



Building an openSUSE- based home-studio with GeekosDAW



Agenda

- Brief history
 - The road to GeekosDAW
- Why use GNU/Linux for music-making?
 - Advantages and disadvantages
- Why use openSUSE for music-making?
 - Reliability, user-friendliness, reproducibility
- Enter GeekosDAW
 - Home-studio made easy
- Software showcase
 - Some of our picks
- Demo and QA

Team

- Giordano “Jo” Boschetti: **Founder** of the Geekos Italia and GeekosDAW projects. He is a heavy metal and hard rock guitarist with studio experience.
- Ivo Grimaldi: **Multimedia manager**. He is a member of the openSUSE board who collaborates with the openSUSE Doc project and a pianist/keyboardist who makes EDM.
- Fabio Pesari: **Maintainer**. He is a libre software advocate/developer and a church guitarist who enjoys experimenting with electronic sounds.
- Konstantin Voinov, **Maintainer**. He is a system/network administrator who has been using GNU/Linux for decades as an audio workstation and is mainly interested in synths and guitar plugins.

Brief history

- GeekosDAW was started (more or less) in August 2019
- It is an offshot of Geekos Italia, an Italian openSUSE community, but is truly international
- It follows the footsteps of projects like KXStudio, AV Linux, Ubuntu Studio, JackLab
- It owes a lot to the existing community of free/libre and open source developers and packagers

Why use GNU/Linux for music-making?

- Advantages
 - The four freedoms
 - Low-budget
 - Low-latency
- Disadvantages
 - Not all software vendors care about GNU/Linux
 - Not all hardware vendors care about GNU/Linux

Why use openSUSE for music-making?

- Reliability
 - openSUSE Leap is pretty stable!
- User-friendliness
 - openSUSE works out-of-the-box, yet allows deep customization (with and without YaST)
- Reproducibility
 - The openSUSE Build Service (OBS)

Enter GeekosDAW

- For GeekosDAW, users come first
- We try to get as many things working without any configuration as possible
- Patterns allows us to target specific types of user
- Everyone can contribute: just submit a package via OBS!

Software showcase

- We have a lot of programs which are ready for professional use
 - Ardour (<https://ardour.org/>)
 - Zyn-fusion (<https://zynaddsubfx.sourceforge.io/zyn-fusion.html>)
 - Surge (<https://surge-synthesizer.github.io/>)
 - Helm (<https://tytel.org/helm/>)
 - PureData (<https://puredata.info/>)
 - CALF Studio Gear (<https://calf-studio-gear.org/>)
 - EQ10Q (<http://eq10q.sourceforge.net/>)
 - Kapitonov tubeAmp (<https://kpp-tubeamp.com/>)
 - AVL Drumkits (<https://x42-plugins.com/x42/x42-avldrums>)
- If that's not enough, repo has over 280 packages, just pick one!

Demo and QA

Come visit us at:

Website: <https://geekosdaw.tuxfamily.org/>

OBS: <https://build.opensuse.org/project/show/home:geekositalia:daw>

Telegram (mostly Italian-speaking but we can adapt): <https://t.me/geekosdaw>

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Thank You



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