body contains an error object.

TRY IN OUR WEB CONSOLE

Get an Album's Tracks

Get Spotify catalog information about an album's tracks. Optional parameters can be used to limit the number of tracks returned.

GET https://api.spotify.com/v1/albums/{id}

```
// json response
{
  "album_type": "album",
  "artists": [ {
    "external_urls": {
      "spotify": "https://open.spotify.com/artist/2BTZiQwMth9Hw1lQ3ewWY"
    },
    "href": "https://api.spotify.com/v1/artists/2BTZiQwMth9Hw1lQ3ewWY",
    "id": "2BTZiQwMth9Hw1lQ3ewWY",
    "name": "Cyndi Lauper",
    "type": "artist",
    "uri": "spotify:artist:2BTZiQwMth9Hw1lQ3ewWY"
  } ],
  "available_markets": [ "AD", "AE", "AT", "AU", "BE", "BG", "BO", "BR",
    "CA", "CH", "CZ", "DE", "DK", "EE", "ES", "FI", "FR", "GB", "GR", "GT", "HK", "HU",
    "ID", "IE", "IL", "IN", "IT", "JP", "KR", "KW", "LB", "LI", "LT", "LU", "LV", "MA",
    "MC", "MT", "MX", "MY", "NI", "NL", "NO", "NZ", "OM", "PA", "PE", "PG", "PH", "PK",
    "PL", "PT", "PY", "QA", "RO", "SE", "SG", "SI", "SK", "SM", "SN", "SV", "TH", "TN",
    "TR", "TW", "UA", "US", "UY", "VE", "VN", "VG", "VI", "WF", "WS", "YE", "ZA" ],
  "copyrights": [ {
    "text": "(P) 2000 Sony Music Entertainment Inc.",
    "type": "P"
  } ]
}
```

GET https://api.spotify.com/v1/albums/{id}/tracks

Spotify for Developers

DISCOVER

DOCS

CONSOLE

COMMUNITY

DASHBOARD

USE CASES

CONSOLE

Albums

Artists

Browse

Episodes

Follow

Library

Personalization

Player

Playlists

Search

Tracks

Shows

Users Profile

Get an Album

Get an Album

Description

Get an Album

DOCS

Endpoint

https://api.spotify.com/v1/albums/{id}

HTTP Method

GET

OAuth

Required

id *

4aawyAB9vmqN3uQ7FjRGTy

market

GB

OAuth Token

BQB8Gw8k2DkO8qO1U_XS4dDzp_sK...

GET TOKEN

TRY IT

FILL SAMPLE DATA

curl -X "GET" "https://api.spotify.com/v1/albums/4aawyAB9vmqN3uQ7FjRGTy?market=GB" -H "Accept: application/json" -H "Content-type: application/json" -H "Authorization: Bearer BQB8Gw8k2DkO8qO1U_XS4dDzp_sK13p188yW-KfBuc7XSO_JYqTz_v_Ay8yThq13D008pZ_3n0wM5Y-j1210Qw638cjdj6t8K000-7oL3692zh1fp98wafTdvAQcYwQvWHpWq7q7858HwHedq5x1vnD9fbo115x17qplaWwJ200PMK-UVBdctkzyvVF8zNsIX534"

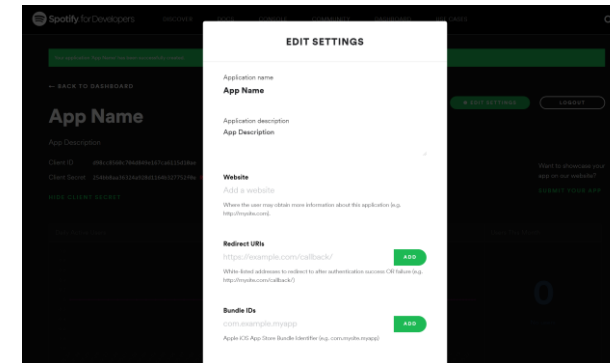
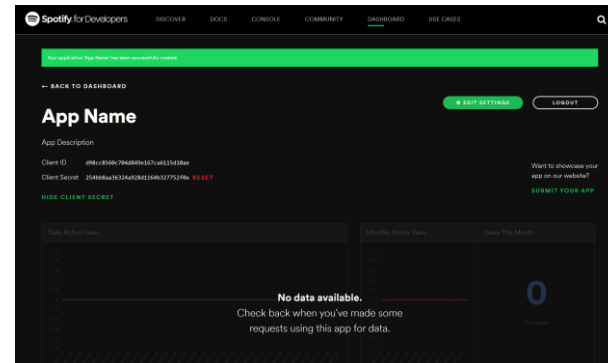
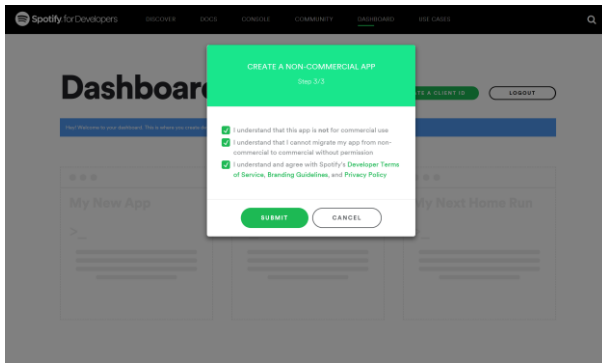
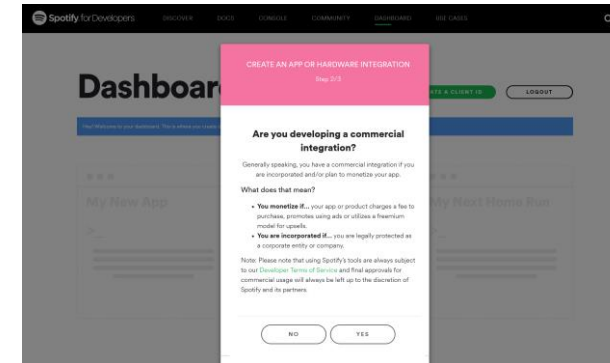
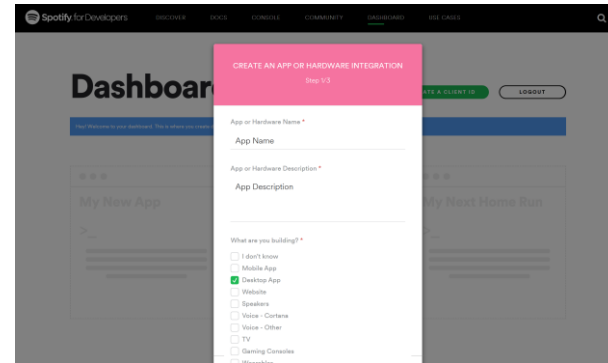
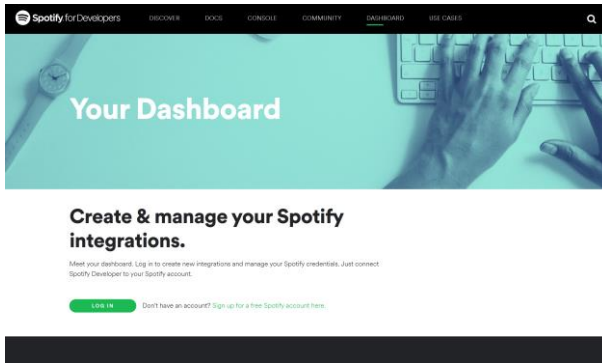
developer.spotify.com

The Spotify logo, consisting of three curved lines forming a circle, followed by the text "Spotify for Developers" in a bold, sans-serif font.

