Overview

Kernel Security

App Security

Implementing Security

Updates and Resources

Reports

Enhancements

Acknowledgements

Bulletins

Overview

- Advisories
- Android Bulletins
- Pixel/Nexus Bulletins
- Application Signing
- Authentication

Biometric Unlock

- Keystore
- Trusty TEE
- Encryption
- ▶ SELinux
- Verified Boot

Android Security Bulletins

Contents

Notifications

Sources

Bulletins

Monthly device updates are an important tool to keep Android users safe and protect their devices. This page contains the available Android Security Bulletins, which provide fixes for possible issues affecting devices running Android. Android device and chipset manufacturers may also publish security vulnerability details specific to their products, such as:

- Google
- LG
- Motorola
- Samsung

Notifications

To get notifications when a new Android bulletin is published, join the Android Security Updates group, and set your email delivery preference to receive all updates.

Sources

Fixes listed in the public bulletin come from various different sources: the Android Open Source Project (AOSP), the upstream Linux kernel, and system-on-chip (SOC) manufacturers. For device manufacturers:

- Android platform fixes are merged into AOSP 24–48 hours after the security bulletin is released and can be picked up directly from there.
- Upstream Linux kernel fixes are linked to directly from the bulletin on release and can be picked up from there.
- Fixes from SOC manufacturers are available directly from the manufacturers.

Bulletins

Bulletin	Languages	Published date	Security patch level
May 2018	Coming soon	May 7, 2018	2018-05-01 2018-05-05
April 2018	Coming soon	April 2, 2018	2018-04-01 2018-04-05
March 2018	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	March 5, 2018	2018-03-01 2018-03-05
February 2018	English / 日本語 / 한국어 / ру́сский / 中文 (中国) / 中文 (台灣)	February 5, 2018	2018-02-01 2018-02-05
January 2018	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中	January 2, 2018	2018-01-01

	文(台灣)		2018-01-05
December 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	December 4, 2017	2017-12-01 2017-12-05
November 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	November 6, 2017	2017-11-01 2017-11-05 2017-11-06
October 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	October 2, 2017	2017-10-01 2017-10-05
September 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	September 5, 2017	2017-09-01 2017-09-05
August 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	August 7, 2017	2017-08-01 2017-08-05
July 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	July 5, 2017	2017-07-01 2017-07-05
June 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	June 5, 2017	2017-06-01 2017-06-05
May 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	May 1, 2017	2017-05-01 2017-05-05
April 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	April 3, 2017	2017-04-01 2017-04-05
March 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	March 6, 2017	2017-03-01 2017-03-05
February 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	February 6, 2017	2017-02-01 2017-02-05

January 2017	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	January 3, 2017	2017-01-01 2017-01-05
December 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	December 5, 2016	2016-12-01 2016-12-05
November 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	November 7, 2016	2016-11-01 2016-11-05 2016-11-06
October 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	October 3, 2016	2016-10-01 2016-10-05
September 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	September 6, 2016	2016-09-01 2016-09-05 2016-09-06
August 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	August 1, 2016	2016-08-01 2016-08-05
July 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	July 6, 2016	2016-07-01 2016-07-05
June 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	June 6, 2016	2016-06-01
May 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	May 2, 2016	2016-05-01
April 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	April 4, 2016	2016-04-02
March 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	March 7, 2016	2016-03-01
February 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中	February 1,	2016-02-01

	文 (台灣)	2016	
January 2016	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	January 4, 2016	2016-01-01
December 2015	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	December 7, 2015	2015-12-01
November 2015	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	November 2, 2015	2015-11-01
October 2015	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	October 5, 2015	2015-10-01
September 2015	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	September 9, 2015	N/A
August 2015	English / 日本語 / 한국어 / рýсский / 中文 (中国) / 中文 (台灣)	August 13, 2015	N/A

Except as otherwise noted, the content of this page is licensed under the Creative Commons Attribution 3.0 License, and code samples are licensed under the Apache 2.0 License. For details, see our Site Policies. Java is a registered trademark of Oracle and/or its affiliates.

Last updated May 7, 2018.

Build	Connect	Get Help
Android Repository	@Android on Twitter	Android Help Center
Requirements	@AndroidDev on Twitter	Pixel Help Center

Downloading Android Blog Nexus Help Center Google Security Blog www.android.com **Preview Binaries** Factory Images Platform on Google Groups Google Mobile Services **Driver Binaries Building on Google Groups** Stack Overflow GitHub Porting on Google Groups Issue Tracker ENGLISH ▼ About Android | Community | Legal | License | Privacy | Site Feedback