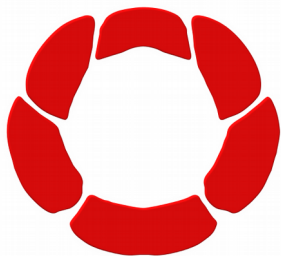# FOSS & Chitwanix

Arun Kumar Pariyar

About Me

A System freak who is passionate in Free and Open Source Technologies. Computer Science and Information Technology student with interests in linux systems, web technologies, cycling and doing experiments.

I am working on

Arun Kumar Pariyar (**Arun Pyasi**)

Project Lead Dev, Chitwanix OS
Activist, FOSS Nepal Community
Exec. Member, CSITAN Chitwan

FOSS = Free Softwares + Open Source Softwares

INTRODUCTION TO FOSS

The Free Software Definition written by Richard Stallman and published by Free Software Foundation (FSF), defines free software as being software that ensures that the end users have freedom in using, studying, sharing and modifying that software. The term "free" is used in the sense of "free speech," not of "free of charge. **- *Wikipedia***

Open source software (OSS) is computer software with its source code made available with a license in which the copyright holder provides the rights to study, change, and distribute the software to anyone and for any purpose. - ***Wikipedia***

FREEDOM TO –

i. run the program, for any purpose.

ii. study how the program works and adapt it to your needs.

iii. improve/modify the program and release your improvements to the public.

iv. redistribute copies of the program/source code.

SOME POPULAR OPEN SOURCE LICENSES

- GNU General Public License (GPL)
- GNU Library/Lesser General Public License (LGPL)
- Apache License 2.0
- MIT license
- FreeBSD license
- Mozilla Public License 2.0
- Common Development and Distribution License
- Eclipse Public License

WHY PEOPLE LOVE FOSS ?

- Secure and Stable Softwares
- Helps to reduce Digital Divide
- Full on Customization
- Free or Low Cost
- Free for Freedom
- TBYB – Try Before you Buy
- Huge Strong Community Support
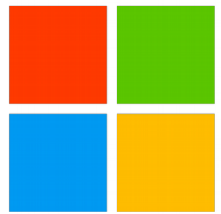- Open standards and vendor independence

Big Companies who loves and uses FOSS

WHO LOVES FOSS TECHNOLOGIES ??

Some Big Open Source Projects
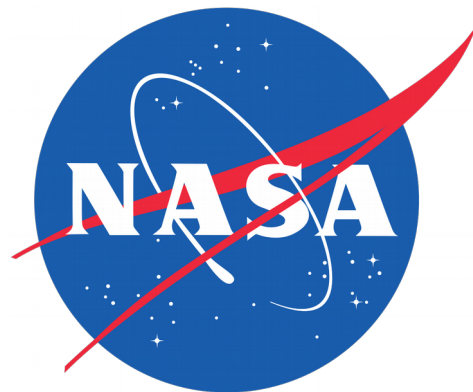
SOME POPULAR OPEN SOURCE PROJECTS
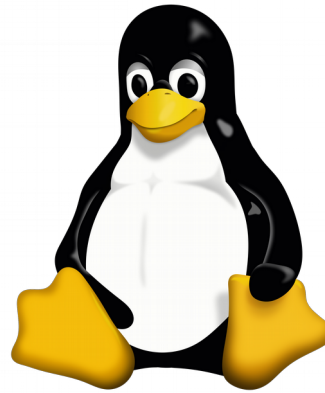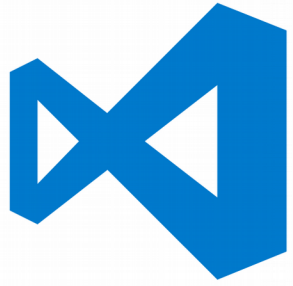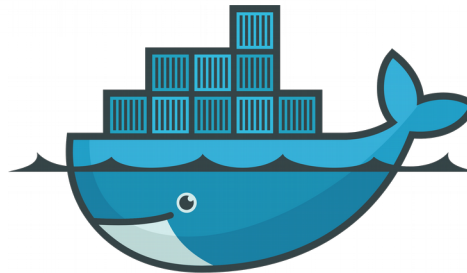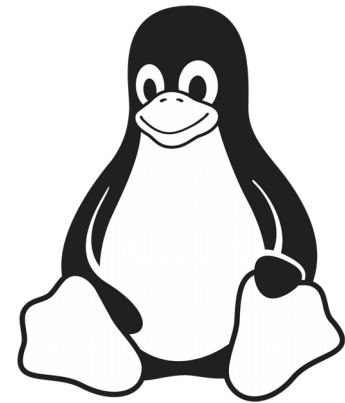
GNU/Linux = GNU (OS without kernel) + Linux (Kernel)

