webOS Open Source Edition and Chromium

LG Electronics
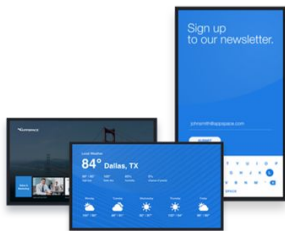Youngsoo Choi
Lokesh Kumar Goel

LG webOS is using Google Chromium as a web runtime environment and it is adopted to many LG devices.

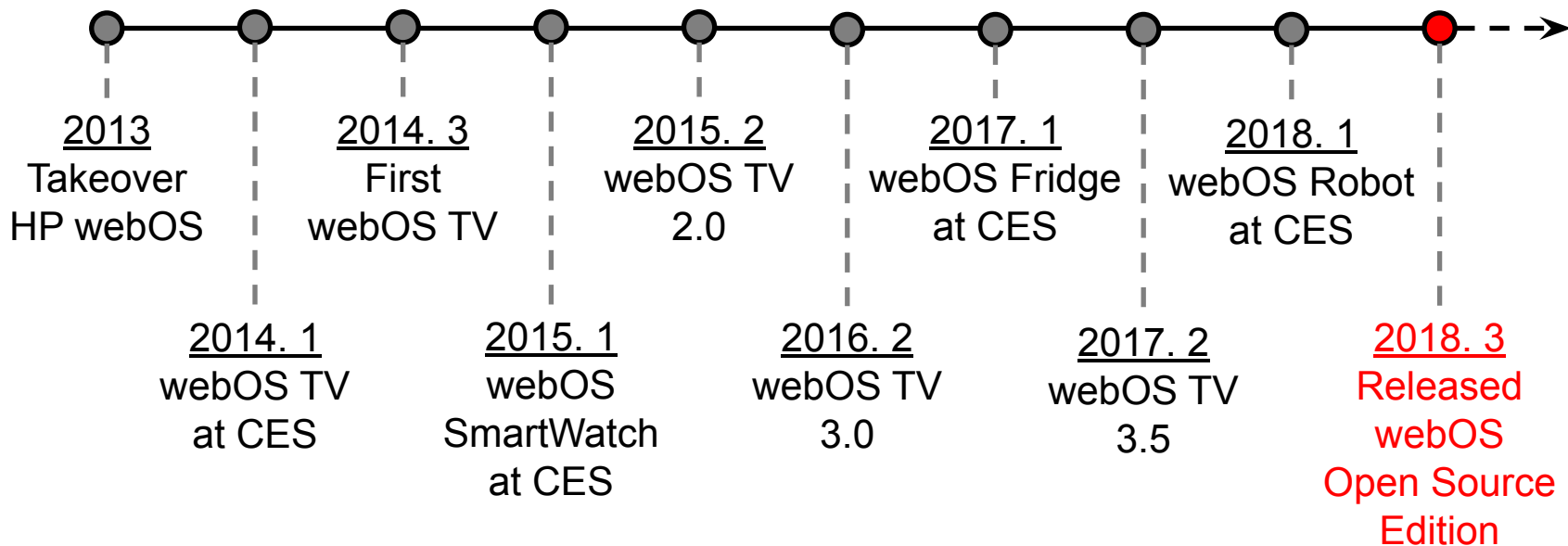| Smart TV | Digital Signage | Smart Watch | Smart Refrigerator | Robot | Open Source Edition |