Use Cases



Dashboard



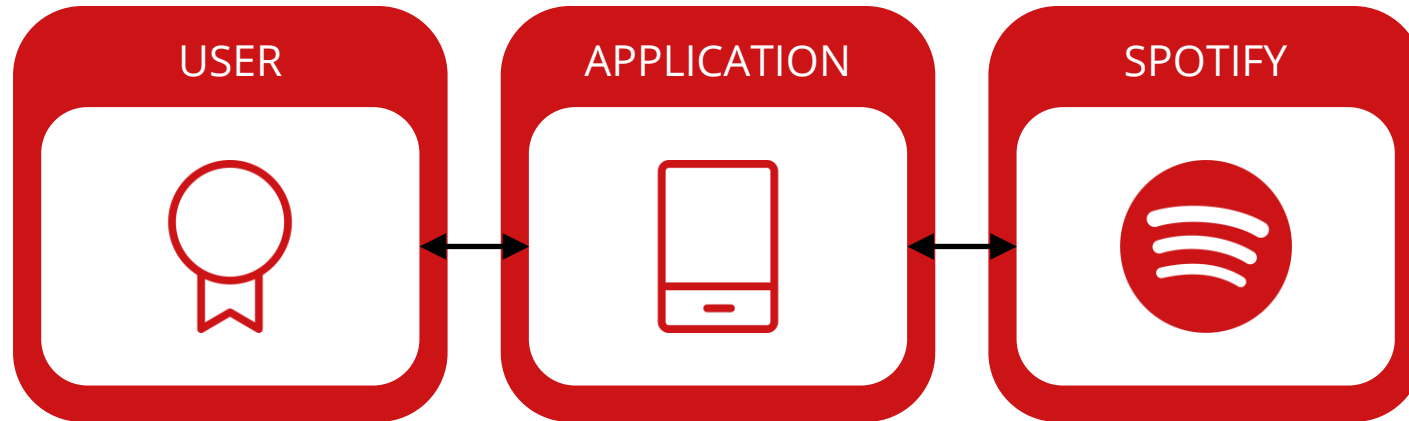
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Authorisation

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Overview



Authorisation

Scopes

Images
ugc-image-upload

Spotify Connect
user-read-playback-state
user-modify-playback-state
user-read-currently-playing

Playback
app-remote-control
streaming

Users
user-read-email
user-read-birthdate
user-read-private

Playlists
playlist-read-private
playlist-modify-public
playlist-modify-private
playlist-read-collaborative


Library
user-library-modify
user-library-read

Listening History
user-read-recently-played
user-top-read


Follow
user-follow-read
user-follow-modify


Authorisation

Authorise



To continue, log in to Spotify.

 CONTINUE WITH FACEBOOK

 CONTINUE WITH APPLE

OR

Email address or username

Email address or username

Password

Password

[Forgot your password?](#)


☒ Remember me

LOG IN

Don't have an account?

SIGN UP FOR SPOTIFY

If you click "Log in with Facebook" and are not a Spotify user, you will be registered and you agree to Spotify's [Terms & Conditions](#) and [Privacy Policy](#).



The App

You agree that The App will be able to:

View your Spotify account data

[Learn more](#)

▼

View your activity on Spotify

[Learn more](#)

▼

Take actions in Spotify on your behalf

[Learn more](#)

▼

You can remove this access at any time at [spotify.com/account](#).

For more information about how Spotify for Developers can use your personal data, please see Spotify for Developers's [privacy policy](#).

Logged in as The User.
(Not you?)

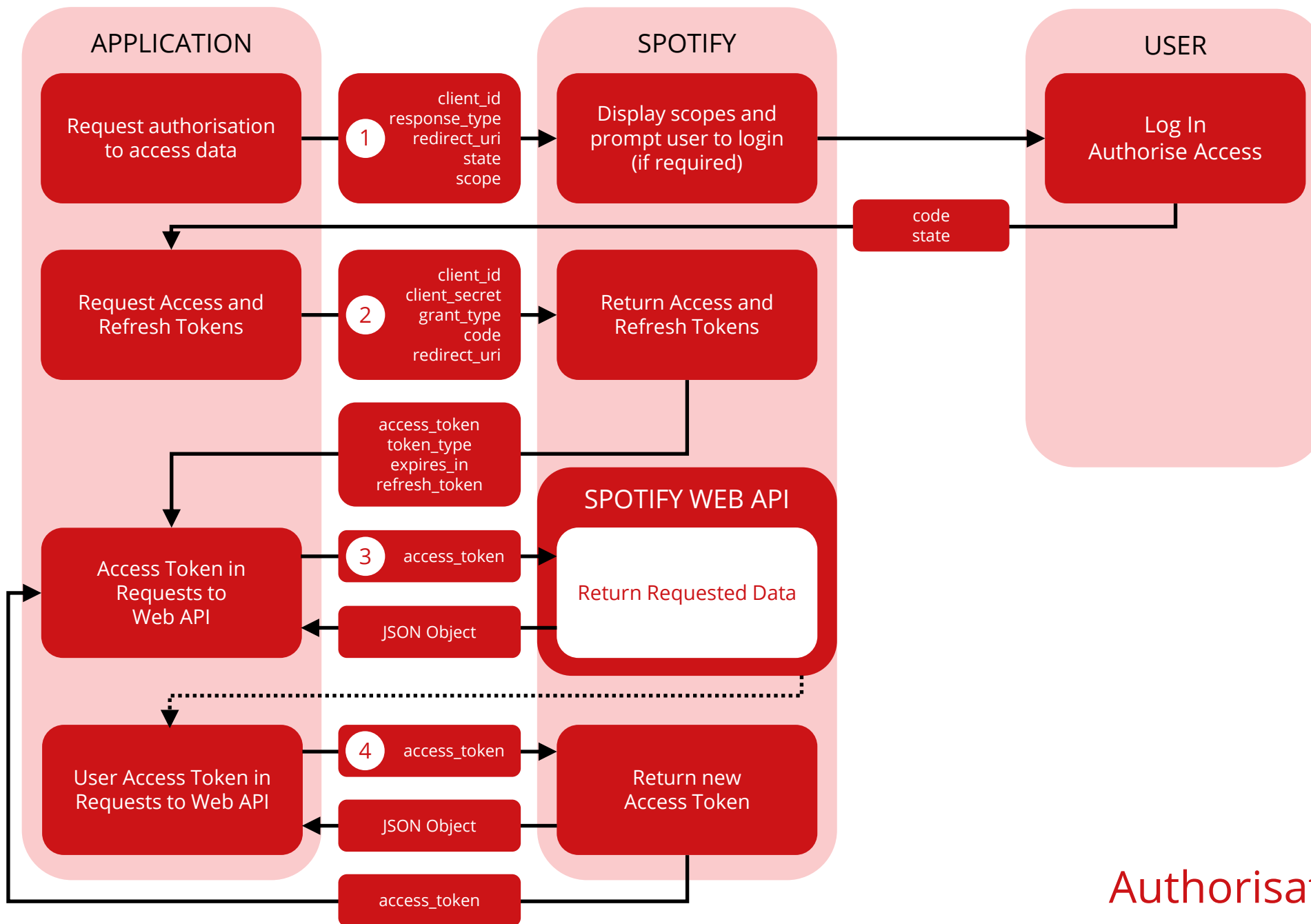
AGREE

CANCEL

Authorisation

Authorisation Code Flow

Authorisation



Authorisation Code Flow

Access Code Request

GET <https://accounts.spotify.com/authorize>

Query String Parameters

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%3A%2F%2Fexample.com%2Fcallback&scope=user-read-private%20user-read-email&state=DDD`