- FOSS Chitwan

- Chitwanix Community

- FOSS Birendra

- Indreni Open Source Club (IOSC)

- FOSS OCEM

- Lumbini Open Source Klub (LOSK)

- FOSS Gaindakot

- FOSS Madi

SOME FOSS EVENTS IN CHITWAN - 2017

- PyWorkshop 1.0 (Python3 workshop), CSITAN Chitwan.

- Software Freedom Day 2017, FOSS Chitwan with CSITAN Chitwan.

- Open Data Awareness Program, Open Knowledge Nepal.

- Linux SysAdmin Training, IOSC

- FOSS Awareness Program, FOSS Chitwan

- Linux and Chitwanix BootCamp, IOSC, LOSK and FOSS Chitwan

- WordPress Bootcamp, LOSK

- Open Presentation Competition, LOSK
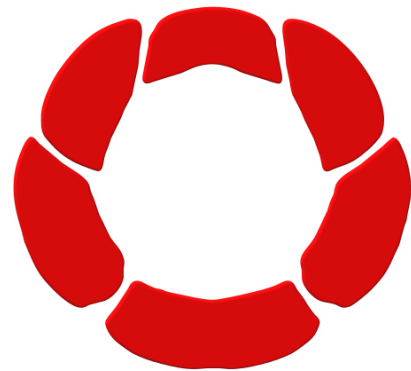
CHITWANIX OS

CHITWANIX OS

- Chitwanix OS is a **Free And Open Source Software(FOSS)** distribution of GNU/Linux Project.

- Historic project in Nepali ICT, the next milestone after Madan Puraskar Pustakalaya (MPP) created Nepalinux OS.

- Chitwanix OS is known as a good user friendly operating system for day to day use in Nepali Computing.

- It is free to download, free to share, free to modify and is free to distribute.

CHITWANIX RELEASES

- Initial startup version 1.0 "Kaade Vyakur" was released world-wide on 21st September, 2013 on the special occasion of Software Freedom Day (SFD 2013), hosted by FOSS Nepal Community, Kathmandu.

- The second release of the OS was released on 4th July, 2014.

Version	Codename	Date	Base System
1.0	Kaade Vyakur (Spinny Babbler)	21st September, 2013	Linux Mint
1.5	Khukuri (Gurkha Blade)	4th July , 2014	Ubuntu
2.0	??	Under dev	Debian

NOMENCLATURE

The codename of Chitwanix OS is and will be according to the Nepali Devanagari letters on ascending order like क (Ka), ख (Kha), ग (Ga) naming any words/name denoting Nepal and its Pride.

SN	Versions	Alphabet	Codename
1.	1.0	क	Kaade Vyakur (Spiny Babbler)
2.	1.5	ख	Khukuri (Gurkha Blade)
3.	2.0	ग	??

FACTS ON CHITWANIX

- Once Ranked 8th worldwide on DistroWatch.Org.

- Virus Free Operating System, No Anti-virus, serial key, activation Needed.

- Next Milestone after Nepalinux.

- Chitwanix was started as a hobby.

- 50000+ Free Softwares.

- Nepali apps and projects repository.

