# ARC

## Android Runtime for Chrome

# *ANDROID*
## *AOSP*

## *AndroidOS Dalvik*

**<u>Dalvik Virtual Machine</u> (Emulation) - Android OS 1 to 4**

## *AndroidOS ART*

**Dalvik changed to <u>Android Runtime (ART)</u> Android OS 5 to 8, so as to run Android Applications in real time**

# *Android Runtime Chrome OS*
## *ARC*

### *Chrome Operating System* (based Google's Chromium OS)

*Started off as a Web based OS, upgraded to Extensions and Chrome Apps.  With the advent of ART Android Applications were available to ChromeOS via ARC.*

### *Android Runtime for Chrome (ARC)*

*A sandboxing technology for running Android applications on desktop and laptop computers in an isolated environment. Allowing Android applications to run at native speed*

# *Chrome OS*

## *Chrome OS Channels*

*You can test the latest features of the Chrome operating system (OS) by switching to a more experimental software channel. Chrome OS has three different software channels:*

*Stable channel: This channel is fully tested by the Chrome OS team, and is the best choice to avoid crashes and other problems. It's updated roughly every 2-3 weeks for minor changes, and every 6 weeks for major changes.*

*Beta channel: If you want to see upcoming changes and improvements with low risk, use the Beta channel. It's updated roughly every week, with major updates coming every 6 weeks, more than a month before the Stable channel gets them.*

*Dev channel: If you want to see the latest Chrome OS features, use the Dev channel. The Dev channel gets updated once or twice weekly. While this build is tested, it might have bugs, as we want people to see what's new as soon as possible.*

# Significance

One device can run 10,000 + Chrome OS Applications and 1 million + Android Applications.

Native Chrome OS and Android Application run offline

Google wants to take control of its Operating Systems, many Manufactures have installed bloated GUI causing lag, loss of stability and the end user confusion.

The end goal is to move from Application based systems to Intelligent Assistants then Artificial Intelligence.