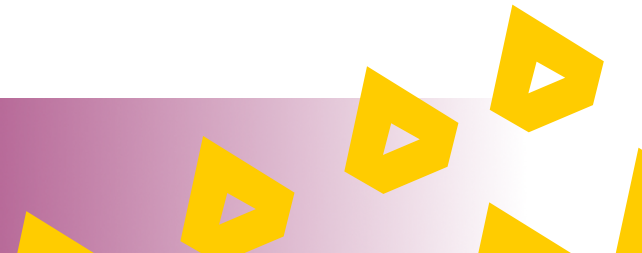
KDE Linux

Banana Growth Cycle

Bonjour!

My name is Harald

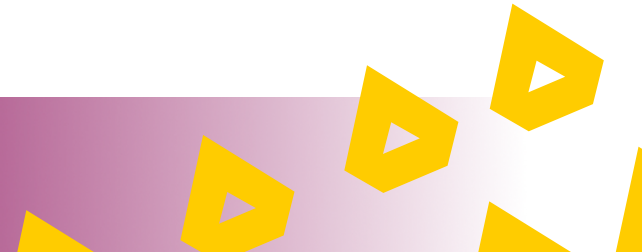
- KDE Developer
- DrKonqi, Dragon, Filelight, KinfoCenter...
- KDE Linux



Recap

2024

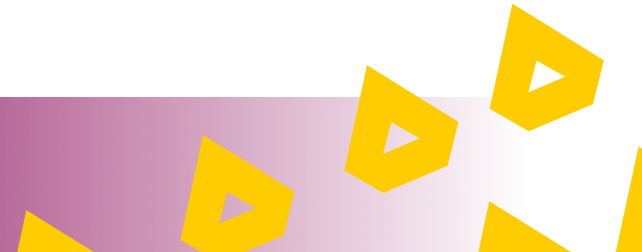
Project Banana
Akademy 2024
KDE Linux



KDE Linux

Project Banana

- Operating System made by KDE
- Next-generation technologies
- Reliable, immutable Core
- Easy rollback (self-healing)



Banana Growth Cycle

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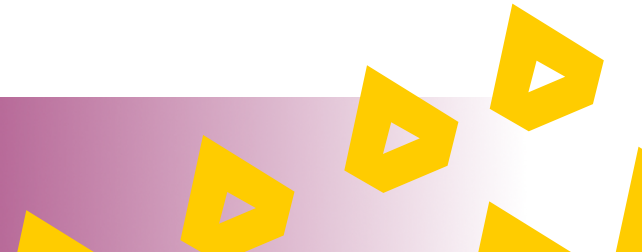
Bananas do not grow on trees!

They grow on KDE’s servers

Topics

Past
Present
Future



Planting

Akademy 2024

Reception

Lots of positive feedback

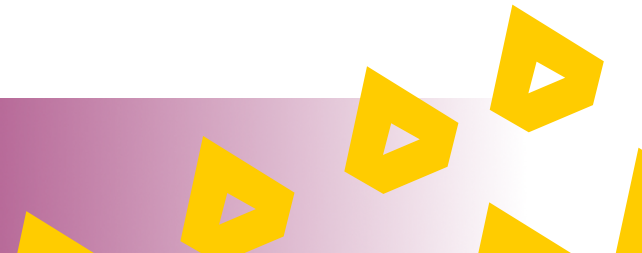
Spreading Leaves

and fly!

Initial Refactoring

Prototype was very proto

X11 was removed
Binary builds moved to own pipeline
Polish and refinement
Reduction in size



Flowering

Not sure what that would be in our context

Bloom

Oh it’s gorgeous!

Photo by Zeki Binici on Unsplash

All Hands on Deck

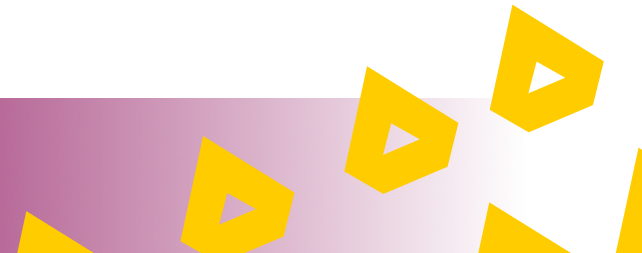
....