Page Hit Ranking		
Data span: Last 7 days		Refresh
Rank	**Distribution**	**H.P.D***
1	Mint	2119▼
2	Debian	1862▲
3	Zorin	1542▲
4	HandyLinux	1506▲
5	Ubuntu	1459▼
6	CentOS	1449▼
7	Mageia	1400▼
8	Chitwanix	1326▲
9	Fedora	1026▼
10	openSUSE	964▲

WHY CHITWANIX?

- FREE Operating System and thousands of FREE softwares.

- Helps to reduce the use of pirated Software for day to day computing.

- Secure and reliable computing for Nepal.

- Nepali projects and products included.

- Open-source business model suitable for Nepali industry will help create job.

- A platform for using and shipping Nepali softwares.

- Helps create certified professional and IT manpower.

- Localized distribution in Nepali language.

Features of Chitwanix OS 1.5

1.5 "KHUKURI" OUT OF THE BOX

- Sagarmatha 1.0.2 (Default Desktop Environment by Chitwanix) designed for better desktop experience.

- i386 architecture (32 bit) operating system, good for low-end machines.

- HTML5 Based Login Screen with MDM as Display Manager.

- Improved Artworks, UI, Mime, Drivers, Performance boost, Touch functionalities.

- Chitwanix Loadshedding App, Nepali Calendar and some awesome FOSS Nepal Community Projects.

- Stable Linux Kernel, updated and upgraded Software Packages and much more...

PACKAGES INCLUDED IN 1.5

Linux Kernel : Stable Kernel 3.11
Package Manager : Dpkg
Software Center : App Grid
Base System : Ubuntu Saucy
Update Method : apt-get
Init System Type : Upstart 1.10
Display Manager : MDM (Mdm Display Manager)

Major Packages Included are :-

- Mainstream : Sagarmatha, Chitwanix Driver Manager, Domain Blocker, UnetBootin, Chitwanix Update Manager, Nemo, Gparted, USB Image Writer and Formatter.

- Upstream : Firefox, GDebi, Anubad, eBarnamala, Qbasic, DOSBox, Nepali Calendar, Kelvin, Loadshedding App, GNS3 Simulator, Bitnami LAMP stack, K3B, ISO Master, VLC, WinFF Converter, Eclipse, BlueFish Editor, Filezilla, Thunderbird, Transmission, Gimp, Blender, HardInfo.

Full Pkgs list : https://distrowatch.com/resource/chitwanix/chitwanix-1.5.txt

Lets See Some Screenshots of Khukuri.