Authorisation Code Flow

Access Code Response

User Accepts Request

code	Authorisation code that can be exchanged for Token
state	Value of the state parameter supplied in the request

Example

`https://example.com/callback?code=NApCCg..BkWtQ&state=DDD`

User Denies Request or Error Occurred

error	Reason authorisation failed, for example: "access_denied"
state	Value of the state parameter supplied in the request

Example

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

Authorisation Code Request

POST https://accounts.spotify.com/api/token	
Header	
Authorization	Base 64 encoded string containing Client Id and Client Secret
Body Parameters	
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

Example	
Header	URL Encoded Form Parameters
Authorization: Basic *<base64 encoded client_id:client_secret>*	... Content-Type: application/x-www-form-urlencoded ... grant_type=authorization_code&code=NApCCg..BkwtQ&redirect_uri=https://example.com/callback

Authorisation Code Flow

Authorisation Code Response

Result	
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

Example	
<pre>{ "access_token": "NgCXRK...MzYjw", "token_type": "Bearer", "scope": "user-read-private user-read-email", "expires_in": 3600, "refresh_token": "NgAagA...Um_SHo" }</pre>	

Refresh Token Request

POST https://accounts.spotify.com/api/token	
Header	
Authorization	Base 64 encoded string containing Client Id and Client Secret
Body Parameters	
grant_type	Set to "refresh_token"
refresh_token	Refresh Token returned from the Authorisation Code Response

Example	
Header	URL Encoded Form Parameters
Authorization: Basic *<base64 encoded client_id:client_secret>*	... Content-Type: application/x-www-form-urlencoded ... grant_type=refresh_token&refresh_token=NgAagA...Um_S Ho

Authorisation Code Flow

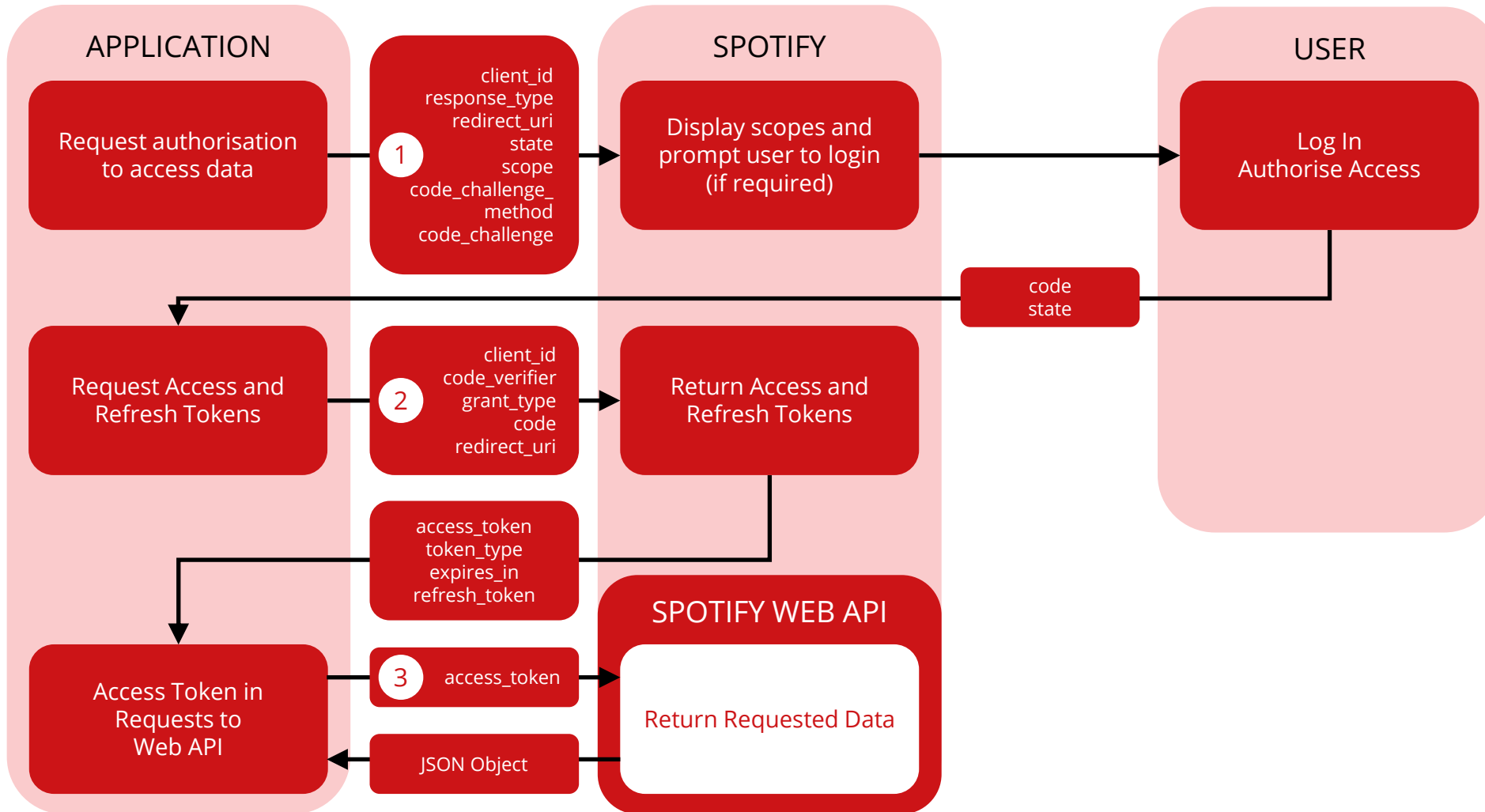
Refresh Token Response

Result	
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.

Example	
<pre>{ "access_token": "NgA6ZcYI...ixn8bUQ", "token_type": "Bearer", "scope": "user-read-private user-read-email", "expires_in": 3600 }</pre>	

Authorisation Code with PKCE Flow

Authorisation



Authorisation Code with PKCE Flow

Code Challenge Request

GET <https://accounts.spotify.com/authorize>

Query String Parameters

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
code_challenge_method	Set to "S256"
code_challenge	base64url encoded SHA256 hash of code verifier which is a cryptographically random string 43-128 characters and can only contain letters, digits, underscores, full stops, hyphens or tildes
state	Strongly recommended as state can be useful for correlating requests and responses
scope	A space-separated list of scopes

Example

```
https://accounts.spotify.com/authorize?client_id=5fe01282e44241328a84e7c5cc169165&response_type=code&redirect_uri=https%3A%2F%2Fexample.com%2Fcallback&code_challenge_method=S256&code_challenge=KADwy...tQZHW
```

Authorisation Code with PKCE Flow



Code Challenge Response

User Accepts Request

code	Authorisation code that can be exchanged for Token
state	Value of the state parameter supplied in the request

Example

`https://example.com/callback?code=NApCCg..BkWtQ&state=DDD`

User Denies Request or Error Occurred

error	Reason authorisation failed, for example: "access_denied"
state	Value of the state parameter supplied in the request

