

GzOS Introduction

Open Trust Group

Update: 10/17/2018

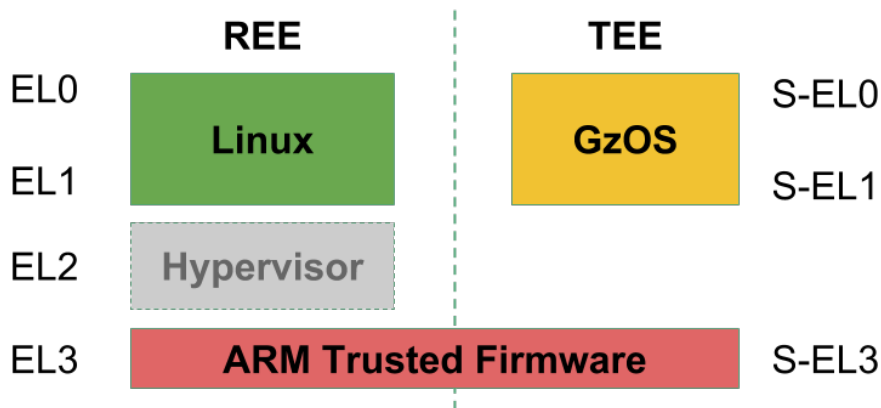
Quick Start Guide

```
$ curl -s https://raw.githubusercontent.com/OpenTrustGroup/scripts/gzos/bootstrap | bash -s  
gzos stable  
$ alias otg='fx vendor otg'  
$ cd gzos_stable  
$ otg set gztee --ree linux  
$ otg full-build -c  
$ otg run-qemu (Press 'c' to continue booting system)
```

https://github.com/OpenTrustGroup/docs/blob/master/gzos/getting_started.md

Brief Introduction

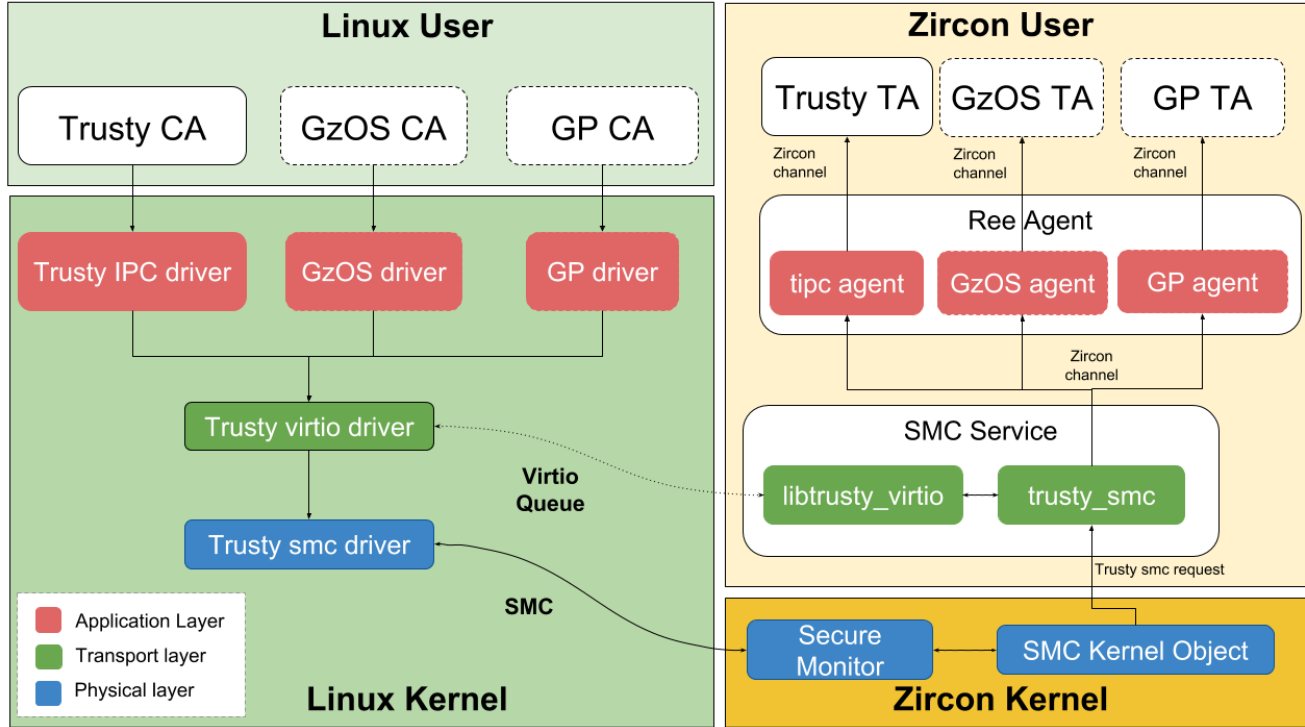
- An open-source TEE OS developed by Open Trust Group
- Permissive software licenses (MIT, BSD, Apache, ...)
- Derived from [Fuchsia](#) (Garnet Layer + Zircon Core Platform)
- Supported ARMv8-A TrustZone
- Can be developed on QEMU virtual platform



Why Fuchsia?

- Microkernel architecture + Capability-based security model
- A general purpose OS but easy to be tailored for a small system
 - Note: The scale of system RAM requirement is MB, not KB
- Good software quality
- Non-GPL license

GzOS Software Architecture



GzOS Status (ChangeLog)

- v0.1.0 released (2018-08-14)
 - Supported Trusty API by default
 - Supported on-demand TA loading
- v0.2.0 (under development)
 - Support GzOS proprietary API for CA to TA and TA to TA IPC
 - Support loading TA images from REE filesystem



<https://github.com/opentrustgroup>

BACKUP

About Open Trust Group

- An open source community focused on trusted OS development.
- Founded in January 2018
- Provided high quality and commercial friendly open source software
- Adopted agile software development methodology

