The Perfect Desktop - gOS 1.0.1

Version 1.0 Author: Falko Timme <ft [at] falkotimme [dot] com> Last edited 11/06/2007

This tutorial shows how you can set up a <u>gOS 1.0.1</u> desktop that is a full-fledged replacement for a Windows desktop, i.e. that has all the software that people need to do the things they do on their Windows desktops. The advantages are clear: you get a secure system without DRM restrictions that works even on old hardware, and the best thing is: all software comes free of charge. gOS is a lightweight Linux distribution, based on Ubuntu 7.10, that comes with Google Apps and some other Web 2.0 applications; it uses the Enlightenment 17 window manager instead of GNOME or KDE.

I want to say first that this is not the only way of setting up such a system. There are many ways of achieving this goal but this is the way I take. I do not issue any guarantee that this will work for you!

1 Preliminary Note

To fully replace a Windows desktop, I want the gOS desktop to have the following software installed:

Graphics:

- The GIMP free software replacement for Adobe Photoshop
- F-Spot full-featured personal photo management application for the GNOME desktop
- Google Picasa application for organizing and editing digital photos

Internet:

- Firefox
- Opera
- Flash Player 9
- FileZilla multithreaded FTP client
- Thunderbird email and news client
- Evolution combines e-mail, calendar, address book, and task list management functions
- aMule P2P file sharing application
- BitTornado Bittorrent client
- Azureus Java Bittorrent client
- Pidgin multi-platform instant messaging client
- Skype
- Google Earth
- Xchat IRC IRC client

Office:

- OpenOffice Writer replacement for Microsoft Word
- OpenOffice Calc replacement for Microsoft Excel
- Adobe Reader
- GnuCash double-entry book-keeping personal finance system, similar to Quicken
- Scribus open source desktop publishing (DTP) application

Sound & Video:

- Amarok audio player
- Audacity free, open source, cross platform digital audio editor
- Banshee audio player, can encode/decode various formats and synchronize music with Apple iPods
- MPlayer media player (video/audio), supports WMA
- Rhythmbox Music Player audio player, similar to Apple's iTunes, with support for iPods
- gtkPod software similar to Apple's iTunes, supports iPod, iPod nano, iPod shuffle, iPod photo, and iPod mini
- XMMS audio player similar to Winamp
- dvd::rip full featured DVD copy program
- Kino free digital video editor
- Sound Juicer CD Extractor CD ripping tool, supports various audio codecs
- VLC Media Player media player (video/audio)
- Helix Player media player, similar to the Real Player
- Totem media player (video/audio)
- Xine media player, supports various formats; can play DVDs
- GnomeBaker *CD/DVD burning program*
- K3B CD/DVD burning program
- Multimedia Codecs

Programming:

- KompoZer WYSIWYG HTML editor, similar to Macromedia Dreamweaver, but not as feature-rich (yet)
- Bluefish text editor, suitable for many programming and markup languages
- Quanta Plus web development environment, including a WYSIWYG editor

Other:

- VMware Server lets you run your old Windows desktop as a virtual machine under your Linux desktop, so you don't have to entirely abandon Windows
- TrueType fonts
- Java
- Read-/Write support for NTFS partitions

Lots of our desired applications are available in the Ubuntu repositories, and some of these applications have been contributed by the Ubuntu community.

I will use the username falko in this tutorial. Please replace it with your own username.

2 Installing The Base System

The installation of the base system is easy as 1-2-3 because the gOS installer doesn't offer a lot of options to choose from, so you cannot go wrong.

Download the gOS 1.0.1 iso image from <u>http://www.thinkgos.com/downloads.html</u>, burn it onto a CD, and boot your computer from it. At the boot prompt, select Start or install gOS:



The system boots and starts a desktop that is run entirely in the RAM of your system (the gOS installation CD is also a Live-CD) without changing anything on your hard disk. This has the advantage that you can test how gOS works on your hardware before you finally install it.



