How we are fixing the World Internet In A Box (IIAB)



Volunteer – Retired after 40 years in IT

Working with IIAB Developers & Global Community

People who make it possible to share World's free & open source knowledge







Objectives

- What is IIAB?
- How to build an e-Learning Centre for Remote Communities who do not have any Internet Access
- What does IIAB Deliver?
- Show how simple it is do build and use IIAB
- Create some Interest so that we can get people to contribute to the IIAB Development

My Profile

- Volunteer supporting several Charities working in sub-Sahara Africa
- One example Turing Trust (https://turingtrust.co.uk/)
- working in Malawi (created to promote the legacy of Alan Turing
 - pioneer of modern day computing)



• IT Professional & Technician — Retired now after a long career - now is the time to give something back by joining the Global Open Source Community

IIAB

 You Tube Video https://www.youtube.com/watch?v=S79H7vYRMuM

 Git Hub Repository and Release Notes https://github.com/iiab/iiab/wiki/IIAB-7.2-Release-Notes

- Use any popular Linux Platform
- Run the One line Build Script curl d.iiab.io/install.txt | sudo bash
- Note: Static Content, mainly as Educational & Reference Material served up locally in a safe way
- How you can contribute http://internet-in-a-box.org/pages/contributing.html

What is an e-Learning Centre?

- ICT facility using the concept of Internet In A Box (IIAB)
- Built using computers such as Raspberry Pls, Refurbished Desktops, Laptops and Tablets
- Uses re-cycled items like monitors, keyboards, mice, head phones, home Routers items that may end up as e-Waste
- A Local Area Network with Desktops and Servers all using Open Source Software no licence costs
- Designed for schools and clinics for Communities who do not have access to traditional Internet Services
- Users can access the latest digital content in a safe & self contained environment no usage costs
- Can be viewed as a Virtual Library and Classroom with thousands of electronic books and videos which can be used for teaching, self learning and doing research



1. Items Donated in UK

Example of Re-Cycling for Malawi



2. Re-furbished by volunteers in UK



4. Container made into Solar Powered e-Learning Centre in Malawi



3. Shipped in a container to Malawi



E-Learning Centres in Africa



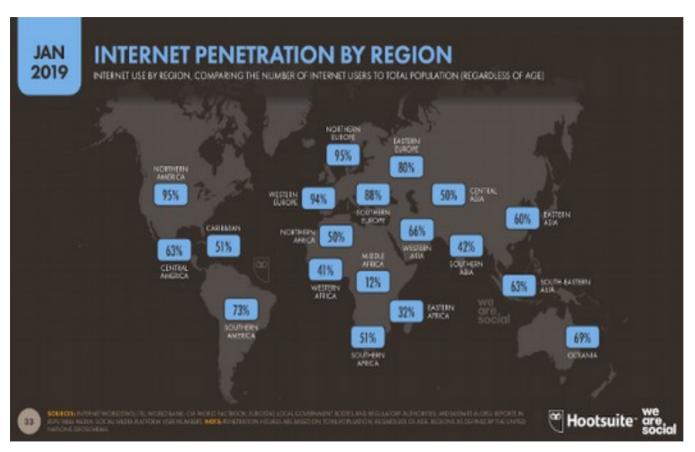




Use built-in WIFI on PI3B+ or External Router as Access Point with SSID & password PI3B+ with Server on **External SDD** IP address 192.168.0.100 IIAB 192.168.0.xx Router provides the WIFI hotspot and Switch provides the logical LAN Ethernet ports e.g. 192.168.0.xx. WIFI clients connect to Ethernet Ethernet WIFI Router SSID Clients Clients Clients with password All clients use a Browser and type the IP address of the server e.g. 192.168.0.100 Chrome, Chromium

Firefox work the best

Availability of the Internet



Note: Sub-Sahara Africa Is only 12%

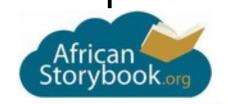
Many communities do not even have Grid Power

IIAB fills a gap in a small way

IIAB Delivers Multi-language Content – Few Examples























Questions?

Contact me at

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