

# Application Selection: Kakao, Line and Slack

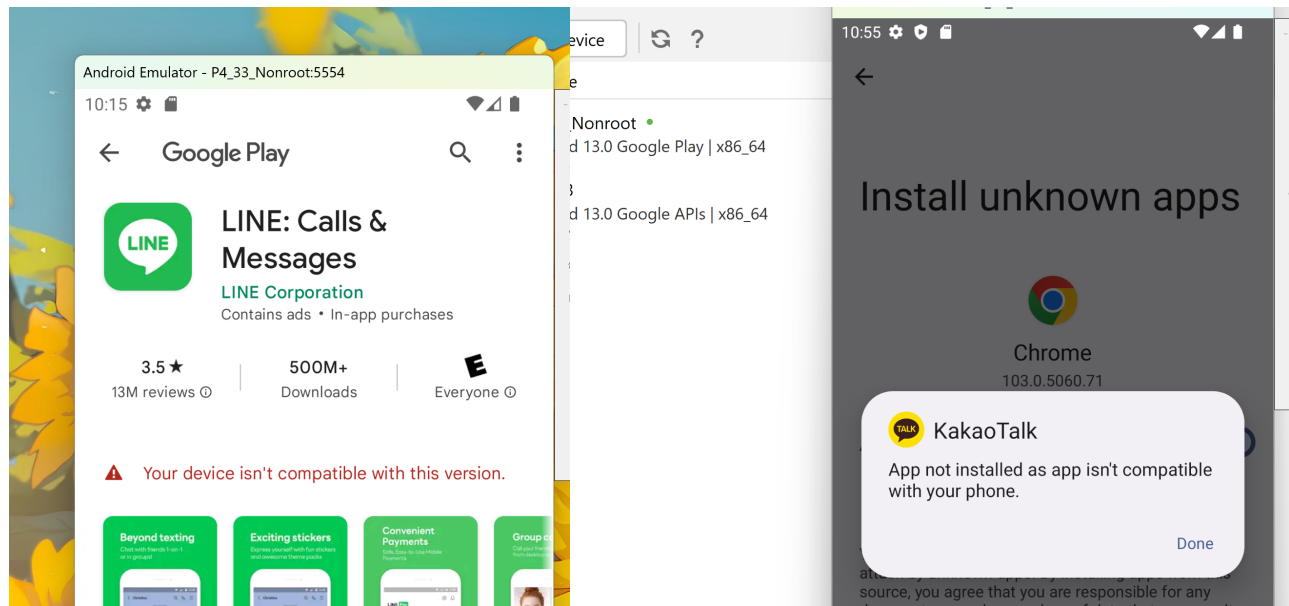
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## Candidates

APP	ORIGIN	MAIN USER GROUP	FUNCTIONALITY
Kakao	South Korea	Individuals in Asia.	Instant messaging, voice calls, multimedia sharing.
LINE	Japan	Diverse user group in Asia.	Instant messaging, voice/video calls, stickers, games.
Slack	United States	Teams and organizations.	Real-time messaging, channel organization, tool/service integrations.

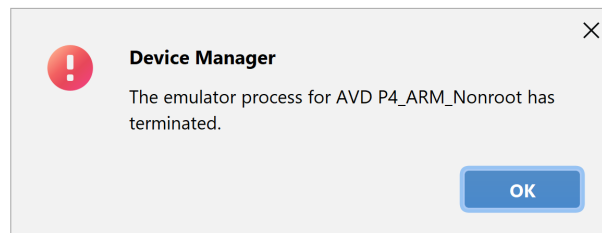
## Kakao Talk & Line

First, Kakao Talk and Line cannot run in the Android emulator because they do not offer x86 architecture installation files in any source (Google Play, Third-party app store etc.).



In addition, I failed to create an ARM architecture environment, and the reason remains unknown. Possible causes are **missing drivers**, **upstream issues**, or **misconfiguration**.

```
pXLI3/H21sH3bvelgmVbhbz3b2r1rAA/b1jVx/c0ELON1Ta+wl8A13oVGHSLtG/95sUwH+kxV/o/56df3033iLZ5hcPb9MW4Ue/P8dZL5nJ8HtGpdnS6TZZF
UVh6gEewEAAQA= @unknown]
INFO | Warning: QCssParser::parseHexColor: Unknown color name '#FFFFFF' ((null):0, (null))
WARNING | *** No gRPC protection active, consider launching with the -grpc-use-jwt flag.***
INFO | Started GRPC server at 127.0.0.1:8554, security: Local, auth: none
INFO | Advertising in: C:\Users\sfceng\AppData\Local\Temp\avd\running\pid_34252.ini
qemu-system-aarch64.exe: PCI bus not available for virtio-snd-pci
INFO | warning: QObject::connect: no such slot NetworkConnectivityManager::updateCompleted() in C:/buildbot/src/android/emu-32-release/external/qemu/android/android-emu/android/skin/qt/extended-pages/network-connectivity-manager.cpp:44 (
(null):0, (null))
ERROR | detected a hanging thread 'QEMU2 main loop'. No response for 108669 ms
ERROR | detected a hanging thread 'QEMU2 CPU0 thread'. No response for 108667 ms
```



In conclusion, I can investigate it further but cannot guarantee the final result.

## Slack

Both google play store and third-party versions work.