YouTube Presentation

Setting up
LittleBrother 0.3.1 (Rev 67)
on
Ubuntu 19.3

https://github.com/marcus67/little_brother

What is LittleBrother?

- Debian Tool to monitor and limit login time of users on Linux Clusters (or single hosts)

- Should run on most Debian-based distributions

- Permitted login times can be set individually for each user according to schedules

- Remote administration possible through web interface

- Support for 11 languages

Agenda

- Describe Setup of Demo System

- Install the Debian Package

- Changes in Configuration File

- Start the Application

- Show Web Frontend

Agenda

- Describe Setup of Target System

- Install the Debian Package

- Changes in Configuration File

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Setup of the Target System
My System

- Gnome Boxes

- Ubuntu Version 19.3 Virtual Machine

- Ubuntu Packages
  - `mate` (Desktop)
  - `lightdm` (Desktop Manager)

- Two users „`leon`" and „`christoph`"

Agenda

- Describe Setup of Target System
- Install the Debian Package
- Changes in Configuration File
- Start the Application
- Show Web Frontend

Installing the Debian Package

- Download from master directory on SourceForge:

  `https://sourceforge.net/projects/little-brother/files/master/`

- Install package

  `dpkg -i PACKAGE.deb`

- Fix dependencies

  `apt-get install -f`

Agenda

- Describe Setup of Target System

- Install the Debian Package

- Changes in Configuration File

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Configuration File

- *Location /etc/little-brother/little-brother.config*
- Relevant Section for the password setup:

```
[StatusServer]
# Set IP address that the webserver will listen to. Default: 0.0.0.0, hence it will listen to all local interfaces.
#host=localhost
# Set the port number, the webserver will listen to. Default: None, hence the webserver will not be started.
port=5555
# Set a unique secret which will be used to generate HTML cookies
app_secret=SOME_OTHER_LONG_AND_SECRET_TOKEN
# Set a prefix for all web pages of the application. Default: None, which implies no prefix at all
#proxy_prefix=/LittleBrother
[UnixUserHandler]
# Set the name of the administration user
admin_username=admin
# Set the password for the administration user
admin_password=test123
```

Agenda

- Describe Setup of Target System

- Install the Debian Package

- Take a Look at the Configuration File

- Start the Application

- Show Web Frontend

Starting the Application

- Start the service

  ```
  systemctl start little-brother
  ```

- Check the logfile

  ```
  /var/log/little-brother/LittleBrother.log
  ```

Agenda

- Describe Setup of Target System

- Install the Debian Package

- Describe Configuration File

- Start the Application

- Show Web Frontend

Showing the Web Frontend

- Use browser to open web frontend

  `http://localhost:5555/`

- Add a user

- Define a rule for that user

- Test if user is correctly logged out

Thank You for Watching!

- Visit LittleBrother at
  - https://github.com/marcus67/little_brother
  - https://www.facebook.com/littlebrotherdebian

- Send mail to
  - little-brother@web.de