GRUB LOADER

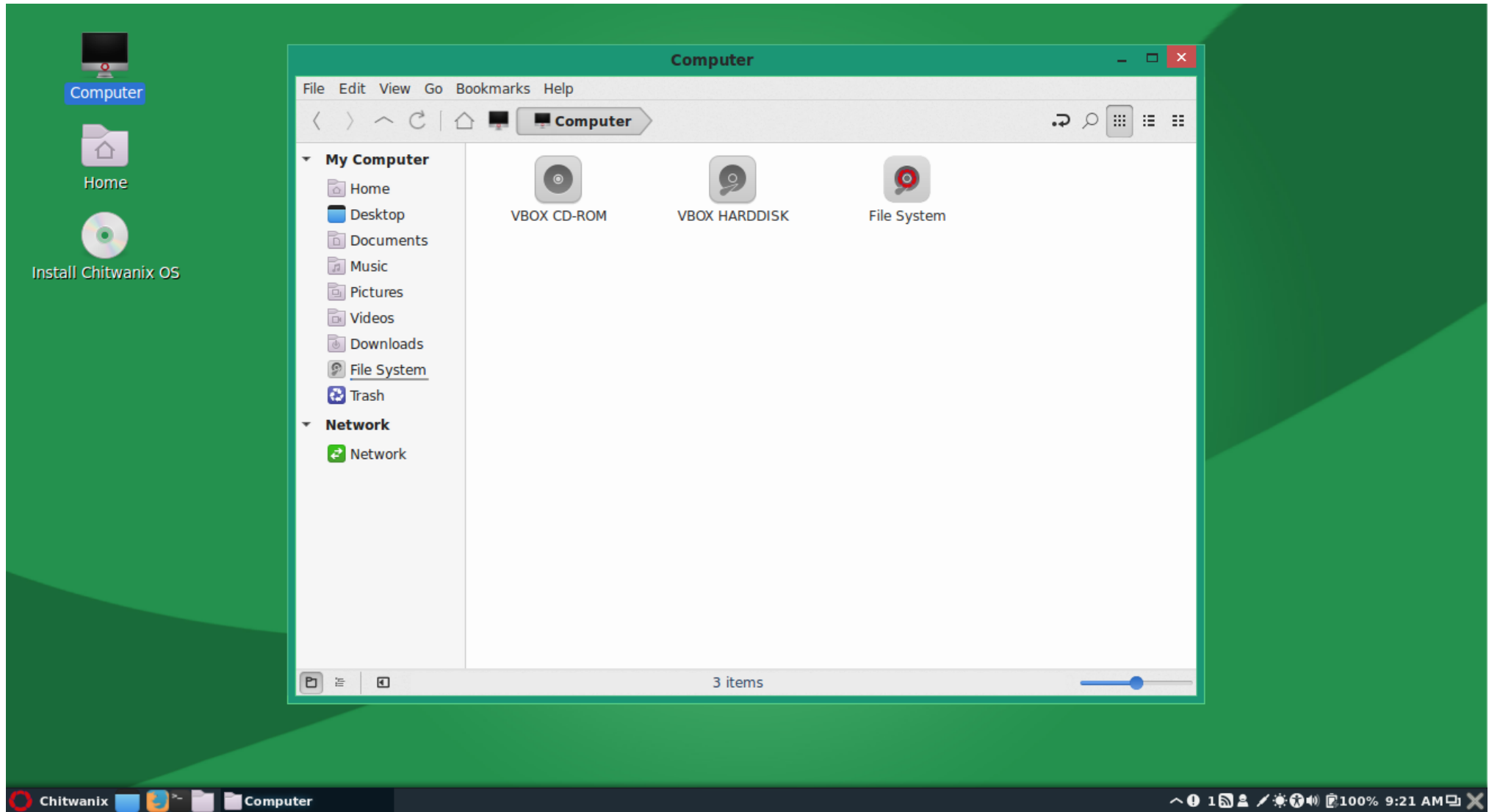# HTML5 BASED