

YUMI

Multiboot USB Creator for Windows



INTRODUCTION

This training document will provide a brief tutorial on the installation and use of YUMI. **Your Universal Multiboot Installer** (YUMI) is one of the newest successors to MultibootISOs. This extremely useful program can be used for utilities, antivirus, diagnostic tools, disc cloning and multiple operating systems. YUMI uses **syslinux** to boot the distributions stored on the USB device and reverts to the *grub* boot loader if necessary. The following sections will orientate new users to the setup and use of YUMI.

Goal: Introduce students to setup, configuration and uses of YUMI

Audience: Computer Information Technology and Networking Technology students

Prerequisites: Users should have a basic understanding of; Windows 7, USB drives, downloading and installing a program and setting the computer boot from the USB drive

Objectives: Upon completion of this training, students will have the skills to use YUMI to perform the following:

- Download and open YUMI on a Windows 7 computer
- Navigate through the YUMI interface to choose the USB drive, pick the ISO to download and install the program to YUMI and the USB drive
- Configure the computer to boot from the USB drive
- Understand and navigate the YUMI interface
- Run an operating system and utility from YUMI

Primary Performance Measure: Understanding of using and configuring YUMI by running an operating system and utility with minimal difficulty

Required Materials: Windows 7 PC, USB drive at 4GB minimum (8 GB recommended) and an internet connection



DOWNLOADING AND INSTALLATION

DOWNLOADING YUMI

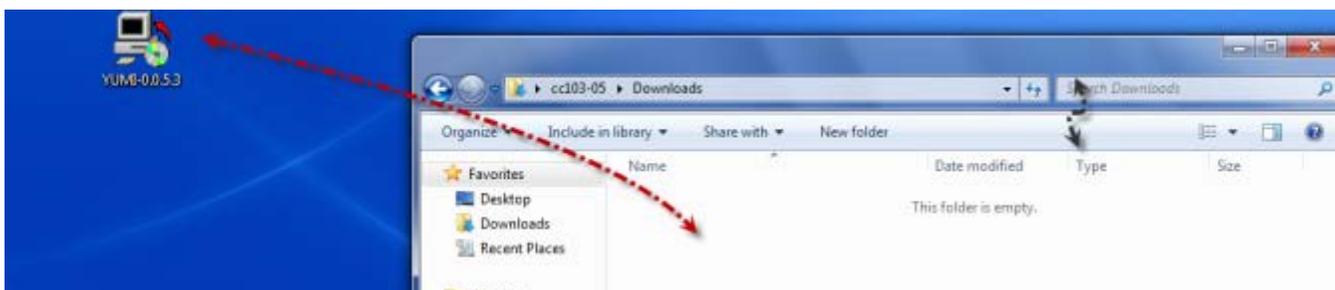


Open a web browser and type in pendrivelinux.com in the address bar.

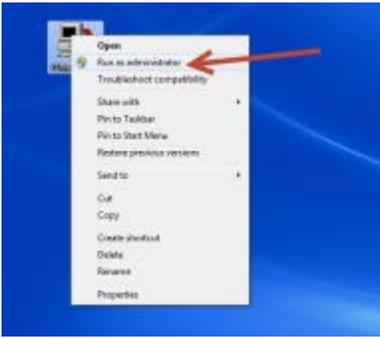


Click on the "DOWNLOAD" button and click save.

YUMI INSTALLATION



Open the Downloads folder and drag the "YUMI-0.0.5.3" file to the desktop.



Right click on the file and choose "Run As Administrator."



Click on the "I Agree" button.

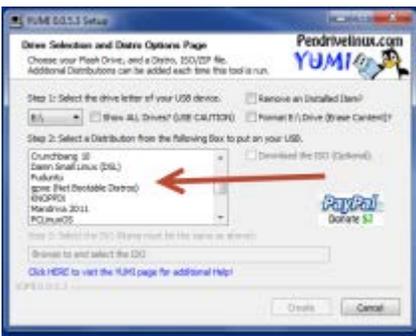


The YUMI interface



Click on the drop down to choose the "Drive Letter" of your USB drive.

INSTALLATION OF PROGRAMS AND ISOs



This column contains all of the operating systems and utilities.



Choose "Kon-Boot Floppy Drive."



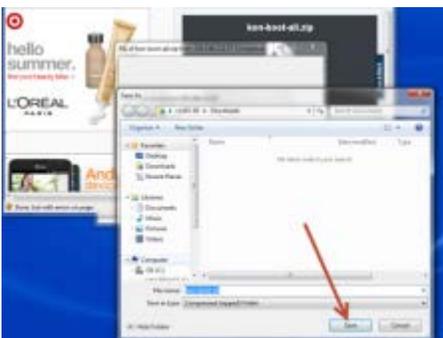
Click on the "Opted to Download the Zip" checkbox. Click the "Yes" button to download the link.



Click on the "Download" button.



Click on the "Save" button in the File Download dialog box.



