OEMCrypto Version Compatibility

Last Updated: May 21, 2018

Major Features

OEMCrypto v8
- Version 8 is first Modular DRM compatible API
- Includes support for DRM Certificates.

OEMCrypto v9
- Initial support for usage tables which are required for offline licenses and secure stops.

OEMCrypto v10
- Improvements to feature reporting and testing.

OEMCrypto v11
- Pattern encryption to support CENC 3.0.

OEMCrypto v12
- Initial support for Provisioning 3.0 (i.e. using an OEM Certificate as root of trust instead of a keybox).

OEMCrypto v13
- Larger usage tables.
- Analog output restrictions in key control block.
- Support for HDCP SRM update.

OEMCrypto v14
- Support for Entitlement Licenses.
- Reporting analog restrictions.
- Cipher mode set when key selected, not when key loaded.

Android Mobile

Android OS	Release Date	OEMCrypto Version	New Device [1]	Device Upgrade [2]
Android 9.0 P	TBD	OEMCrypto v14	OEMCrypto v14	OEMCrypto v13 or v14
Android 8.1 Oreo	December 2017	OEMCrypto v13	OEMCrypto v13	OEMCrypto v11
Android 8.0 Oreo	August 2017	OEMCrypto v11	OEMCrypto v11 (v12 or v13 supported but not recommended due to known issues)	OEMCrypto v11
Android 7.0 Nougat	August 2016	OEMCrypto v11	OEMCrypto v11	OEMCrypto v11
Android 6.0 Marshmallow	October 2015	OEMCrypto v10	OEMCrypto v10	OEMCrypto v10
Android 5.0 Lollipop	November 2014	OEMCrypto v9	OEMCrypto v9	OEMCrypto v9
Android 4.4 KitKat	October 2013	OEMCrypto v8	OEMCrypto v8	OEMCrypto v8
Android 4.3 Jelly Bean MR2	July 2013	OEMCrypto v8	OEMCrypto v8	OEMCrypto v8

1 - refers to a new device integration for the specified Android OS version.
2 - refers to a device OS upgrade to the specified Android OS version.

Android TV

Android OS	Release Date	OEMCrypto Version	New Device [1]	Device Upgrade [2]
Android 9.0 P	TBD	OEMCrypto v14	OEMCrypto v14	OEMCrypto v14
Android 8.1 Oreo	December 2017	OEMCrypto v13	OEMCrypto v13	OEMCrypto v11
Android 8.0 Oreo	August 2017	OEMCrypto v11	OEMCrypto v11 (v12 or v13 supported but not recommended due to known issues)	OEMCrypto v11
Android 7.0 Nougat	August 2016	OEMCrypto v11	OEMCrypto v11	OEMCrypto v11
Android 6.0 Marshmallow	October 2015	OEMCrypto v10	OEMCrypto v10	OEMCrypto v10
Android 5.0 Lollipop	November 2014	OEMCrypto v9	OEMCrypto v9	OEMCrypto v9

1 - refers to a new device integration for the specified Android OS version.

2 - refers to a device OS upgrade to the specified Android OS version.

CDM Source (ce_cdm)

CE CDM Version	Recommended OEMCrypto Version	Minimum OEMCrypto Version	Status [1]
14.x.x	v14	v14	Supported
3.5.x	v13	v10	Supported
3.4.x	v12	v10	Supported
3.3.x	v11	v10	Not Supported
3.0.0	v10	v10	Not Supported
2.2.x	v8	v8	Not Supported

1 - refers to official Widevine support (development, testing and validation).

Cobalt

Cobalt Version	CE CDM Version	YouTube Living Room Requirements	Status [1]
9	14.x.x	2019	Supported
8	3.5.x	2018	Supported
7	3.2.x	2017	Supported

1 - refers to official Widevine support (development, testing and validation).