LOGIN SCREEN
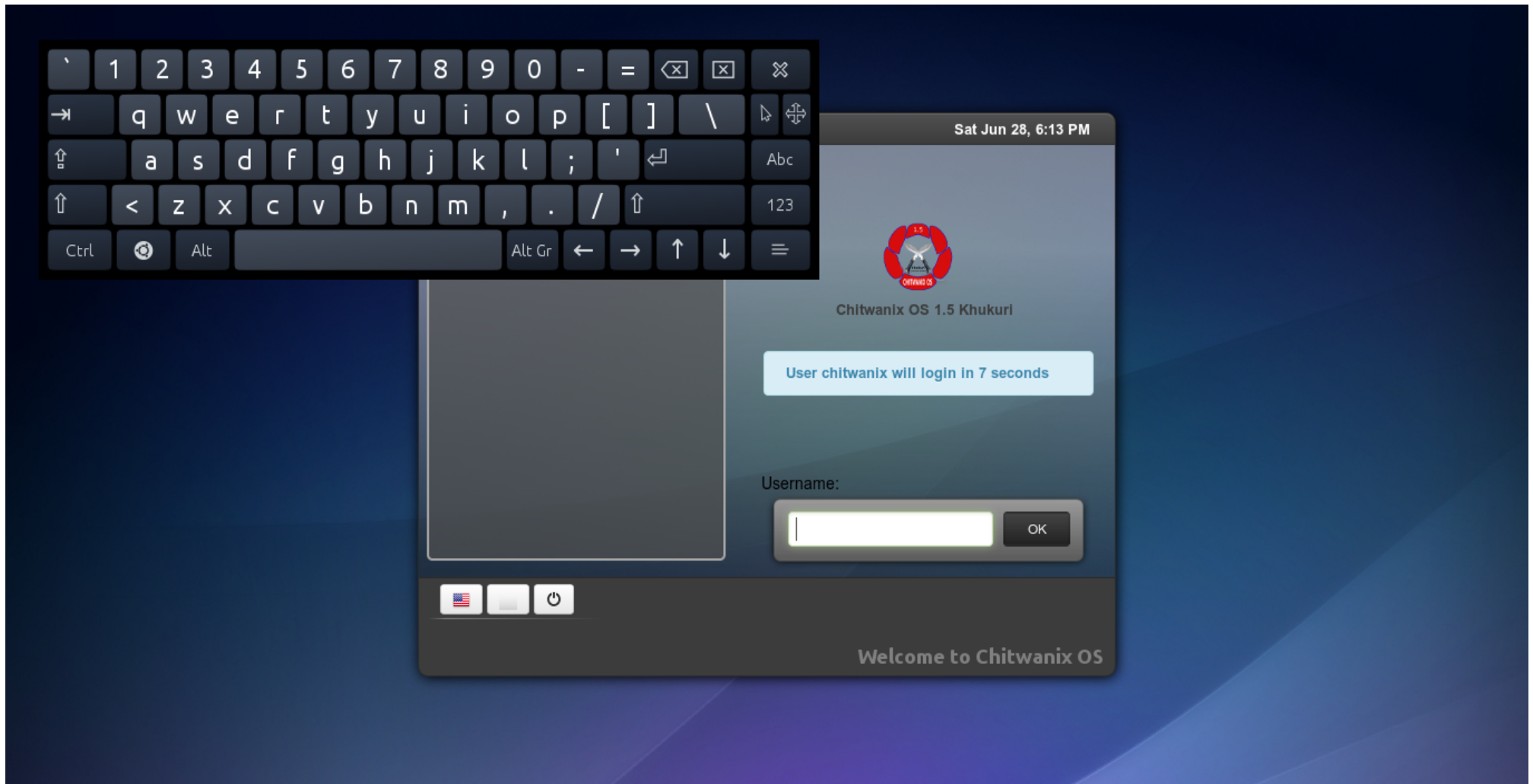