Example

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

Authorisation Code with PKCE Flow

Code Verifier Request

POST https://accounts.spotify.com/api/token

Body Parameters

client_id	Client Id provided to you by Spotify when you registered your application
grant_type	Set to "authorization_code"
code	Authorisation Code returned from Code Challenge 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
code_verifier	This value must match the code verifier which is a cryptographically random string 43-128 characters and can only contain letters, digits, underscores, full stops, hyphens or tildes

Example

URL Encoded Form Parameters

```
...
Content-Type: application/x-www-form-urlencoded
...
client_id=5fe01282e44241328a84e7c5cc169165&grant_type=authorization_code&code=NApCCg..BkWtQ&redirect_uri=ht
tps://example.com/callback&code_verifier=fb1...3tw
```

Authorisation Code with PKCE Flow



Code Verifier Response

Result	
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

Example	
<pre>{ "access_token": "NgCXRK...MzYjw", "token_type": "Bearer", "scope": "user-read-private user-read-email", "expires_in": 3600, "refresh_token": "NgAagA...Um_SHo" }</pre>	

Authorisation Code with PKCE Flow

Refresh Token Request

POST https://accounts.spotify.com/api/token

Body Parameters

client_id	Client Id provided to you by Spotify when you registered your application
grant_type	Set to "refresh_token"
refresh_token	Refresh Token returned from the Code Verifier Response

Example

URL Encoded Form Parameters

```
...
Content-Type: application/x-www-form-urlencoded
...
client_id=5fe01282e44241328a84e7c5cc169165&grant_type=refresh_token&refresh_token=NgAagA...Um_SHo
```

Authorisation Code with PKCE Flow

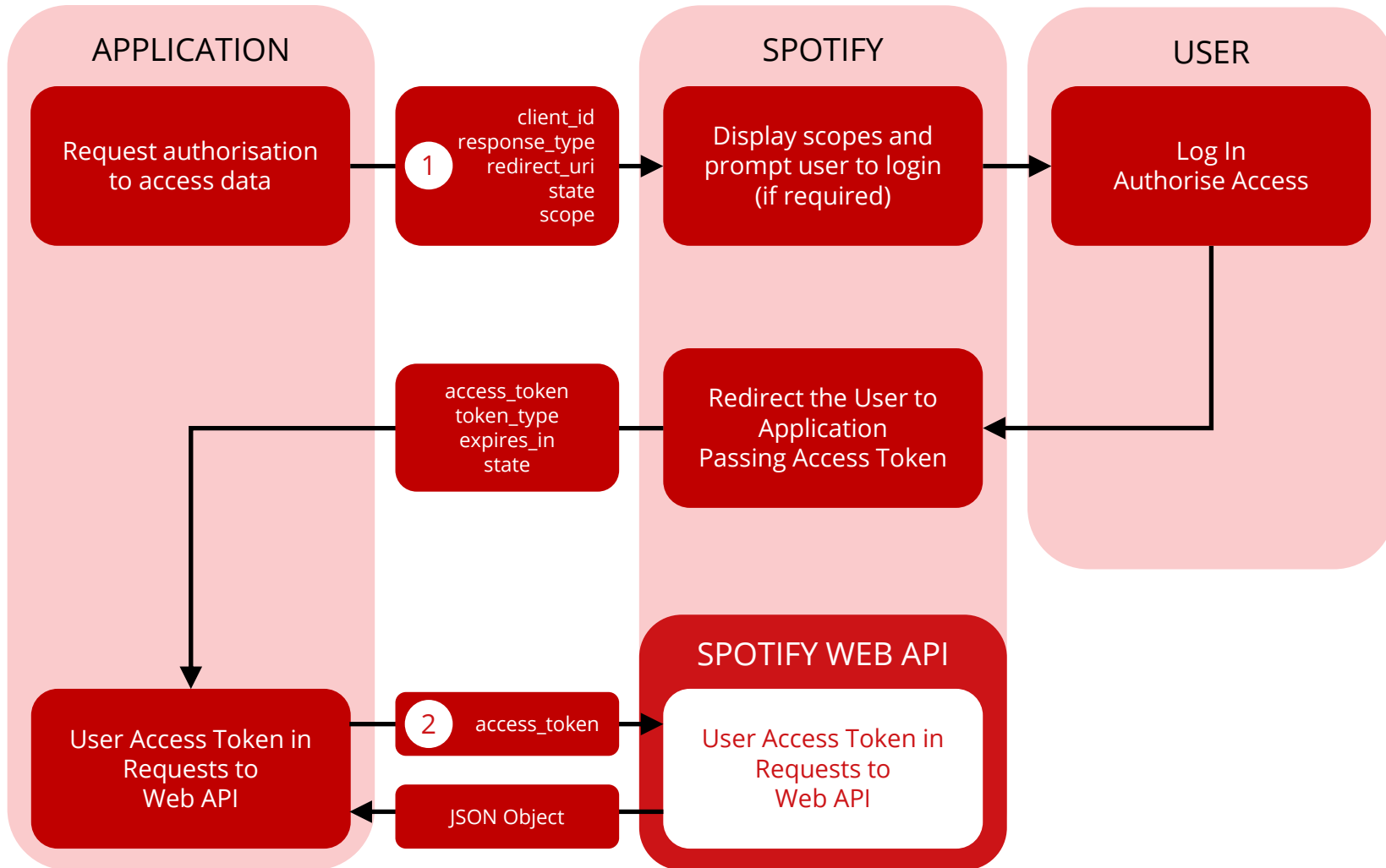
Refresh Token Response

Result	
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.

Example	
<pre>{ "access_token": "NgA6ZcYI...ixn8bUQ", "token_type": "Bearer", "scope": "user-read-private user-read-email", "expires_in": 3600 }</pre>	

Implicit Grant Flow

Authorisation



Implicit Grant Flow

Implicit Grant Request

GET <https://accounts.spotify.com/authorize>

Query String Parameters

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 Accepts Request

access_token	Token that can be provided in subsequent calls
token_type	Set to "Bearer"
expires_in	The time period (in seconds) for which the access token is valid
state	Value of the state parameter supplied in the request

Example

`https://example.com/callback#access_token=Aafe...31Te&token_type=Bearer&expires_in=3600&state=DDD`

User Denies Request or Error Occurred

error	Reason authorisation failed, for example: "access_denied"
state	Value of the state parameter supplied in the request

