LIBRARY BOX

An Infopeople Webinar
LibraryBox for Libraries

November 12, 2014

Portable
Private
Digital
Distribution

Open Source
+
Commodity Hardware

History

LibraryBox v1

LibraryBox v1.5

Building a LibraryBox v1.5

- ❖ Flash MR3020 with OpenWRT
- ❖ Install Piratebox 0.3.2
- ❖ Run LibraryBox install from USB drive

LibraryBox v2.0

- ❖ Statistics
- ❖ Even easier installation
- ❖ More responsive/mobile friendly
- ❖ Easily customized landing page
- ❖ More hardware choices
- ❖ Alternative power

KICKSTARTER

Funding progress

Funding progress

Funding progress

Funding progress

LibraryBox v2.1

Knight Foundation
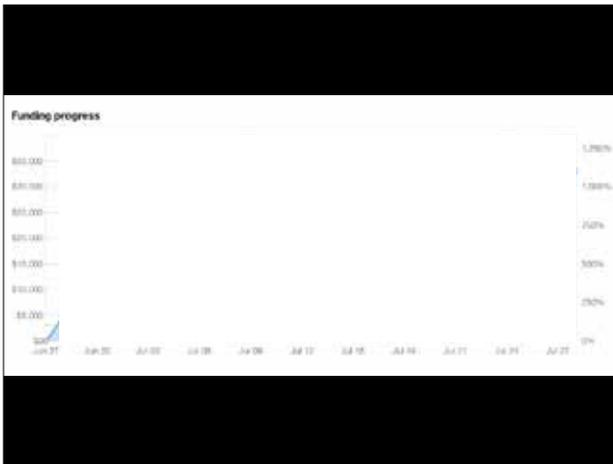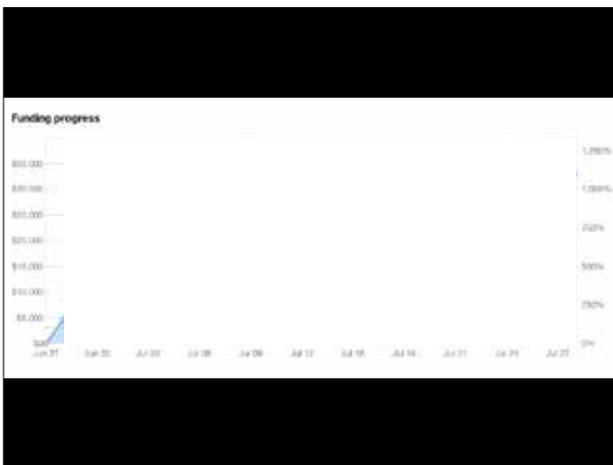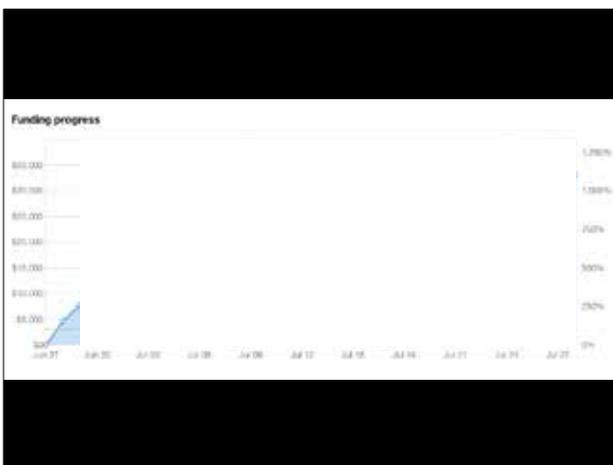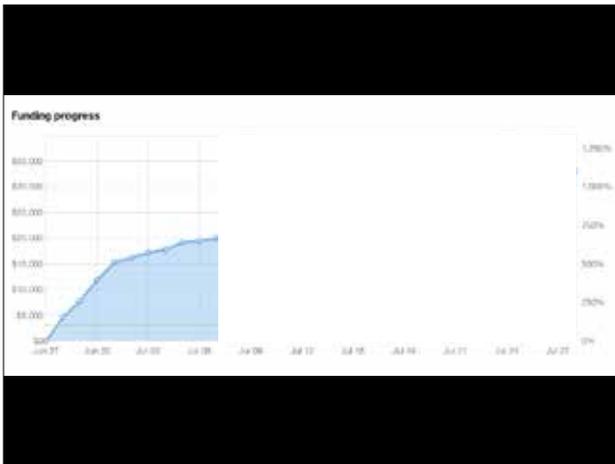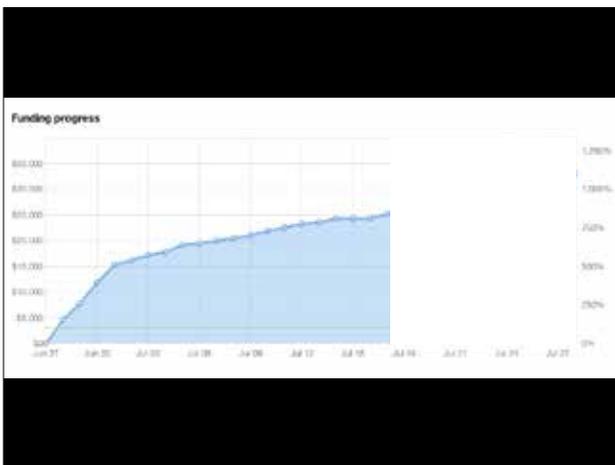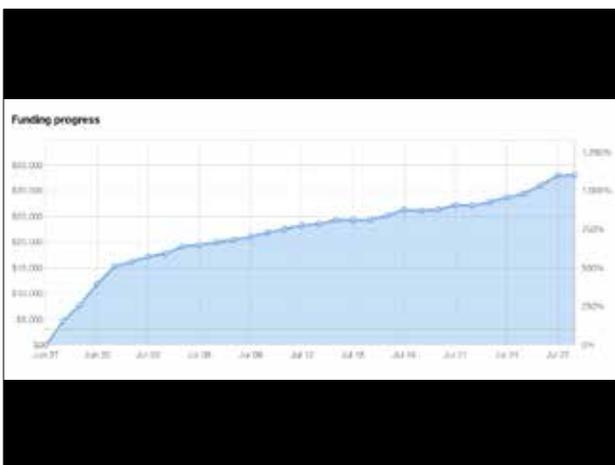
Localization/Internationalization