SAGARMATHA DESKTOP
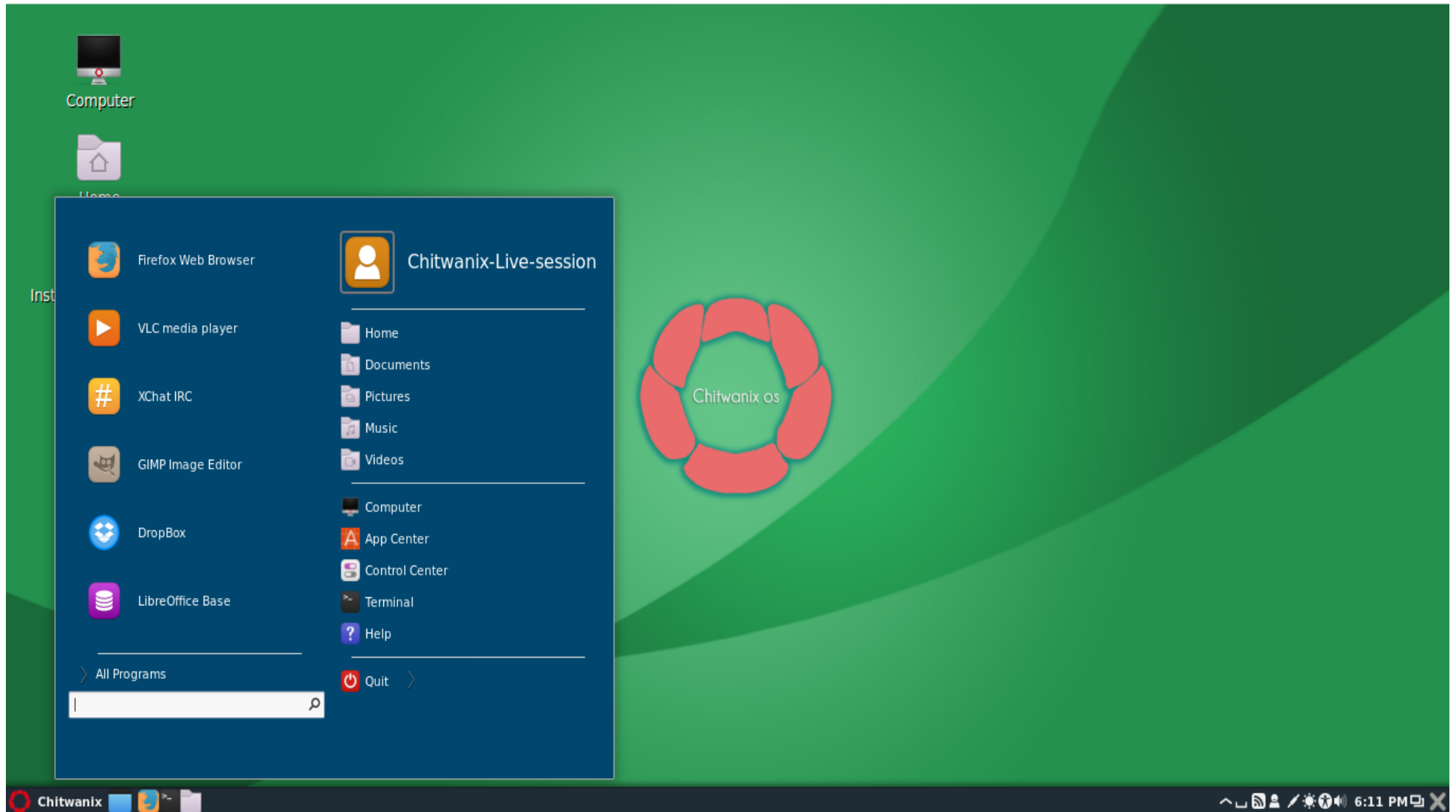
FILE MANAGER - NEMO