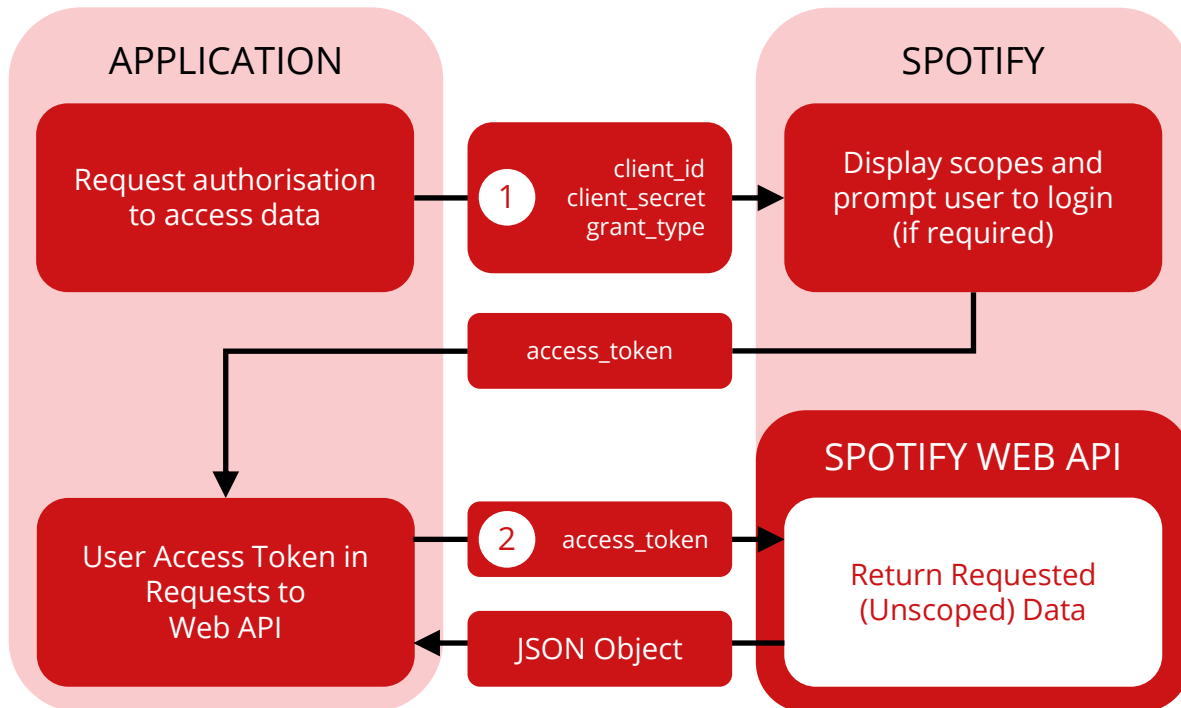
Example

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

Implicit Grant Flow

Client Credentials Flow

Authorisation



Client Credentials Flow

Client Credentials Request

POST https://accounts.spotify.com/api/token	
Header	
Authorization	Base 64 encoded string containing Client Id and Client Secret
Body Parameters	
grant_type	Set to "client_credentials"

Example	
Header	URL Encoded Form Parameters
Authorization: Basic *<base64 encoded client_id:client_secret>*	... Content-Type: application/x-www-form-urlencoded ... grant_type=client_credentials

Client Credentials Response

Result	
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.

Example	
<pre>{ "access_token": "NgCXRKc...MzYjw", "token_type": "bearer", "expires_in": 3600 }</pre>	

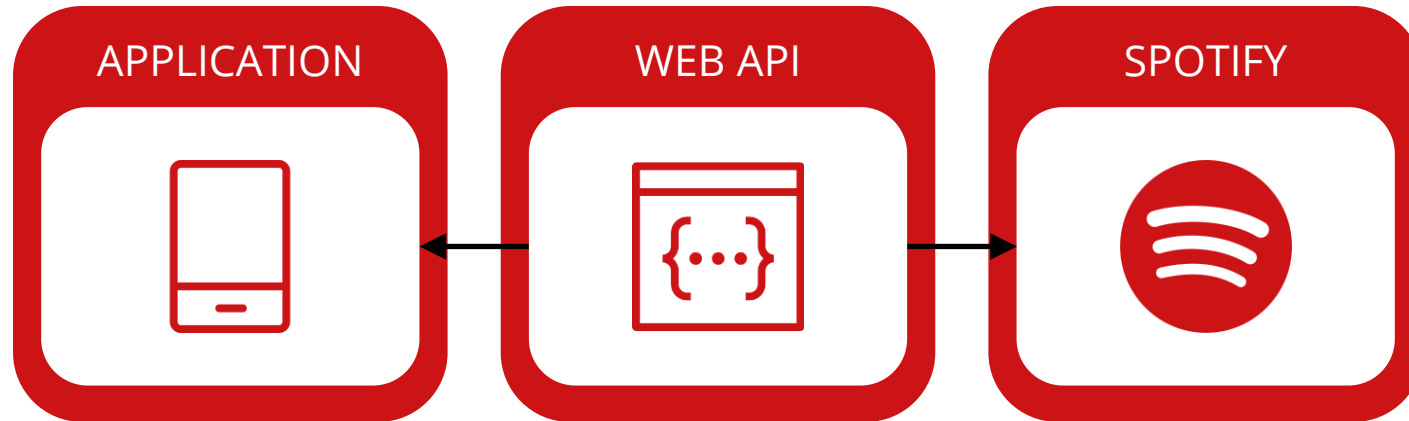
Authorisation Code with PKCE Flow

Spotify Web API

Developer Day 2020 #DDD2020



Overview



Requests

Spotify Web API

Albums API	
Get Multiple Albums	Get multiple Albums identified by their Spotify IDs
Get an Album	Get information for an Album
Get an Album's Tracks	Get information about an Album's Tracks
Artists API	
Get Multiple Artists	Get several Artists based on their Spotify IDs
Get an Artist	Get information for an Artist
Get an Artist's Top Tracks	Get an Artist's top Tracks by country
Get an Artist's Related Artists	Get Artists similar to a given Artist based on analysis of the Spotify community's listening history
Get an Artist's Albums	Get information about an Artist's Albums
Browse API	
Get All New Releases	Get a list of new Album releases featured in Spotify shown in Spotify player's 'Browse' tab
Get All Featured Playlists	Get a list of Spotify featured Playlists shown in Spotify player's 'Browse' tab
Get All Categories	Get a list of Categories used to tag items in Spotify shown in Spotify player's 'Browse' tab
Get a Category	Get a single Category used to tag items in Spotify shown in Spotify player's 'Browse' tab
Get a Category's Playlists	Get a list of Spotify Playlists tagged with a particular Category
Get Recommendations	Get Recommendations for a given seed entity and matched against similar artists and track
Get Recommendation Genres	Retrieve a list of available Genres seed parameter values for Recommendations
Episode API	
Get Multiple Episodes	Get several Episodes based on their Spotify IDs
Get an Episode	Get an Episode identified by its unique Spotify ID

Requests

Follow API	
Follow a Playlist	Add the Current User as a Follower of a Playlist
Unfollow Playlist	Remove the Current User as a Follower of a Playlist
Check if Users Follow a Playlist	Check to see if one or more Spotify Users are Following a specified Playlist
Get User's Followed Artists	Get the Current User's Followed Artists
Follow Artists or Users	Add the Current User as a Follower of one or more Artists or other Spotify Users
Unfollow Artists or Users	Remove the Current User as a Follower of one or more Artists or other Spotify Users
Get Following State for Artists/Users	Check to see if the Current User is following one or more Artists or other Spotify Users

Library API	
Get User's Saved Albums	Get a list of the Albums Saved in the Current User's 'Your Music' Library
Save Albums for Current User	Save one or more Albums to the Current User's 'Your Music' Library
Remove Albums for Current User	Remove one or more Albums from the Current User's 'Your Music' Library
Check User's Saved Albums	Check if one or more Albums is already Saved in the Current User's 'Your Music' Library
Get User's Saved Tracks	Get a list of the Tracks saved in the Current User's 'Your Music' Library
Save Tracks for User	Save one or more Tracks to the Current User's 'Your Music' Library
Remove User's Saved Tracks	Remove one or more Tracks from the Current User's 'Your Music' Library
Check User's Saved Tracks	Check if one or more Tracks is already Saved in the Current User's 'Your Music' Library
Get User's Saved Shows	Get a list of Shows Saved in the Current User's Library
Save Shows for Current User	Save one or more Shows to Current User's Library
Remove User's Saved Shows	Delete one or more Shows from Current User's Library
Check User's Saved Shows	Check if one or more Shows is already Saved in the Current User's Library