webOS

History of webOS

2013
Takeover
HP webOS

2014. 1
webOS TV
at CES

2014. 3
First
webOS TV

2015. 1
webOS
SmartWatch
at CES

2015. 2
webOS TV
2.0

2016. 2
webOS TV
3.0

2017. 1
webOS Fridge
at CES

2017. 2
webOS TV
3.5

2018. 1
webOS Robot
at CES

2018. 3
Released
webOS
Open Source
Edition

webOS Open Source Edition

webOS Open Source Edition(OSE) is now available at http://webosose.org
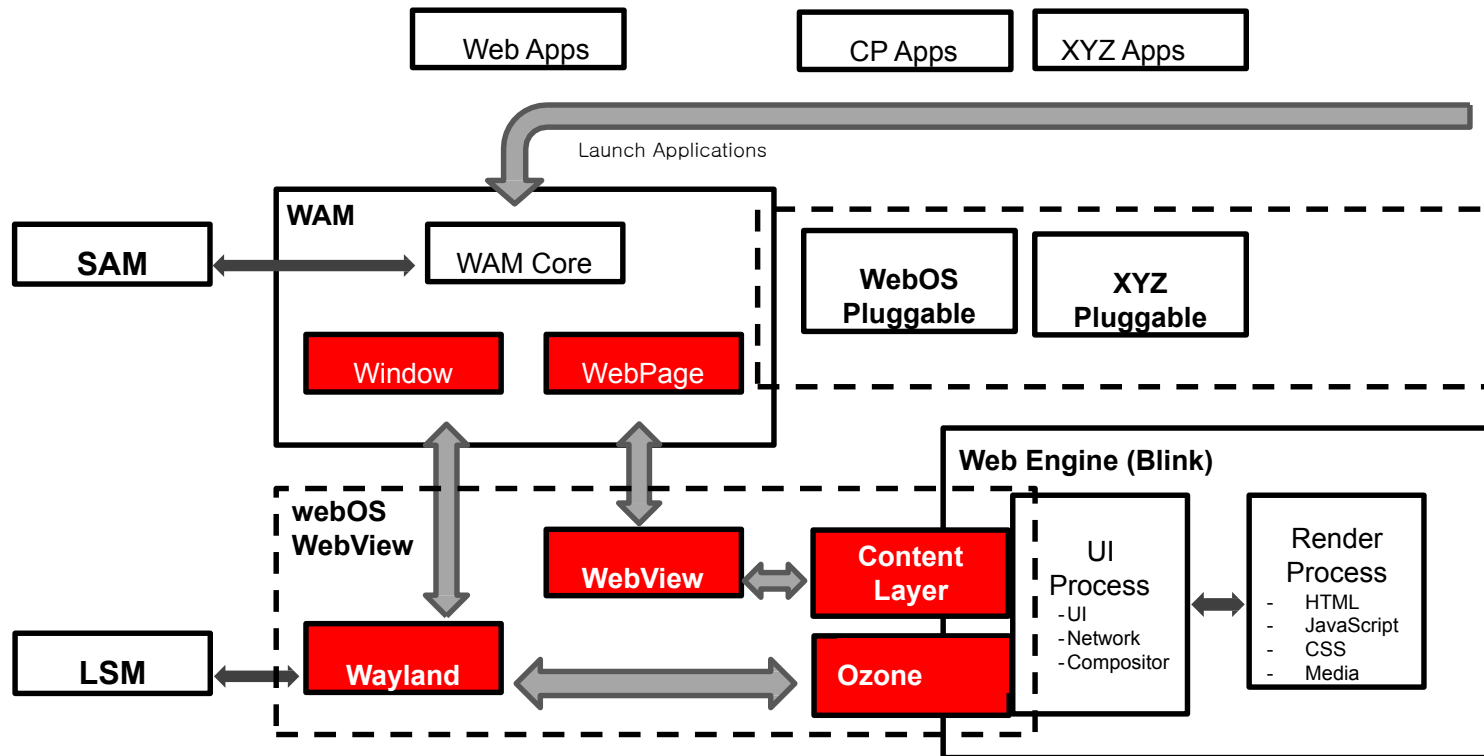(Source code from https://github.com/webosose/)
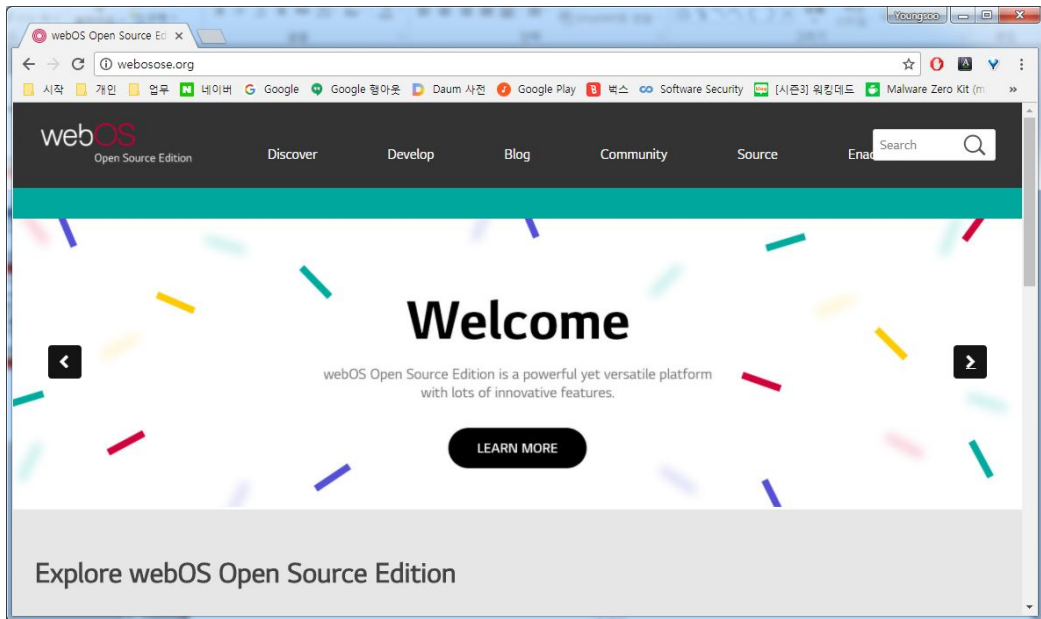
webOS Open Source Edition