Contributors

Young and Old

Thanks to everyone who got engaged in development and testing early on.

Special Shout-out to
Hadi, Ian, Justin, Lasath, Nate, Ryan



Fruit Growth

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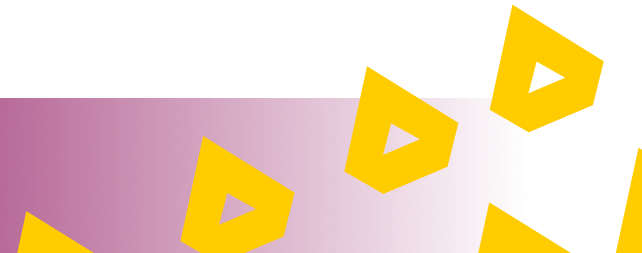
BTRFS + EROFS

RootFSv2

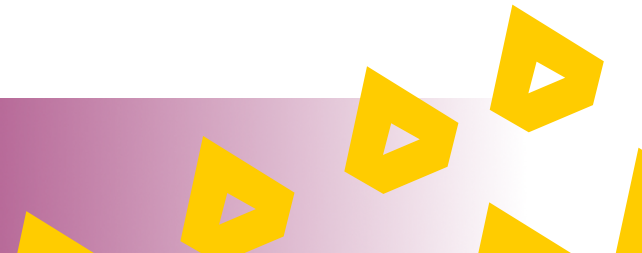
Simplicity is King
Part of the factory reset story



etc-factory

For when your etc is cluttered

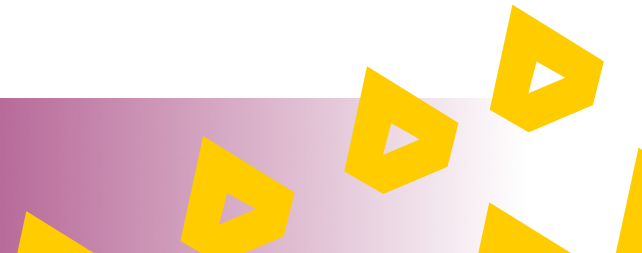
Clean /etc
Factory reset
Magic



Banana Split

Epochs for our update system

🍌 + 🍌 = ?



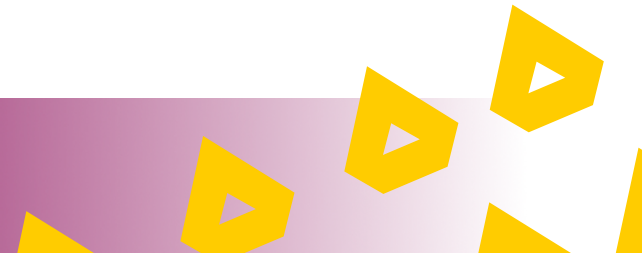
Bagging

...

Freeze

Never run a changing system

No blemishes on my Bananas!



Harvest

Today

...

...

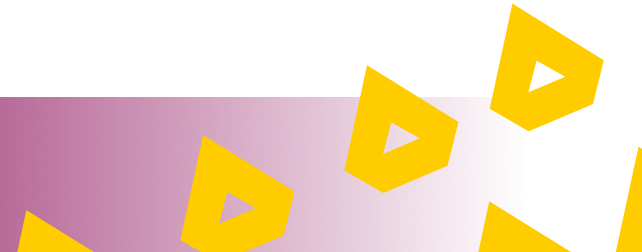
...

KDE Linux
Alpha

Website

Got leaked a bit early

KDELinux.org



Ripening

We are not done yet!