Requests

Personalisation API	
Get User's Top Artists / Tracks	Get the current user's top artists or tracks based on calculated affinity
Player API	
Get Information About the User's Current Playback	Get information about the User's current Playback state, including Track or Episode, Progress, and active Device
Transfer a User's Playback	Transfer Playback to a new Device and determine if it should start Playing
Get a User's Available Devices	Get information about a User's available Devices
Get the User's Currently Playing Track	Get the Object currently being played on the User's Spotify account
Start/Resume a User's Playback	Start a new Context or Resume current playback on the User's active Device
Pause a User's Playback	Pause Playback on the User's account
Skip User's Playback To Next Track	Skips to next Track in the User's Queue
Skip User's Playback To Previous Track	Skips to previous Track in the User's Queue
Seek To Position In Currently Playing Track	Seeks to the given Position in the User's currently Playing Track
Set Repeat Mode On User's Playback	Set the Repeat Mode for the User's Playback
Set Volume For User's Playback	Set the Volume for the User's current Playback Device
Toggle Shuffle For User's Playback	Toggle Shuffle On or Off for User's Playback
Get Current User's Recently Played Tracks	Get tracks from the Current User's recently Played Tracks
Add an Item to Queue	Add an item to the end of the User's current Playback Queue

Requests

Playlists API	
Get a List of Current User's Playlists	Get a list of the Playlists Owned or Followed by the current Spotify User
Get a List of a User's Playlists	Get a list of the Playlists Owned or Followed by a Spotify User
Create a Playlist	Create a Playlist for a Spotify User
Get a Playlist	Get a Playlist Owned by a Spotify User
Change a Playlist's Details	Change a Playlist's Name and Public/Private state Owned by the current Spotify User
Get a Playlist's Items	Get full details of the Items of a Playlist Owned by a Spotify User
Add Items to a Playlist	Add one or more Items to a User's Playlist
Reorder or Replace a Playlist's Items	Reorder or Replace Items in a Playlist to replace or clear items in a Playlist
Remove Items from a Playlist	Remove one or more Items from a User's Playlist
Get a Playlist Cover Image	Get the current Image associated with a specific Playlist
Upload a Custom Playlist Cover Image	Replace the Image used to represent a specific Playlist
Search API	
Search for an Item	Get Albums, Artists, Playlists, Tracks, Shows or Episodes that match a keyword string
Shows API	
Get Multiple Shows	Get several Shows based on their Spotify IDs
Get a Show	Get a single Show identified by its unique Spotify ID
Get a Show's Episodes	Get information about a Show's Episodes

Requests

Tracks API	
Get Several Tracks	Get multiple tracks based on their Spotify IDs
Get a Track	Get a single Track identified by its unique Spotify ID
Get Audio Features for Several Tracks	Get Audio Features for multiple Tracks based on their Spotify IDs
Get Audio Features for a Track	Get Audio Feature information for a single Track identified by its unique Spotify ID
Get Audio Analysis for a Track	Get a detailed Audio Analysis for a single Track identified by its unique Spotify ID
User Profile API	
Get Current User's Profile	Get several Shows based on their Spotify IDs
Get a User's Profile	Get a single Show identified by its unique Spotify ID.

Requests

Responses

Spotify Web API

Objects Index

AlbumObject	ErrorObject	SavedShowObject
ArtistObject	ExternalIdObject	SavedTrackObject
AudioFeaturesObject	PagingObject	ShowObject
CategoryObject	PlayHistoryObject	SimplifiedAlbumObject
ContextObject	PlaylistObject	SimplifiedEpisodeObject
CurrentlyPlayingObject	PlaylistTrackObject	SimplifiedShowObject
CursorObject	PrivateUserObject	SimplifiedTrackObject
CursorPagingObject	PublicUserObject	TrackObject
DeviceObject	RecommendationSeedObject	TuneableTrackObject
DevicesObject	RecommendationsResponseObject	
EpisodeObject	ResumePointObject	

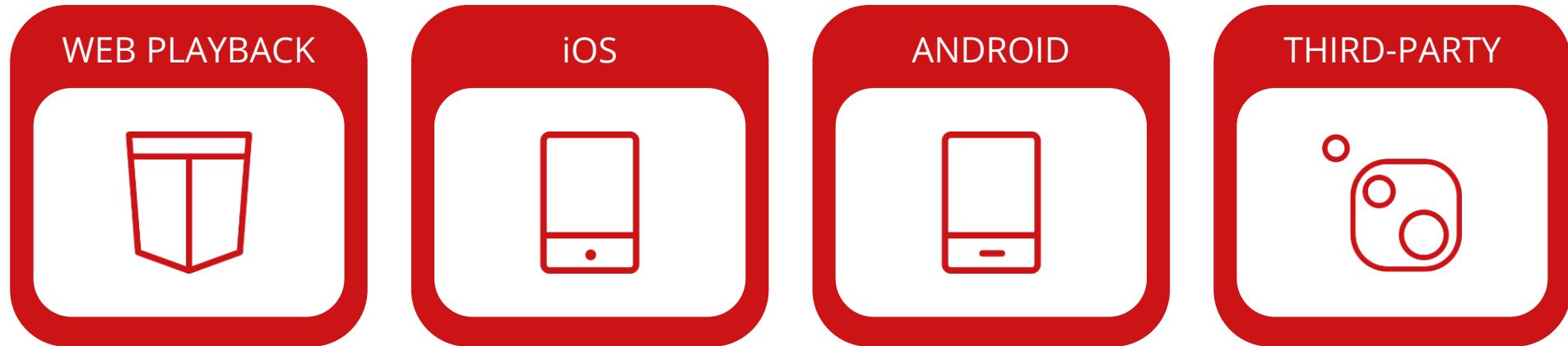
Responses

Spotify SDKs

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Overview



Spotify SDKs

Spotify 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 iOS SDK

Key Features	
Lightweight SDK	Focus on making your own user experience delightful
Authentication	Users authenticate your application
Always-in-sync Playback	Always stay in sync with the main Spotify application running on the user's device in the background
Offline support	Excludes calls to the Web API and authentication which requires an Internet connection
Built-in networking, track relinking, and caching support	Offload playback, authentication, networking and offline caching to the main Spotify application

Spotify Android SDK

Key Features	
Spotify Authentication & Spotify App Remote Libraries	Obtain OAuth access tokens to play music or calls to Web API and Playback control or Metadata access
Lightweight Objects	Connect to Spotify app and let you control it, heavy lifting of playback is offloaded to Spotify app itself
Playback always in sync	Between Spotify and app is streamlined experience where playback and metadata always stay in sync
System integration	Handles audio focus, lockscreen controls and incoming calls
Works Offline and Online	Does not require Web API calls to get metadata for player state

Third-party SDKs

Spotify SDKs

Spotify.NetStandard

Details

NuGet	nuget.org/packages/Spotify.NetStandard
GitHub	github.com/RoguePlanetoid/Spotify-NetStandard

NuGet

Package Manager	<code>PM> Install-Package Spotify.NetStandard</code>
.NET CLI	<code>> dotnet add package Spotify.NetStandard</code>

Example

```
using Spotify.NetStandard.Client;
using Spotify.NetStandard.Requests;

var client = SpotifyClientFactory.CreateSpotifyClient("client-id","client-secret");
var response = await client.LookupNewReleasesAsync(page: new Page() { Limit = 10 });
foreach (var album in response.Albums.Items)
{
    Console.WriteLine(album.Name);
}
```

