ftrace for Android hackers.

What ftrace is, why you should be using it, and how to get the most out of it.

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Overview

Overview of the material.

1. Introduction to ftrace
2. Primer: filesystems and debugfs
3. ftrace functionality
4. Example

Introduction to ftrace

What is ftrace anyway?

- ▶ Started out as a function tracer.
- ▶ Idea: save timing information for the execution of kernel functions and export the information to userspace.
- ▶ Utility: This is useful to kernel developers who need to keep an eye on how much time particular functions are taking.
- ▶ Today: Expanded to include tracers for many other kinds of info.
- ▶ Output: variety of formats, including human readable output - immensely useful for embedded developers (that means us!)