Open Hardware

Server-Side Media Rendering

English	Norwegian
French	Korean
Swahili	German
Swedish	Italian
Spanish	Portuguese

Media Rendering

Building Your Own

The Librarybox Project

Building Your Own LibraryBox v2.0...

Equipment Needed

Step One: Download & Install LibraryBox

Set Password

Optional: FTP, Sync, & Advanced Setup

Upgrading from an older version?
Have a problem along the way?

http://librarybox.us/building.php

TP-Link

MR3020
MR3040
MR703n
WR842n
MR10u
MR13u

USB Thumb Drive
Formatted to FAT32

❖ Download OpenWRT file

❖ Download LibraryBox Installer

❖ Plug router into computer via Ethernet

❖ Launch browser, and go to 192.168.0.254

❖ admin/admin

❖ Update Firmware

Security

- ❖ telnet 192.168.1.1
- ❖ box_init_setup.sh
- ❖ Press 1
- ❖ choose strong password
- ❖ after setting password, you SSH into box as root: root@192.168.1.1

Customizing Website

Welcome to LibraryBox v2.1

Top Downloads

Chat

Anonymous

Send

About LibraryBox

Thanks

Statistics

View download and visitor statistics

Kickstarter Backers

LibraryBox Downloads

Below are download statistics and user counts for this LibraryBox.

