Getting Started - CDM for Android

Version 0.3

Summary

This document outlines the process for Android AOSP partners to gain access to the Widevine CDM Client Repository for Android.

Process

Step	Description	Contact
Create a Google Account	Access to the repository requires a *Google account*. When registering for a Google account, you must use your **company or corporate email address**. We do not allow access from personal email addresses (gmail.com, outlook.com, yahoo.com, etc.)	For more information on creating a Google account, please see Accessing The Widevine Partner Repository.
Complete Widevine Legal Agreements	Partner access to the repository is contingent upon signing of the Widevine Master License Agreement.	Use the Contact Form.
Access the Widevine CDM Repository for Android	Upon verification of a valid Google account **and** completion of the Widevine Master License Agreement, Widevine will grant access to the repository. **Note: If a Widevine Level 1 device integration[1] is being considered, you will need to obtain the correct OEMCrypto library from your chipset vendor.**	Widevine CDM Repository for Android. Need help? Use the Contact Form.
Getting support	Your email address is part of a Google group called Widevine OEM Android (widevine-oem-android@googlegroups.com)	Need help or clarification? Use the Contact Form.

	This group is monitored by Widevine's Android team and will be able to assist on a variety of issues.	

[1] For information on Widevine client security levels, please see our Architecture Overview.

Repository Layout

Location: https://widevine-partner.googlesource.com/android/

Required

The Widevine CDM is located under `<branch>/libwvdrmengine`
CDM documentation is located under `<branch>/libwvdrmengine/docs`

The Widevine CDM is required for encrypted (CENC) DASH compatibility. This is a required client from Android 4.4 onwards.

Optional

The Widevine Classic client is located under `<branch>/proprietary`
Classic documentation is located under `<branch>/proprietary/docs`

The Widevine Classic client is a legacy (to-be-deprecated) library that works with the Widevine proprietary format (file extension .wvm)
This legacy client is required for Android K and L versions. It is optional for Android M.

Branch	Android Version	OEMCrypto Version
klp	Android 4.4.x	OEMCrypto 8
lmp	Android 5.x	OEMCrypto 9

mnc	Android 6.x	OEMCrypto 10

Building

To build, place the widevine repo at `ROOT/vendor/widevine` in the AOSP tree where `ROOT` is the root of the AOSP tree. The build scripts for Android will automatically detect and build the Widevine CDM. For more information on building Android, see the [documentation](#) on building the AOSP project.

Testing

After building, to test that the Widevine CDM, run "`sh build_and_run_all_unit_tests.sh`" located in `WIDEVINE_ROOT/libwvdrmengine/`.

Getting Help

Access to the repository automatically places your email address in the [Widevine OEM Android](#) group. Membership within this group is required for access to the repository and is used to provide general announcements and updates from the Widevine team.

To receive support or additional information, please use the [contact form on the Widevine website](#). Select *I'm a hardware manufacturer or partner* and then select *Other*.