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AC power supply control in electr work and "IoT Relay" made in the United States

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A story about fixing a bug related to Go's



DSAS isa Linux- based infrastructuref nt services built and operated by KLab . Currently, we are building and of erating in 5 data centers, but we are wor king to improve DSAS every day wit nd more labor-saving. In this blog,I wou nd more labor-saving. in und comp,
d like to introduce various technologies
hat are used in <u>DSAS</u>, report the result
of experiments, talk about experiences v
hen I was involved in troubles, and <u>mix</u>

Freeware "HookDate" for Windows is re

Thumb size USB infrared remote contro

"TWE-LITE" Firmware Programming Tr

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May 30, 2012

Monitor file I/O on Android with inotify

ソソイート to see tB 24 users

While reading the Android source code the other day, I wanted to check the flow of file I/O that occurs on the system in a given process. This is because I thought it would be useful for understanding the overall picture of processing. So I decided to use inotify.

 $The \ And roid \ Linux \ kernel \ includes \ \underline{inotify} \ , \ and \ the \ And roid \ SDK \ provides \ a \ \underline{File Observer} \ class \ that \ uses \ inotify \ described by \ described by$

- Monitor Linux file system events with inotify-www.ibm.com
- FileObserver | Android Developers developer.android.com

Since Android limits the files and directories that can be accessed by general application processes, using FileObserver to provide tools in the form of an Android app would not be very useful for this purpose. In such cases, the CUI command line tool is more flexible. I decided to run the tool on a root-privileged console obtained by connecting to the adb shell to the Android emulator environment

Use Android's notify command

Android includes a command line tool "notify" that monitors file I/O using the inotify APL [platform/system/core/toolbox/notify.c]

Here is an output example when the following command is executed from another process while monitoring the "/data/local/tmp" directory using this notify command.

*The definition of I/O event is [platform/bionic/libc/kernel/common/linux/inotify.h].

Use the inotifywait command

Although Android's notify command is a compact and handy tool, it is inconvenient because it is difficult to read the output and it cannot recursively monitor the directory. It seems interesting to modify and make tools, but I found out that there is a package called inotify-tools in the Linux area, and decided to use the inotifywait com

· inotifywait(1) - Linux man page

license: LGPL version 2.1 or later site: Http://Www.Gnu.Org/software/libc

. Monitor directories with inotify-practice now! Linux system administration / Vol.157

I already built it by hand because I couldn't find it if someone had already built and distributed inotifywait that works on Android, and I couldn't find it. The complete set of projects modified for inotifywait and NDK builds are shown below

inotifywait_bin_android.zip

md5sum [55BF0FD8365A4139D679CE0D6A3A07B3]

Project set (*) -github

(*) The following works are included. When using, please comply with the license agreement of each software Inotify-tools Copyright: Rohan McGovern, Radu Voicil License: GPL version 2 icilas/inotify-tools/wiki/ GNU glibc POSIX regular expression functions (glibc-2.11.3 more) copyright owner: Free Software Foundation, Inc.

The following is an example of the output when the self-made application "HelloApp" is started with inotifywait recursively monitoring each directory of /data/cache/system.

<pre># ./inotifywait -r -m /data /cache /system</pre>
Setting up watches. Beware: since -r was given, this may take a while!
Watches established.
/system/framework/ ACCESS framework-res.apk
/system/framework/ ACCESS framework-res.apk
/data/app/ OPEN com.example.helloapp-1.apk
/data/app/ ACCESS com.example.helloapp-1.apk
/data/app/ ACCESS com.example.helloapp-1.apk
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/data/app/ ACCESS com.example.helloapp-1.apk
/system/fonts/ OPEN DroidSans-Bold.ttf
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/system/lib/hw/ ACCESS gralloc.default.so
/system/lib/hw/ ACCESS gralloc.default.so
/system/framework/ ACCESS framework-res.apk /system/framework/ ACCESS framework-res.apk
/data/app/ CLOSE_NOMRITE, CLOSE com.example.helloapp-1.apk

klab_gijutsu2 at 16:51 | Comments(0) | TrackBack(0) | Android | win

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