This is how the gOS desktop looks. You'll find lots of web applications in the dock at the bottom and a Google search box in the top right corner:







By left-clicking on the desktop or on the green leave in the bottom left corner, you open the normal menu from which you can access all installed applications, system settings, etc.:



Double-click the Install icon on the desktop to start the installation to the hard drive:



The installer starts. First, select your language:



Then choose your time zone:



Change the keyboard layout, if necessary:



Now we come to the partitioning of our hard disk. Usually Guided - use entire disk is a good choice, unless you need custom partitions and know what you're doing. Use entire disk will create one big / partition for us:



Type in your real name, your desired username along with a password, and click on Forward:



The next screen shows us a summary of the installation settings. Click on Install to start the installation:



The hard drive is being partitioned:



Afterwards, the gOS system is being installed. This can take a few minutes, so be patient:



After the installation is complete, we must reboot the system to use it. Click on Restart now:

		Google Search
About g., Install My gPC		
	 Installation complete Installation is complete. You need to restart the computer in order to use the new installation. You can continue to use this live CD, although any changes you make or documents you save will not be preserved. Be sure to remove the CD when restarting the computer, otherwise it will start back up using this live CD rather than the newly-installed system. 	
	Continue using the live CD Restart now	
🌔 I 🚳 🧰 🛓	7 🎸 🖞 🚹 🚥 🛞 🕒	

The Live-CD desktop shuts down. At the end (when you see the blue rectangle with white text at the bottom of this screen), the gOS CD is ejected. Remove it from the CD drive and hit the <ENTER> key to boot into your new gOS desktop:



Your new gOS system starts. Log in to the desktop with the username and password you provided during the installation:



Welcome Password:	
	TUE NOV 06, 3:02 PM

When you log in for the first time, you must accept the license of the firefox-google-toolbal-plugin; therefore you're asked for your password again:



Afterwards, accept the license of the firefox-google-toolbar-plugin:

1	Configuring firefox-google-toolbar-plugin
	Google Toolbar terms and conditions
	TERMS AND CONCRTONS Thank you for trying out the Google Toolbar softwaret By using this software, including any third party software made available in conjunction with this software. ("Google Toolbar") you agree to be bound by the following terms and conditions (the "Terms and Conditions"). Non-commercial Use Only Google Toolbar is made available to you for your non-commercial use only. This means that you may use it at work or at home, to search for anything you want. But you first need to obtain Google's permission if you want to sell the Google Toolbar or any information, services, or software associated with or derived from it, or if you want to modify, copy (except as provided below), license, or create derivative works from the Goode. Toolbar.
	Do you agree with the Google Toolbar Terms and Conditions 7
	Cancel ABack Forward

This is how your new desktop looks:



Now the base system is ready to be used.

3 Update The System

When you log in for the first time, you will most likely see an orange software update icon in the lower right corner which means that updates for the installed software are available. To install the updates, click on that orange icon:



The Update Manager tells you which updates are available. Click on Install Updates to install them:





The updates are being downloaded and installed (this can take a few minutes):

When the update is complete, click on Close:



Then close the Update Manager:

000	💭 Update Manager		Google Search
®	four system is up-to-date oftware updates correct errors, eliminate ecurity vulnerabilities and provide new features.		
≬ Descr	ption of update		
0	🥎 🚎 🌌 🅳 🌍) ruu Tubii (1990) 🔁 🥃	

The orange software update icon is now gone. The system is up-to-date.

4 Inventory Of What We Have So Far

Now lets browse all menus under Applications to see which of our needed applications are already installed:



You should find the following situation ([x] marks an application that is already installed, where [] is an application that is missing):

Graphics:

[x] The GIMP[] F-Spot[] Picasa

Internet:

[x] Firefox
[] Opera
[] Flash Player
[] FileZilla
[x] Thunderbird
[] Evolution
[] Aule
[] BitTornado
[] Azureus
[x] Pidgin
[x] Skype

[] Google Earth

[] Xchat IRC

Office:

[x] OpenOffice Writer
[x] OpenOffice Calc
[] Adobe Reader
[] GnuCash
[] Scribus

Sound & Video:

[] Amarok [] Audacity [] Banshee [] MPlayer [x] Rhythmbox Music Player [] gtkPod [] XMMS [] dvd::rip [] Kino [] Sound Juicer CD Extractor [] VLC Media Player [] Helix Player [] Totem [x] Xine [x] GnomeBaker [] K3B [] Multimedia Codecs

Programming:

[] KompoZer [] Bluefish [] Quanta Plus

Other:

[] VMware Server
[x] TrueType fonts
[] Java
[x] Read-/Write support for NTFS partitions

So some applications are already on the system. Microsoft's TrueType fonts are installed as well, you can check that for example by opening the OpenOffice Writer. Take a look at the available fonts, and you should find fonts such as Arial, Times New Roman, Verdana, etc.:



NTFS read-/write support is enabled by default on Ubuntu 7.10 (Gutsy Gibbon) and all derived distributions.

