MyGNUHealth
The GNUHealth PHR formobile devices and KDE desktops

Luis Falcon, MD
Agenda

● About GNU Health
  − Health informatics & Social Medicine
  − History of the project & community

● The GH ecosystem components
  − The GNU Health Federation and its components

● MyGNUHealth
  − The GH Personal Health Record

● MyGNUHealth technical infrastructure
  − Framework and integration w/ GH Federation

● Q&A
  − Questions and answers
About me

Luis Falcón
President, GNU Solidario
Author of GNU Health
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Education

- Computer Scientist
- Physician
- Genomics & Medical Genetics

Activism

- Social Medicine
- Animal Rights
- Libre Software
History of GNUHealth and Community
• GNU Solidario
  - Is the NGO behind GNUHealth
  - Non-for-profit organization
  - Works globally
  - Focused on Social Medicine

• Official GNU Project
  - GNUHealth is an official GNU project
  - Hosted at GNU Savannah by the FSF
  - Many mirrors around the World
  - International community
GNUHealth around the world
Social Medicine & Health Informatics
Official GNU Package

Official GNU project
Open Documentation
Relies on free technology
Friendly community
GNUHealth ecosystem components
GNUHealth HMIS component

MoH / Analytics
Hospital Management ERP
Electronic Health Record
Demographics / Social Medicine
MyGNUHealth: The Libre Personal Health Record

Empowering the person to be an **active member** in the **System of Health**
MyGNUHealth: Technology

- Python
- Qt for Python pyside2
- matplotlib
- KIRIGAMI
- TinyDB
- GnuPG
MyGNUHealth running on KDE Desktop
MyGNUHealth running on the PinePhone

Current development environment:

Hardware: PinePhone ("Braveheart")
OS: KDE Neon (https://neon.kde.org/)
KDE Plasma mobile
Qt5
Kirigami (set of QtQuick components)
GH Federation components and MyGNUHealth
MyGNUHealth nodes in the GH Federation

Highlights

Every person is a node

Realtime update with her health professional

Person is in control of what to share

Decrease the burden in the public health system

The person is now an active member in the public health system
GNUHealth in Medical Genetics and Cancer Research
Real-time observatory and reporting
MyGNUHealth

Misc

Development hosted at GNU.org
Mercurial (hg)
Savannah for tracking
Release 0.9 Beta in December 2020
Development docs at Wikibooks
GPL v3+
Questions: info@gnuhealth.org

TODO

Packaging
i18n
Testing
Security / Block device encryption / others
Connectivity with Open Hardware devices
Documentation
GNU Health Federation Community Hub

Community public server in Munich
Demo and test environment
Main Federation components:

* HMIS node and PgSQL
* Thalamus message server
* Person / Patient Master Index HIS
* openSUSE Leap OS

The GNU Health Federation Community Hub allows developers, health practitioners and research institutions from all over the world to learn, test and develop their nodes & integrate them in the Federated network.
www.gnuhealth.org

@gnuhealth

info@gnuhealth.org
Thank You