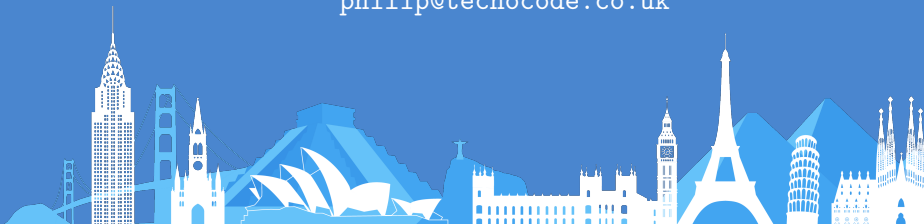


The  GNOME™ Conference  
**GUADDEC**

Parental controls in GNOME

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# Motivation

- 👉 User feedback
- 👉 Growth of flathub

# What do parental controls do?

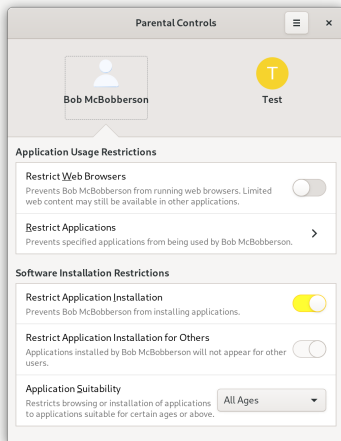


Figure: The Parental Controls app

# What supports parental controls?

- 🐾 gnome-shell
- 🐾 flatpak
- 🐾 gnome-software
- 🐾 gnome-control-center
- 🐾 gnome-initial-setup

# Initial setup

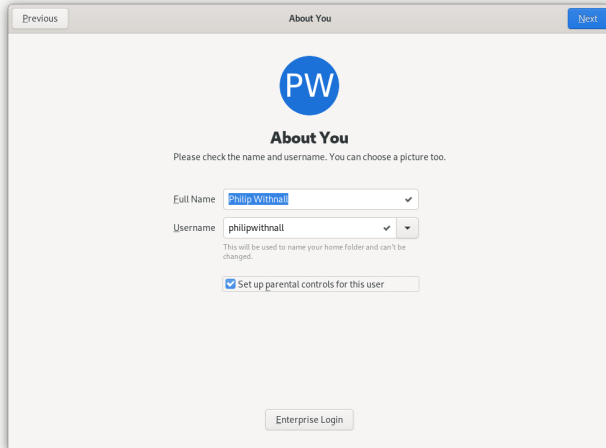


Figure: Choosing to enable parental controls in gnome-initial-setup

# Initial setup

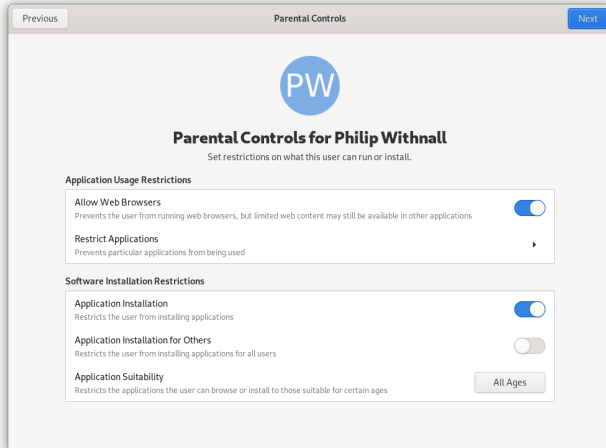


Figure: Setting initial parent controls for a non-admin user in gnome-initial-setup