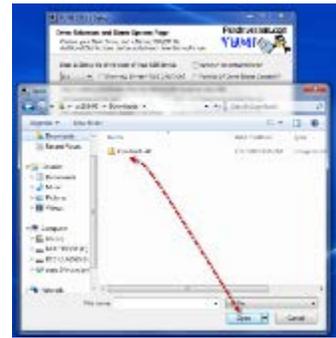
Click the "Save" button to save in the Downloads folder.



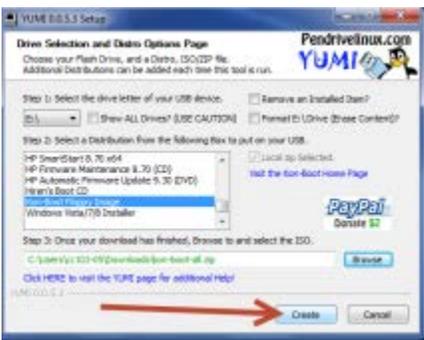
Click the "Close" button once the "Download Complete" shows.



Click on the "Browse" button.



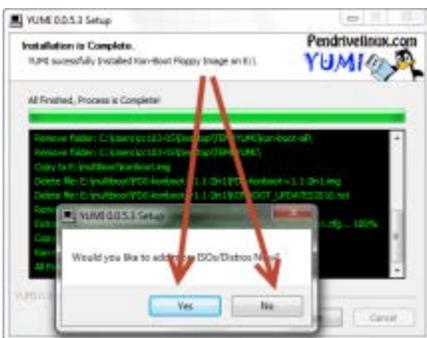
Navigate to the "Download" folder; highlight the "kon-boot-all" and click "Open."



Click the "Create" button.



Monitor the Progress bar, and click "Next" button when completed



Click the "Yes" button to add another program or the "No" button to close YUMI.



to install another program the user must choose the three areas shown To download and install another Program or Operating System.

***** We are going to go through the same steps (except downloading) and install "BackBox" Linux forensic operating system before testing the booting process. *****

BOOTING THE YUMI DRIVE

Konboot - is an application which will silently bypass the authentication process of Windows based operating systems.

1. Close all programs and remove any USB drives except the one with YUMI and your programs.
2. Click "Start", hover over the arrow beside the "Shut Down" button and choose "Restart".
3. Once the computer restarts, press the "F12" key several time to get in to the "Boot Menu." Choose the "USB Storage Device" option and press "Enter."



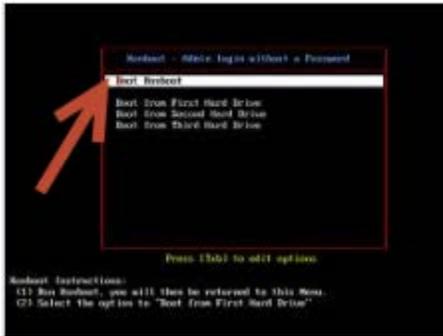
This is a sample of what the YUMI boot screen looks like. Yours will probably be different depending on what is installed on your YUMI.

4.



This screen shows a sample of the programs installed.

5. Click the "System Tools" line to see what tools or utilities are installed, you should only see "Kon-Boot" installed. Click on "Kon-Boot" to start the utility.



6.

Choose the "Run Konboot" option on the next screen.



7.

The next screen is the "Kryptos Logic" screen; press "Enter" to continue.

8. Once "Konboot" has finished running the program will return you to the initial "Konboot" screen, choose the option "Continue to boot from first HD."
9. At the "Dell" splash screen press "F12" to choose the boot option and choose to boot "SATA: WDC WP3200AAKX-753CA1."
10. At the Windows login screen press the "Enter" key and the PC will boot directly into Windows 7 without having to use the password.

BackBox - is the perfect security solution; providing pen-testing, incident response, computer forensics, and intelligence gathering tools.

1. Follow the above procedures until the YUMI boot screen appears. Choose "Directly Bootable ISOs" from the menu and then click on BackBox to boot.



2. This is a sample screenshot of BackBox Linux.



SUMMARY

What will YUMI be able to do for you? Will YUMI be a tool or interest that you will ever use? The best things about YUMI are the flexibility of the applications, streamlined productivity and a great arsenal to add to your IT toolkit.

The diverse selection of software that can be utilized in YUMI should appeal to any and all computer users, professional and non-professional. The choice of distributions of Linux, utilities and tools will allow each user to design a bootable array of software base on interests and needs.

The large and diverse utilities and system tools that can be used with YUMI will help to decrease the amount of time to diagnose and repair problems with operating systems and decrease setup time for computers. Increased productivity will result in better operations and financial returns.

Fixing a PC problem small or large becomes easier with an arsenal of tools and utilities that can be carried on a flash drive. YUMI makes assembling and using the tools and utilities a simple three step process. An IT or repair professional will always have a great toolkit in their pocket with YUMI.

LINKS

YUMI

<http://www.pendrivelinux.com/yumi-multiboot-usb-creator/>

Konboot

- Install
<http://www.youtube.com/watch?v=Ldyseu9IU00>
- Buy
<http://www.piotrbania.com/all/kon-boot/>

BackBox Linux

- Homepage
<http://www.backbox.org/>

Please complete the web-based survey in Moodle. Thanks in advance for your feedback; it will help us improve future training sessions.