Third-party SDKs

Spotify.NetStandard.Sdk

Details

NuGet	nuget.org/packages/Spotify.NetStandard.Sdk
GitHub	github.com/RoguePlanetoid/Spotify-NetStandard-Sdk

NuGet

Package Manager	<code>PM> Install-Package Spotify.NetStandard.Sdk</code>
.NET CLI	<code>> dotnet add package Spotify.NetStandard.Sdk</code>

Example

```
using Spotify.NetStandard.Sdk;  
  
var client = SpotifySdkClientFactory.CreateSpotifySdkClient("client-id", "client-secret");  
var request = new AlbumsRequest() { AlbumType = AlbumType.NewReleases };  
var response = client.ListAlbumsAsync(request);  
foreach (var album in response.Items)  
{  
    Console.WriteLine(album.Name);  
}
```

Third-party SDKs

Spotify.Uwp

Details

NuGet	nuget.org/packages/Spotify.Uwp
GitHub	github.com/RoguePlanetoid/Spotify-Uwp

NuGet

Package Manager	<code>PM> Install-Package Spotify.Uwp</code>
.NET CLI	<code>> dotnet add package Spotify.Uwp</code>

Example

```
using Spotify.NetStandard.Sdk;  
  
var client = SpotifySdkClientFactory.CreateSpotifySdkClient("client-id", "client-secret");  
var model = new ListAlbumViewModel(client, AlbumType.NewReleases);
```

Third-party SDKs

Demo

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.NET 5 ASP.NET Core Razor Pages

