Lucky CAT –
Crash All the Things!
Why Lucky CAT?

• You should do what you do best:
  • select targets, write custom fuzzers, ...
• You should not worry about ordinary tasks like
  • storing crashes, notification, visualization, ...
• Lucky CAT manages everything around the fuzzing
What does Lucky CAT offer?

- Easy deployment
- Scalability
- Easy integration (REST API)
- WebUI
- Some fuzzers/mutators/verifiers included
- Easy fuzzer/verifier integration
- Mail notification
• Project openly developed on github
  • git clone https://github.com/fkie-cad/LuckyCAT.git
• Execute start_cluster.sh
• Navigate to https://localhost:5000
DEMO TIME!
Future Work

- Automatic fuzzer configuration via REST
- Slave management
- Adding custom mutation engines
- Addition of VM manager for kernel fuzzing
- Integration with sister project FACT for continuous firmware fuzzing
- Wrappers around widely-used fuzzers
- Notification via Slack/IRC/...
- Let us know what would be interesting for you!
• Use it, fork it, fix it, contribute to it!
• Send feedback to firmware-security@fkie.fraunhofer.de
• Github: https://github.com/fkie-cad/LuckyCAT.git