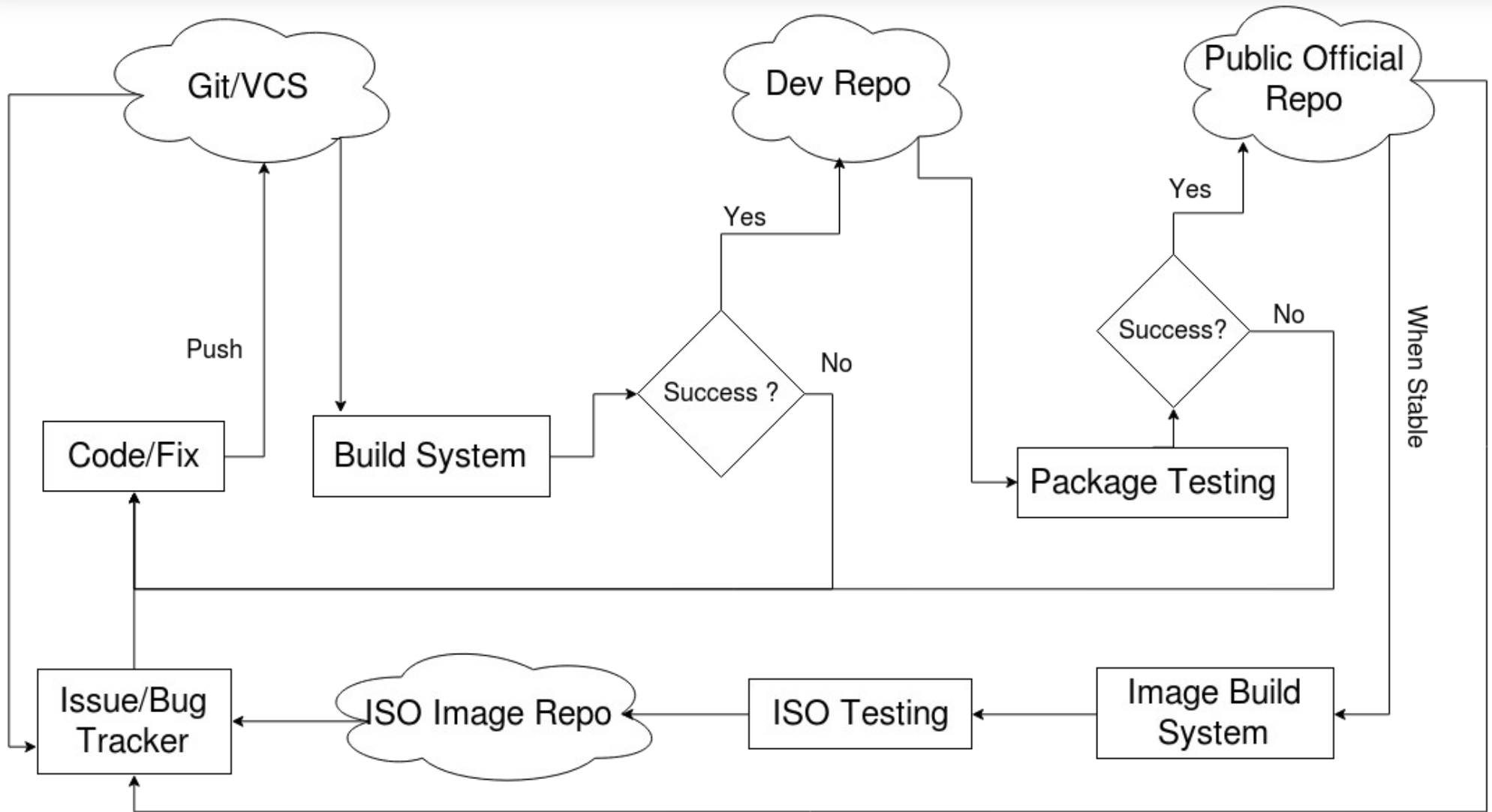
3D CUBE WORKSPACE