5 Install gnome-terminal And gedit

Before we go on, we should install a terminal that allows us to copy & paste commands, and a text editor (you don't need a text editor to follow this tutorial, but it's always good to have one installed). The default terminal on gOS is UXterm, but the problem with this terminal is that you cannot copy & paste commands (e.g. from this tutorial). Therefore we install gnome-terminal (and gedit, our text editor).

Open the Synaptic Package Manager (Applications > Administration > Synaptic Package Manager (Package Manager)):



Close the Quick Introduction window:



Click on the Search button and search for gnome-terminal:

C About g	My gPC	Google Search
	Bie Edit Backage Settings Help	
	Reload Mark All Upgrades Apply Properties Search Amateur Radio lun Base System 5 Package Installed Version Latest Versior Base System 2.vcard 0.5-1ubuntuli Base System (rest) 3.3.4p6-3.3 0.8.1-12 Base System (univ Communication (rr Search: gnome-terminal • Communication (rr NK Description and Name : • Status Origin Image: Search Search	
	Sgarch Results 23289 packages listed, 1265 installed, 0 broken, 0 to install/upgrade, 0 to remove	

The package gnome-terminal should appear in the list of results. Click on it and select Mark for Installation from the menu:

About ga		Synostic Packag	e Manager		
	Reload Mark Al	Upgrades Propertie	es Search		
	IIA	S Package	Installed Version	Latest Version	
	goometerminal	gnome-róp		0.2.2-0ubunti	
		Constant - Consta	2.18.2-0ubuntu1	2.18.2-0ubun 0.1.1-0ubunt	
	Sections	C Mark for Upgrade C M Mark for Removal U M Mark for Complete Remova	ator application Jation application the	đ hat you can	
	Status	<pre>/ perform the following actions:]</pre>			\bigcirc
	Origin	Access a UNIX shell in the GNC But any application that is des	ME environment.	12 1/7220	\smile
	Custom Filters	and sterm	gried to full off si to	.2. 01220.	
	Sgatch Results	terminais.			
	7 packages listed, 12	65 installed, 0 broken. 0 to instal/u	pgrade, 0 to remove		

С			Google Search
Allout gas	Din Edit Backage	Synaptic Package Manager	
	Rebad (a. 2 a a a a	→ 1000000000000000000000000000000000000
	All y	Mark additional required changes? The chosen action also affects other packages. The following changes are required in order to proceed. * To be installed capplets-data gnome-control-center libcamel1.2-10 libebook1.2-9 libgnome-window-settings1 libonomekbd-common	ect Venue 2-Ouburt 1-Ouburt 1-Ouburt ou can
	Orge Quation P Sparch Results 7 peckages listed: 12	Exercel Contents	

Accept gnome-terminal's dependencies by clicking on Mark:

Now do the same again for gedit:







Afterwards, click on the Apply button to start the installation:



Confirm your selection by clicking on Apply:

0		Google Search
About g	My gPC	
	All Summary Preload All Price Provide	
	Section Summary Show Details eatures. Statu 29.1 MB of extra space will be used sually which Origir 4273 kB have to be downloaded which which Qustom F Download package files only gancel gancel gancel	Ð
	8 packages listed, 1265 mistalied, o brokent 11 to mistalyopyrade, o to remover, 25.1 MB will be i	6

Afterwards the selected packages are being downloaded and installed:

C			Google Search
About g	My gPC		
	000	Synaptic Package Manager	
	Reided Mark	All Upgrades Apply Properties Search	
	All		
	gnome-terminal	Downloading package files	
		Downloading package files The package files will be cached locally for installation.	1
		DownSuddorf (# 3 of 11	and the second s
		Download rate: unknown	
	Sections	Show progress of single files.	(h)
	stinte	Sancel	
	Odgin .		
	Dilitori Fitiilis		
	Sealch Results		
	8 peckages listed.	1245 establed, 0 to ster, 11 to 1 station gale, 0 to remove, 29 (145 vil per	
1000			
	🔪 🎰 🔏		