The Banana is still very green

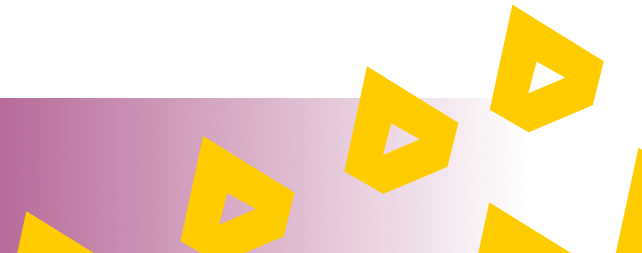
What you can expect

Daily builds
Git builds
Flatpaks
Confident updating

Update Delta Download

We’re gonna have to go right to - Ludicrous Speed!

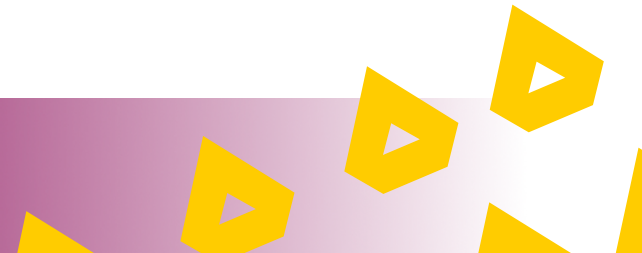
- Downloads get split into chunks
- Doesn’t download chunks you already have
- Speeds of some multiple GiB/s



Local Link Updates

Borrow some chunks from your neighbor

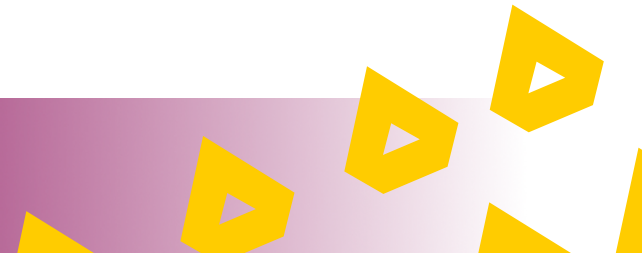
- Local network download sharing
- Only one machine needs to download
- About as fast as your local network



Bananapak

Exploring the limits of flatpak

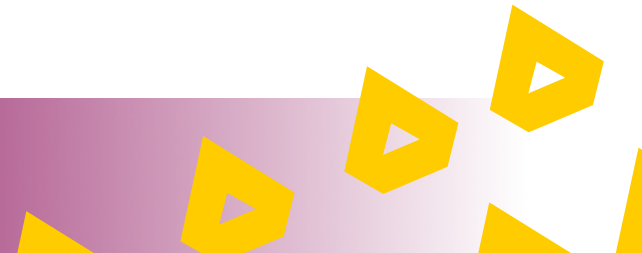
What if we removed the sandbox?



Obstsalat 🍇🍈🍉🍊

Means Fruit Salad

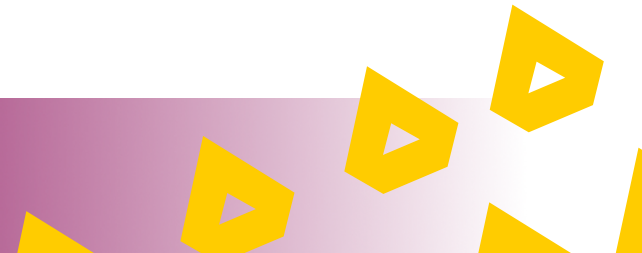
Many pieces
Not directly OS work, but mission critical



We Need You!

Buy it, use it, break it, fix it.

This needs to be a product by us, but also for us



Birds of a Feather Flock Together

A banana a day keeps Harald busy or something

Monday 14:00: Obstsalat 🍇🍈🍉🍊

Tuesday 14:00: KDE Linux 🍌🐧

Thursday 14:30: Overflow 🧃

Daft Code

Live most Sundays at 18 CE(S)T

twitch.tv/daft_code

Help us Shape the Future

Join now and get a free banana!

THANK YOU