Details

GitHub

github.com/RoguePlanetoid/SpotifyForDevelopers

Spotify for Developers

Authorisation

Authorisation Code Flow
Login

Authorisation Code Flow with PKCE
Login

Implicit Grant Flow
Login

Client Credentials Flow
Login

Spotify Web API App Authorisation

Search

Album

Query

Search For An Item

Browse

Get All Categories

Category Id

Get Category

Category Id

Get Category Playlists

Get Recommendation Genres

Spotify Web API User Authorisation

Follow

User

Ids

Follow Artists or Users

Playlist Id

Follow a Playlist

User

Ids

Get Following State for Artists or Users

Playlist Id

User Ids

Check if Users Follow a Playlist

Demo

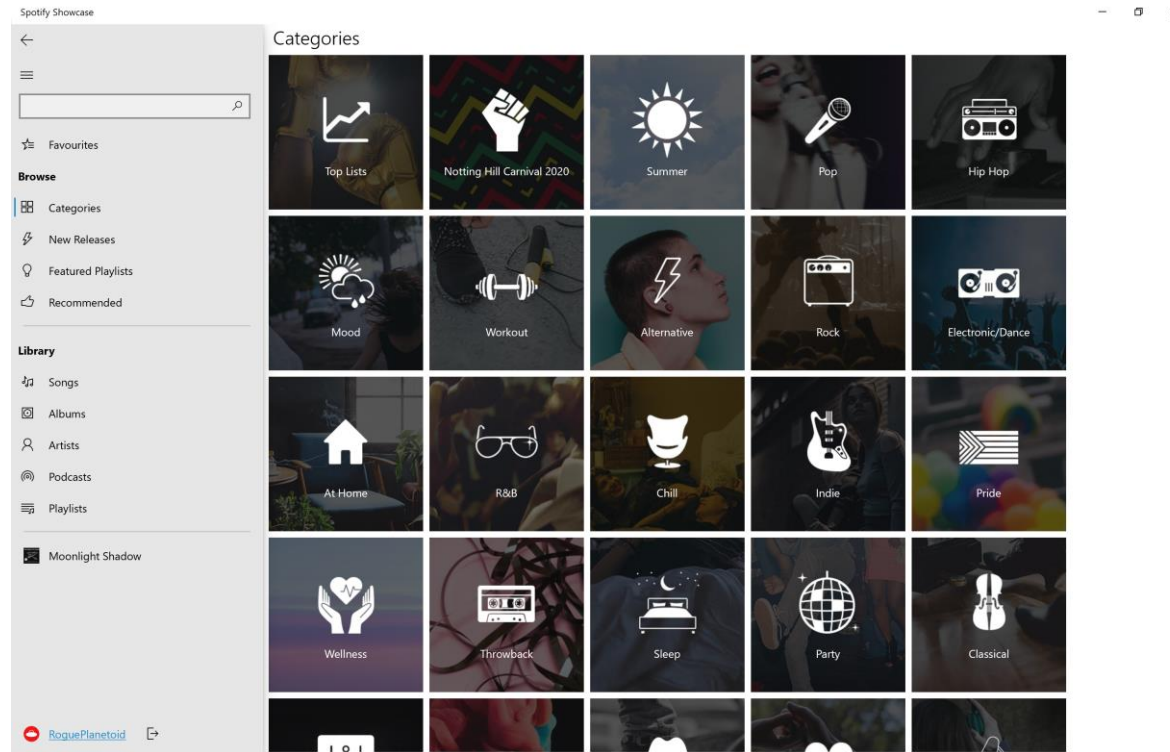


Universal Windows Platform

Details

GitHub

github.com/RoguePlanetoid/Spotify-Uwp-Showcase



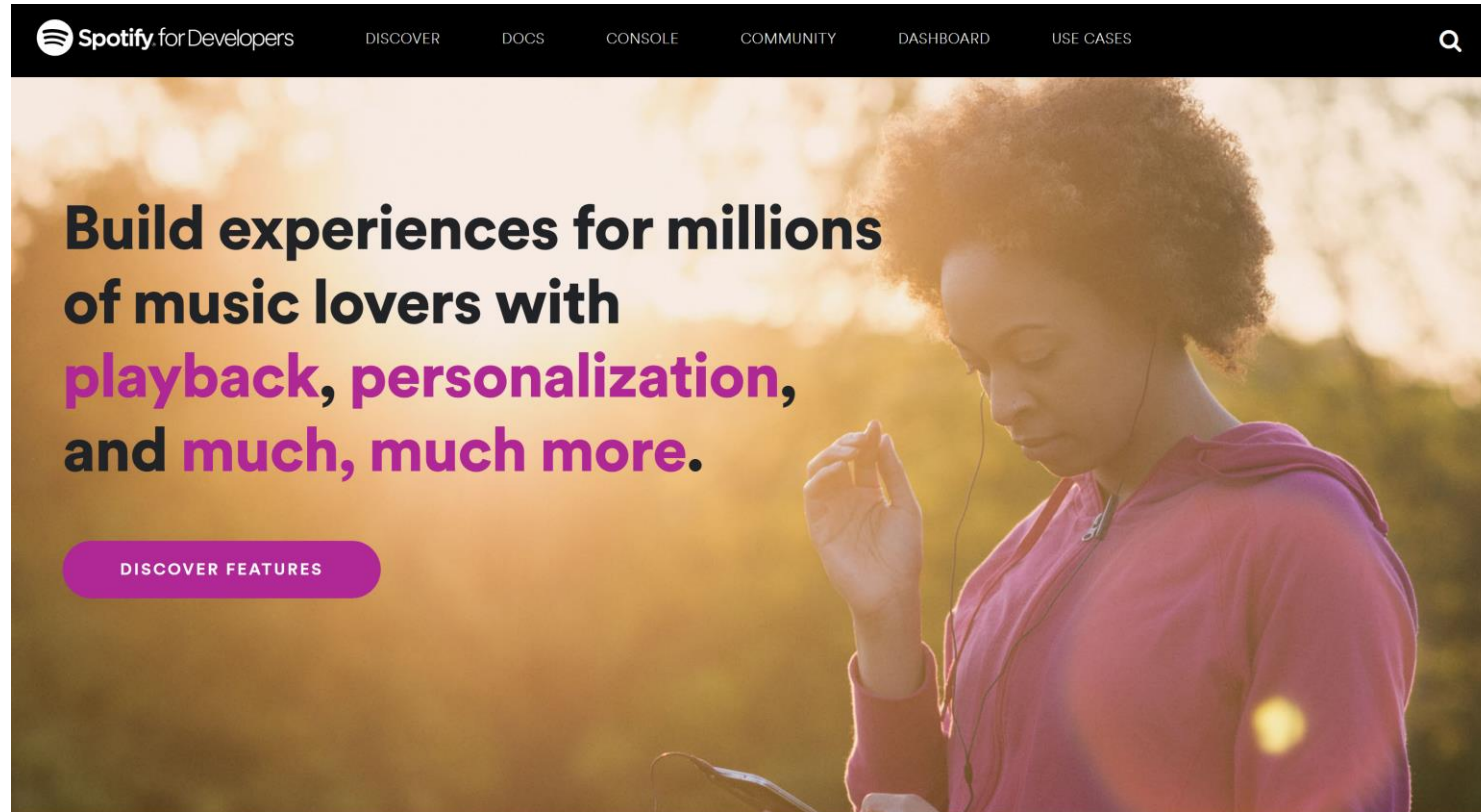
Demo

Summary

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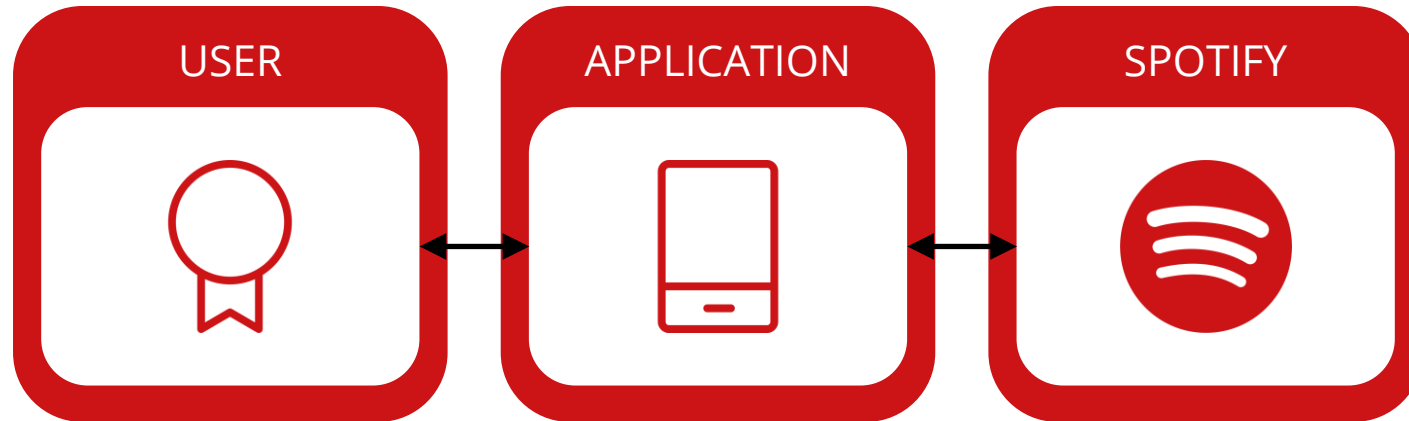
developer.spotify.com



Summary

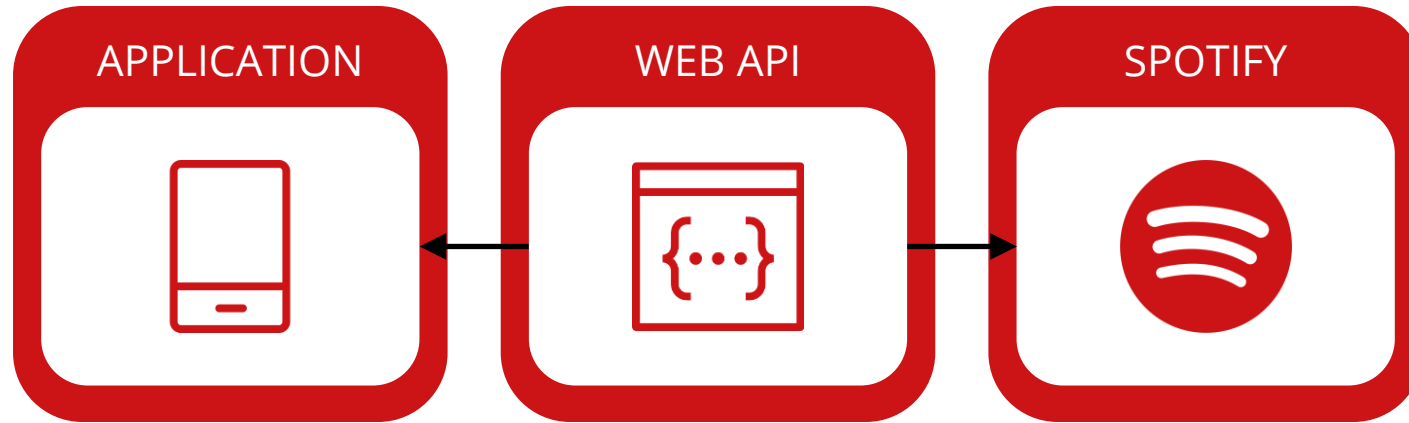


Authorisation



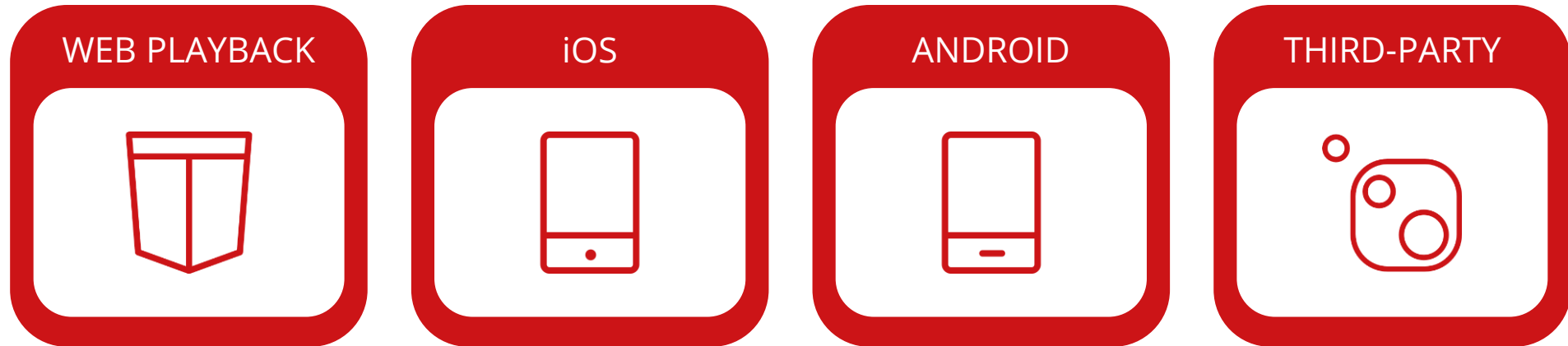
Summary

Spotify Web API



Summary

Spotify SDKs



Summary

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tutorialr.com

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