# Initial setup

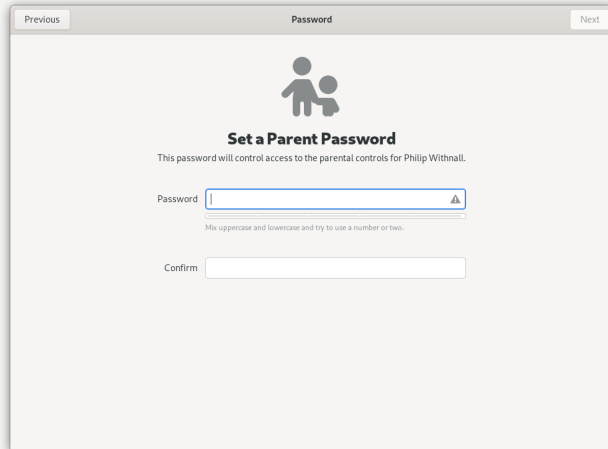


Figure: Setting a parent password in gnome-initial-setup

# What's the uptake?

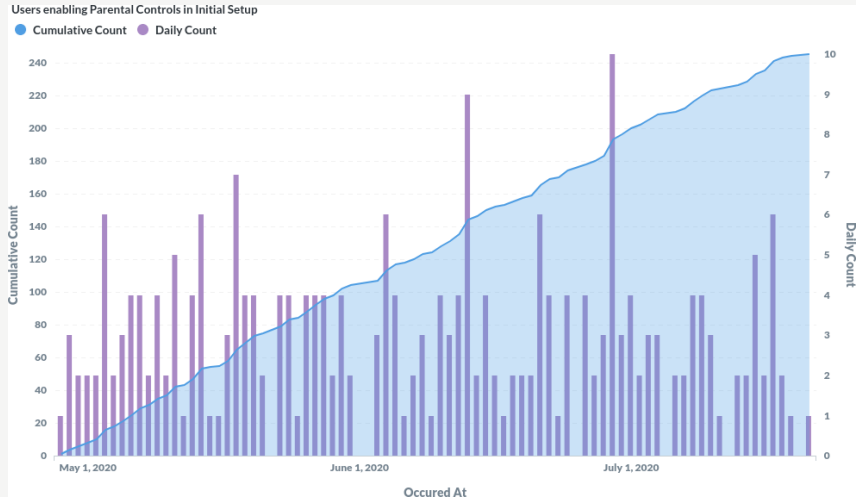


Figure: Uptake of parental controls since EOS 3.8 was released



## How do parental controls work?

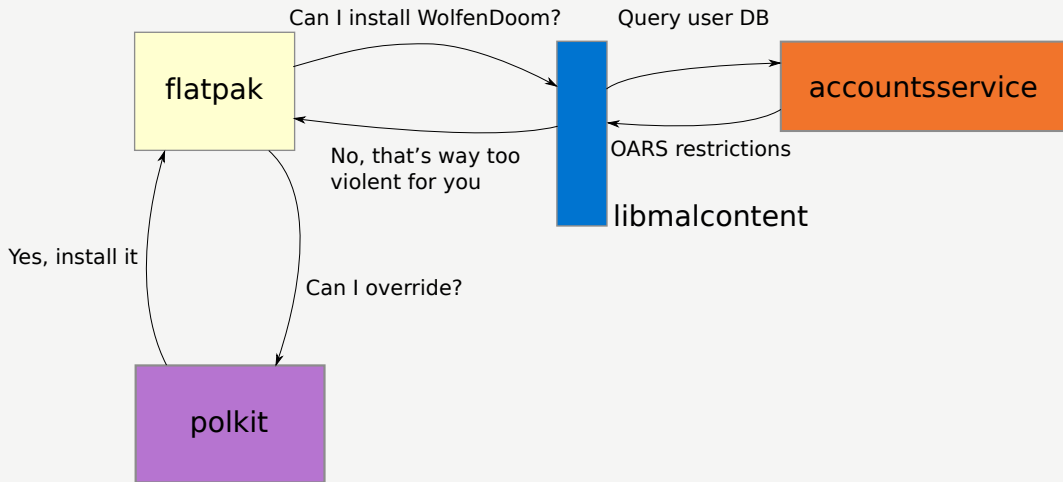


Figure: Parental controls architecture (restricting installation)

## How do parental controls work?

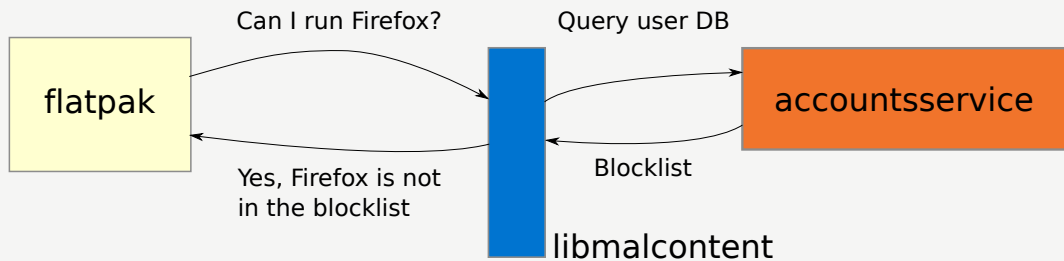


Figure: Parental controls architecture (restricting installed apps)

## How can I integrate my app with parental controls?

Add OARS data to your appstream:

`https://hughsie.github.io/oars/`

## How can I integrate my app with parental controls?

```
<content_rating type="oars-1.1">
  <content_attribute id="violence-cartoon">moderate</content_attr
  <content_attribute id="violence-fantasy">moderate</content_attr
  <content_attribute id="social-chat">intense</content_attribute>
  <content_attribute id="social-info">intense</content_attribute>
  <content_attribute id="social-audio">none</content_attribute>
  <content_attribute id="social-location">none</content_attribute>
  <content_attribute id="social-contacts">none</content_attribute>
  <content_attribute id="money-purchasing">intense</content_attrib
  <content_attribute id="money-gambling">none</content_attribute>
</content_rating>
```

## How can I integrate my app with parental controls?

Use libmalcontent to implement internal filtering

Example code: `https://gitlab.freedesktop.org/pwithnall/malcontent/-/tree/master/malcontent-client`

## How can I enable parental controls in my distro?

Compile everything with `libmalcontent` support

Ensure all your apps have OARS metadata, and `gnome-software` can access it

## What about the future?

- 🐾 Digital wellbeing
- 🐾 Screen time
- 🐾 Time limited sessions

# Screen time mockups

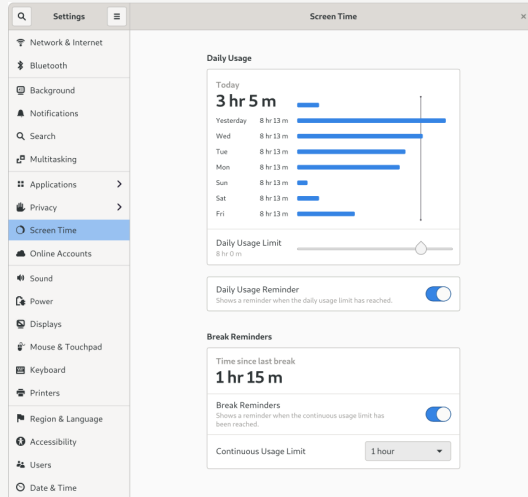


Figure: Screen time mockup (Allan Day)



## Miscellany

Slide source <https://gitlab.com/pwithnall/guadec-parental-controls-presentation-2020>

malcontent project <https://gitlab.freedesktop.org/pwithnall/malcontent>



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Beamer theme: <https://gitlab.gnome.org/GNOME/presentation-templates/tree/master/GUADEC/2020>