

Debian in the Cloud



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Agenda

- Background
- Cloud Team
- Many {cloud,dog} Images
- Tools
- Work ongoing!





Me!



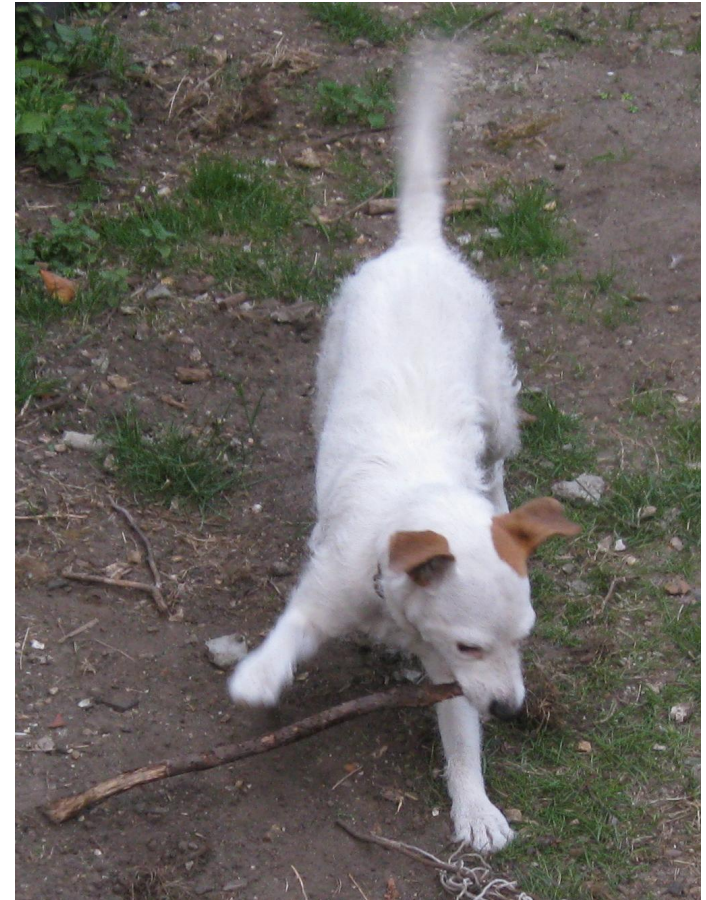
- Debian developer since 1996
- Debian Project Leader 2007-2009
- Debian ARM porter
- Debian CD images team lead



History

The Wild West?

- Popular, but...
- Unofficial images
- Massive proliferation of tools
- Security and Trust?
- Trademarks?



Meet the Team



2016 Cloud Sprint



2017 Cloud Sprint



Official Images



- Made by “Cloud Team”
- Built on Debian machines
- Tested
- Signed
- Trustable
- Agreed contents
- Published...

What's a Cloud Image?



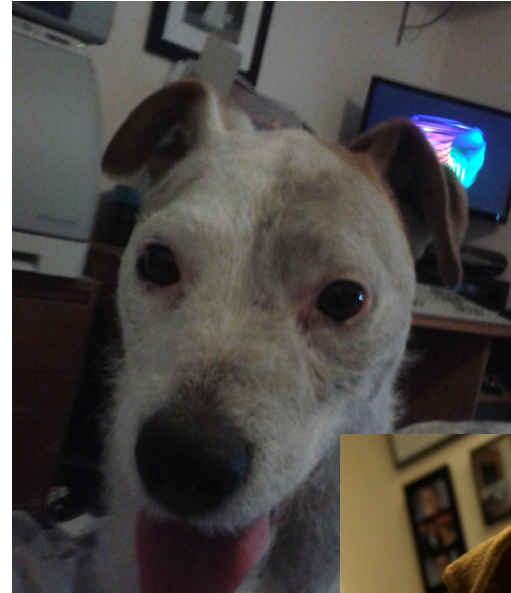
Everybody knows!

- It's a headless server image (except...)
- No user accounts (except...)
- Automatic updates (except...)
- Must include Vim!
 - Or emacs, less, rsync, ...



Common Images?

- Cloud-init
- Platform variations
 - Different networks
 - Different “hardware”
 - Different APIs
 - **Different :-)**
- Lots of images needed





Common Tool

- Build different images
- Config as common as possible
- Easy to extend
 - Multiple use cases
- Fully Automatic Installation (FAI)





Cloud Platforms



- AWS
- Azure
- Digital Ocean
- GCE
- Openstack
- *And more...*



Architectures

- Amd64
 - All platforms
- Arm64
 - Openstack only so far
- Power
 - *Maybe?*



Work ongoing

- Image production and publishing
- Test harness and test cases
- Documentation
- Collaboration is important





Questions?



Thanks to Soile Mottisenkangas for this photo!