User Counts

November 3, 2014 → 2

Content Downloads

Bram Stoker - Dracula.epub
1 download(s)

Name
- apply_config.log
- ▶ external_fs
- ▶ install
- install.log
- ▶ LibraryBox
- openwrt-ar71xx-ge...quashfs-factory.bin

Name
- ▶ board
- ▶ Config
- ▶ Content
- pbIMG_ws.img
- ▶ Shared
- ▶ tmp

Name
- LibraryBox v2.0 Container Top.stl
- LibraryBox v2.0 Container.stl
- ▶ css
- ▶ dir-images
- ▶ fonts
- ▶ img
- ▶ js
- ▶ locales
- about.html
- index.html
- stats.html
- dl_statistics.html.php
- vc_statistics.html.php
- gpl-2.0.txt
- favicon.ico

```
# English translation
# vim: ft=jproperties

commonNavbarToggle = Toggle navigation
commonNavbarHome = Home
commonNavbarText = Text
commonNavbarAudio = Audio
commonNavbarVideo = Video
commonNavbarApps = Apps
commonNavbarAll = All Content
commonNavbarStats = Statistics
commonNavbarAbout = About
commonFooterBackToTop = Back to top
```

```
# French translation
# vim: ft=jproperties

commonNavbarToggle = Basculer la navigation
commonNavbarHome=Accueil
commonNavbarText = Texte
commonNavbarAudio = Audio
commonNavbarVideo = Vidéo
commonNavbarApps = Applications
commonNavbarAll = Tout le contenu
commonNavbarStats = Statistiques
commonNavbarAbout = À propos
commonFooterBackToTop = Vers le haut
```

Other Customizations

Config Files

channel.txt
hostname.txt
librarybox_ftp.txt
librarybox_ftpadmin.txt
librarybox_ftpanon.txt
librarybox_ftpsync.txt
librarybox_ftpsyncport.txt
librarybox_shoutbox.txt
ssid.txt
system_hostname.txt
txpower.txt

channel.txt = Wifi Channel [1-11 in the US]
hostname.txt = LAN Hostname
librarybox_shoutbox.txt = Yes/No
ssid.txt = Wifi Name
txpower.txt = Broadcast power [20-30]

FTP Access

❖ SSH into your LibraryBox [ssh root@192.168.1.1]

❖ box_init_setup.sh

❖ Press 3 for FTP setup

❖ Enable FTP [Choice 1]

❖ Set Admin Password [Choice 6]

```
                Choose an option: 3
---------------------------------------------
                Current configuration:
---------------------------------------------
    FTP enabled              : yes
    Admin access             : yes
    Special SYNC access      : yes
    SYNC Port                : 54321
    Anonymous login possible : no

    FTP Synchronisation active : no
    FTP Sync hostname          : empty
    FTP Sync password          : empty

---------------------------------------------
        1 -  Enable / Disable FTP
        2 -  Enable / Disable Admin Access
        3 -  Enable / Disable Sync Master
        4 -  Enable / Disable Anonymous Access
        5 -  Set password for Sync Master
        6 -  Set password for Admin Access

        7 -  Enable Sync Client
        8 -     Client host
        9 -     Client password

    Enter h and a number for help about the topic. For example, h8 for Client host help
                Every other button is a clean exit.
```

FTP
192.168.1.1
Username: nobody

Password: *********

Master/Client Sync

Community

Daniel
@ycpdan

All the parts ready to try @LibraryBoxen @alaannual #alaac14 pic.twitter.com/Qt0cZgVP4C

June 18, 2014 at 1:46 PM
via Twitter for iPhone

David Lee King
@davidleeking

Just found a @LibraryBoxen sign at Fulton county public library in Indiana - coolness, @griffey ! pic.twitter.com/9ZF6NOl4hV
Rochester, IN

September 10, 2014 at 11:02 AM
via Tweetbot for iOS

WCCLS Libraries
@wccls

Come to @BeavertonLib tonight, connect to this @LibraryBoxen, and download Cory @doctorow's e-books! #wcclsreads pic.twitter.com/QRcWjvcOsW
Beaverton, OR

July 8, 2014 at 8:32 PM
via Twitter for iPhone

Partnerships

Growth

27 US States

28 Countries

6 Continents

Next Steps

LIBRARY BOX

http://librarybox.us

Jason Griffey

Email: griffey@gmail.com

Site: jasongriffey.net

gVoice: 423-443-4770

Twitter: @griffey

http://librarybox.us

http://pinboard.in/u:griffey/

Head of Library Information Technology
University of Tennessee at Chattanooga

Survey and Certificate of Attendance

Please take a minute and fill out our webinar survey. You will find in at:

https://www.surveymonkey.com/s/7ZP77DF

Infopeople *helping libraries think differently*