- Powerful and Easy-to-use Open Software Platform

- Highly Optimized Open Source Web App Framework

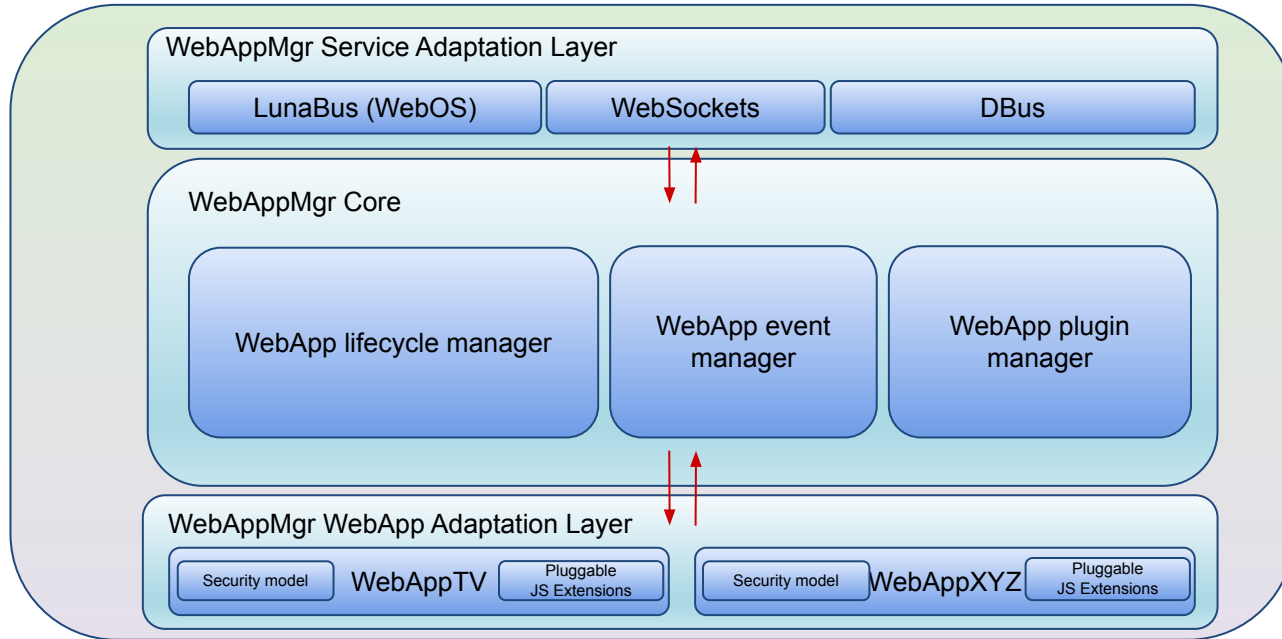http://enactjs.com/

- Open Platform for All Industries and Participants

https://github.com/webosose/chromium53
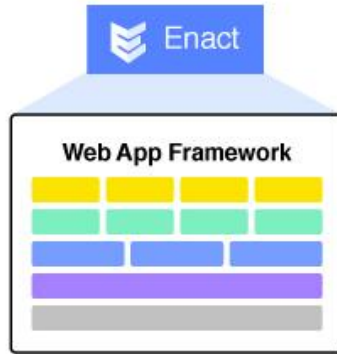
Customizable webOS WebApp Runtime

WAM

https://github.com/webosose/wam

LG's focus in 2017-18

➔ **Areas we are currently contributing**
  - ◆ webOS Open Source Edition Web Stack (http://webosose.org)
  - ◆ GCC support maintenance
  - ◆ meta-lg-webos Yocto layer for X11 official releases
  - ◆ New/legacy Ozone Wayland
  - ◆ Suspend/Resume
  - ◆ Memory optimizations

➔ **What areas we are focused next**
  - ◆ IME
  - ◆ Ozone wayland
  - ◆ memory tracing
  - ◆ Accessibility
  - ◆ Spatial Navigation

LG Chromium contributors

- Gyuyoung Kim (gyuyoung.kim@lge.com) – Refactoring/webOS Features/Bugs

- Jose Dapena Paz (jose.dapena@lge.com) – webOS Features/Accessibility

- Jani Hautakangas (jani.hautakangas@lge.com) - Graphics

- Andre Rosa (andre.rosa@lge.com) – Performance/Memory

- Junho Seo (junho0924.seo@lge.com) – Misc Features/New Standards

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Total Commits Landed: 182
Total Authors: 11

https://lgsvl.github.io/lge-cr-stats/general.html