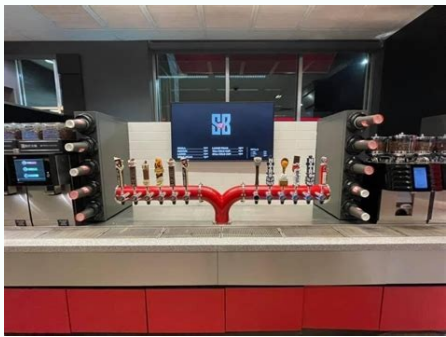


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libVLC multimedia environment (VLC SDK) can be built into your application to get multimedia features. libVLC is a cross-platform audio and video API that provides a versatile multimedia API that can be used on mobile devices, servers and desktops for video rendering and audio output as well as encoding and streaming. Since VLC is based on libVLC, it should have the same features as VLC media player. The libVLC multimedia framework is already used by several applications; see who uses libVLC? Specifically, libVLC can: Play any media file format, any codec, and any streaming protocol (RTSP, RTMP, Multicast, HLS/Dash/HTTP, etc.) Run on any platform, from desktops (Windows, Linux, Mac) to devices mobile (Android), iOS) and TVs (AppleTV, Android TV, Tizen) and consoles (PS4/5, Xbox) Hardware and efficient decoding on any platform, web browsing up to 8K for remote file systems (SMB, FTP, SFTP, NFS, ...) and servers (UPnP, DLNA) CD, DVD and Blu-ray audio playback with menu navigation 8K and HDR support including tone mapping for HDR streams Audio pass through SPDIF and HDMI including HD audio codecs such as DD+, TrueHD and DTS - HD support for versatile video and audio filters Support for 360/VR video and 3D audio playback, including Ambionics ability to broadcast and stream to remote renderers such as Chromecast and UPnP renderers. libVLC, like VLC, can be used to stream audio and video content over the Internet using various open source licenses or non-open source applications. For libVLC-core, the license of the LGPL must be followed. In layman's terms, this means you can use libVLC in your own app without using it as open source, as long as modifications to VLC core and plugins are made available to users and the community. You also need to explicitly unlink your application from libVLC (using dynamic linking makes this much easier). However, it is highly recommended LGPL plugins. Proprietary Plugins It is also possible to have proprietary plugins around VLC as long as you can comply with the LGPL for all the libraries involved. Distribution must be split. In layman's terms, if you have a proprietary plugin, you should: use libVLCcore as a dynamic library, link your plugin dynamically with libVLCcore and other LGPL libraries, make sure libVLC doesn't depend on your particular plugin, be able to remove the plugin, and have a working app. Documentation See the Doxygen documentation, which is the reference documentation. Make sure the documentation matches the version of libVLC. (if not, you can build it from source) Some other topics are covered here: Examples Playback Rendering and Streaming More Advanced Examples MediaInfo Cloner (libvlc-demos.git) Webcam/Cheese Cloner (libvlc-demos.git) libVLC on Android VLCkit for Cocoa (iOS/macOS) See the dedicated page for feature details and implementation. macOS iOS A simple player for iOS. An embeddable player for integration with iOS applications. .NET/Mono cross-platform support with libVLCSharp Legacy Samples Language and Platform Bindings libVLC is a C library. It has bindings for the following languages and platforms: Compilation comes directly from VLC source code. Headers can be found in the vlc-src/include/lib/ binaries and libvlc.so in the vlc-src/lib/ libs hidden folder. When using a custom build of libVLC, you can find the headers in the vlc-src/include/ folder. For more information, see the libVLC documentation. Blocking and non-blocking calls. libVLC has blocking and non-blocking calls. Blocking calls block the thread of the caller. Non-blocking calls do not block the thread of the caller. Both options are available on Android and iOS phones. Sometimes operating systems hide these functions deep in the settings. In addition, different operators offer different number blocking options, so this feature is not always completely dependent on the operating system. All major mobile phone operating systems offer a way to block incoming phone numbers. You can block numbers in Recent Calls, FaceTime, or Messages. Blocking a number from one area will block all three. From anywhere: Tap the icon next to the phone number (or call). At the bottom of the information screen, select Block this caller. View and manage blocked numbers: Go to Settings. Tap Phone. Click on Call blocking and identification. Then select a phone number to view its details and choose to add or unblock the number or contact, or add a contact to block by scrolling down through all blocked numbers and selecting Block contact. This step will launch the