

CRIU run-time configuration

Adrian Reber <areber@redhat.com>

Linux Plumbers Conference 2016
November 1-4, Santa Fe, New Mexico, USA

criu.d

- ▶ Programs using CRIU usually hard code the call to CRIU
- ▶ Each option needs to be passed from the outside program to CRIU
- ▶ New options need code changes
- ▶ Proposal for a configuration directory
 - systemwide `/etc/criu.d/`
 - per user `$HOME/.criu.d/` - overrides systemwide

criu.d proposal

```
$ touch /etc/criu.d/no-tcp-established
$ touch /etc/criu.d/shell-job
$ cat /etc/criu.d/001.conf
shell-job=no|false|0
$ cat /etc/criu.d/100-runc-drop-in-file.conf
skip-in-flight=yes|true|1
```

Requires new command-line parser

- ▶ If it is possible to enable and disable options in the configuration file
- ▶ There needs to be the possibility to disable or enable the option on the command-line
- ▶ The current command line parser cannot negate options
 - `--shell-job`
 - `--no-shell-job`
- ▶ GIT's option parser can do that