REFRESH BUTTON
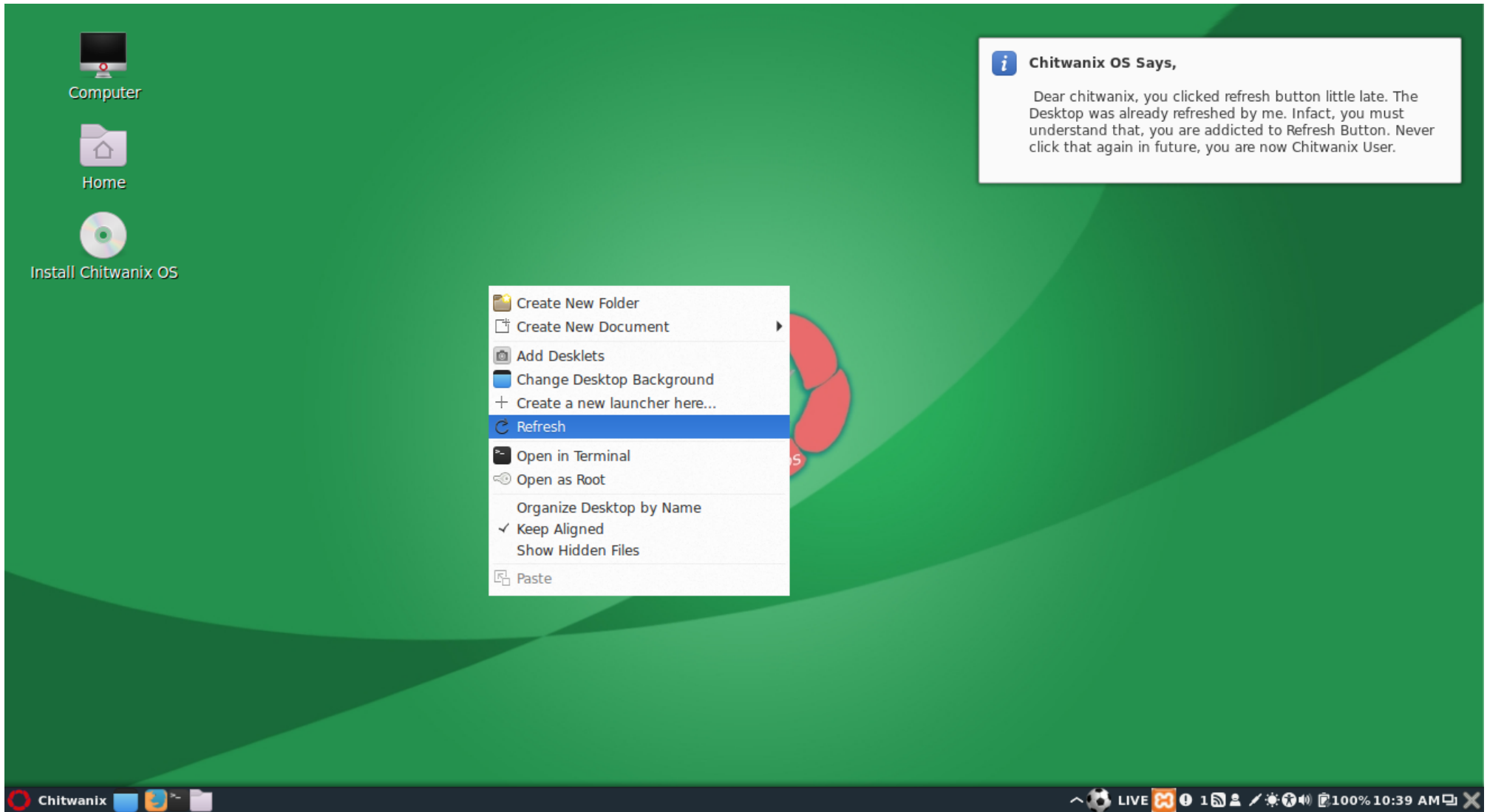
Fig : Chitwanix OS DLC

CHITWANIX NEXT RELEASE

Update Type : Rolling Updates

CodeName : Gautama Buddha

Architecture : amd64 (x86_64)

Distro Version : 2.0 (Released as ISO when stable)

Based System : Debian Jessie

Default Desktop Environment : Sagarmatha DE

Release Date : TBD

Status : Under Development.

How to Contribute/Join the Project ?

Financial Support

Financial Aids, Donations, however possible.

Sponsorship

Events, Install Fest, Workshops, Build Servers, Repository Hosting, Mirrors, goodies.

Local Community
Organize events and awareness programs with your local groups in your locality.

Helping others
Forums, IRCs, Community, People, Institutes, Blogs, etc.

Make Chitwanix BuzzWord
distrowatch.com, companies and everywhere possible.

Artwork
If you are good in Artworks or Photography you can contribute to Chitwanix OS.

Localization
Localize Chitwanix OS into your own mother tongue.

Code
Bug Fixes, Patches, codes, bugs and issues reports.

Github : github.com/chitwanix/

CHITWANIX OS LINKS

Website : chitwanix.com
Official Repo : repo.chitwanix.com
Facebook Page : facebook.com/chitwanix
Mail : info@chitwanix.com
IRC : Freenode - #chitwanix

THANK YOU !

Any Queries ??

- -

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Credits:
Artworks : Kool**Arpan**

Crafted on : **Chitwanix , Inkscape, LibreOffice Impress**

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