Contacts app so you can choose who you want to block. You can also filter iMessages from people who are not in your contact list. After filtering out at least one message, a new Unknown Senders tab will appear. You will still receive messages, but they will not appear automatically and you will not receive any notifications. Filtering iMessages: Open Settings. Click on Messages. Scroll to and tap Unknown and Spam. Turn on Filter unknown senders. Since so many manufacturers make phones (Samsung, Google, Huawei, Xiaomi, LG, etc.) with the Android operating system, the procedure for blocking numbers can vary greatly. Additionally, Android versions Marshmallow and earlier do not offer this feature natively. If you're using an older version like this, your carrier may support it, or you may have it. Blocking numbers on iPhones: Go to Settings. Tap Phone. Tap Blocked Numbers. Tap Add New. Tap the plus icon to add a new number. Tap the minus icon to remove a number. Tap Done. To view and manage blocked numbers: Go to Settings. Tap Phone. Tap Blocked Numbers. Confirm by additionally blocking. If you can't block a call, you can at least send it to voicemail: open the Phone app. Tap Contacts. Click on the name. Tap the pencil icon to edit a contact. Select a menu. Select All Calls to Voicemail. Depending on your carrier and Android version, you may need to install a separate app to support call blocking. Open the Google Play Store and search for "call blocker". Notable apps are Call Blocker Free, Mr. Number and Safest Call Blocker. Some of them are free and show ads, while others offer a premium version without ads. In addition to managing incoming calls by blocking calls, you can also control whether your caller ID is shown on an outgoing call. This feature can be configured to permanently or temporarily block calls. Your phone number cannot be blocked when calling toll-free numbers (such as 1-800 numbers) and emergency numbers (911). Just add the prefix \*67 before the phone number on your mobile phone. This code is a generic caller ID disable command. For example, a blocked call would look like this: \*67 555 555 5555. The caller ID usually shows "personal number" or "unknown". You don't hear or see the caller ID block confirmation, but it works. Call your carrier and request a line block to permanently block your phone in the outgoing caller ID. This change is permanent and irreversible. Although the support team may try to convince you to change your mind, the choice is yours. Different operators support additional blocking features, such as blocking specific numbers or messages. Although the carrier carrier code may vary, the general steps for blocking numbers on mobile phones are fairly similar. For example, on the iPhone, you can: Go to Settings. Tap Phone. Tap Blocked Numbers. Tap Add New. Tap the plus icon to add a new number. Tap the minus icon to remove a number. Tap Done. To view and manage blocked numbers: Go to Settings. Tap Phone. Tap Blocked Numbers. Confirm by additionally blocking. If you can't block a call, you can at least send it to voicemail: open the Phone app. Tap Contacts. Click on the name. Tap the pencil icon to edit a contact. Select a menu. Most Android phones offer a Caller ID blocking feature in the phone's settings. To add a contact to block by scrolling down through all blocked numbers and selecting Block contact. This step will launch the Contacts app so you can choose who you want to block. You can also filter iMessages from people who are not in your contact list. 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If you can't block a call, you can at least send it to voicemail: open the Phone app. Tap Contacts. Click on the name. Tap the pencil icon to edit a contact. Select a menu. Select All Calls to Voicemail. Depending on your carrier and Android version, you may need to install a separate app to support call blocking. Open the Google Play Store and search for "call blocker". Notable apps are Call Blocker Free, Mr. Number and Safest Call Blocker. Some of them are free and show ads, while others offer a premium version without ads. In addition to managing incoming calls by blocking calls, you can also control whether your caller ID is shown on an outgoing call. This feature can be configured to permanently or temporarily block calls. Your phone number cannot be blocked when calling toll-free numbers (such as 1-800 numbers) and emergency numbers (911). Just add the prefix \*67 before the phone number on your mobile phone. This code is a generic caller ID disable command. 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