0		Google Search
About g	My upc	
	Der part Bertrage Settings bied Reidad Mark All Upgrades Apply Properties Search	
	All phome Installing software The marked changes are now being applied. This can take some time, Please wait. Preparing gedit Automatically close after the changes have been successfully applied Details Const	6
	Outborn Filters Sparch Results Sparch	6

After all packages have been installed, click on Close:



6 Configure Additional Repositories

Some packages like the Adobe Reader are not available in the standard Ubuntu repositories. The easiest way to make such packages available to your system is to add the <u>Medibuntu repository</u>. To add this repository go to Run Command:



Type in

gnome-terminal

to start the GNOME Terminal:



In the GNOME Terminal, run the following commands to enable the Medibuntu repository (you can copy & paste them from here to your GNOME Terminal to avoid typos):

Import the repository:

sudo wget http://www.medibuntu.org/sources.list.d/gutsy.list -O /etc/apt/sources.list.d/medibuntu.list

Import the gpg-key and update your package-list:

wget -q http://packages.medibuntu.org/medibuntu-key.gpg -O- | sudo apt-key add - && sudo apt-get update



Afterwards, you can close the GNOME Terminal.

In addition to the Medibuntu repository, we also enable the gutsy partner repository which contains the Opera browser. Go to Applications > Administration > Software Sources (Software Sources):



Type in your password:

- C 🔤		Google Search
About ga Aliy gird	Enter your password to perform administrative tasks The application 'Software Sources' lets you modify essential parts of your system. Password:	
0 6 1 F		

The Software Sources window contains repositories that are already known to the system (no matter if they are enabled or not). Go to the Third-Party Software tab, enable the gutsy partner repository and click on Close:



Now the system's package database has to be updated (because we've just added a new repository), therefore we click on the Reload button:



Now the package database is being updated:

		Google Search
About g., My gPC	Saftware Searces Saftware Searces	
	he upgraded software packages: he upgraded software packages: urce C Download rate: unknown D Show progress of single files:	
/ () 🖌 觉 📑	••••• 🔇 🕒 🚫 🛄 🛒 🖗	

7 Install Additional Software

To install additional applications, open the Synaptic Package Manager (Applications > Administration > Synaptic Package Manager):



Select the following packages for installation (* is a wildcard; e.g. gstreamer* means all packages that start with gstreamer):

- amarok
- amule
- audacity
- azureus
- banshee
- bluefish
- dvdrip
- filezilla
- evolution
- evolution-plugins
- gnucash
- gstreamer*
- gtkpod
- j2re1.4
- j2re1.4-moyilla-plugin
- k3b
- kino
- mplayer
- mozilla-mplayer

- totem
- totem-gstreamer
- totem-mozilla
- quanta
- kompozer
- scribus
- sun-java6* (except sun-java6-doc)
- vlc*
- xchat
- xchat-common
- xmms*
- f-spot
- flashplugin-nonfree
- bittornado
- bittornado-gui
- googleearth
- acroread*
- sound-juicer
- helix-player
- mozilla-helix-player
- non-free-codecs
- opera

There are also lots of other applications available that you can install as well if you like.

After you've selected all wanted packages, click on the Apply button:



Confirm your selection by clicking on Apply again:



Afterwards all selected packages are being downloaded and installed:

6			Google Search
About g	My gPC		
1	000	Synaptic Fackage Manager	
	Relad Mar	All upgrades Apply Properties Search	
D.	All adobe		
	amarok	😡 🧆 Downloading package files	
	amule	Downloading package files	
	audacity	The package files will be cached locally for installation	
	audacitz	Driving ading file 30 of 331	
	0	Download rate: 970 kB/s - 4m10s remaining	
	Sections	Show progress of single files.	(A)
	stahia	2 Cancel	\bigcirc
	Origin		
	Diston Fibris		
	Sealch Results		
	6 packages listed.	1376 installed, 0 troken, 331 to installupgrade, 0 to remove, 1157 5tb will be	
		the second s	
	1 💏 🚺	: 🔜 🔄 💽 🥅 🖂 🚳	

Some packages require that you accept their licenses (for example j2re1.4):



The Adobe Flash plugin can be installed from a local file or from the internet. Most probably you did not download the Flash plugin before; therefore leave the Location to the local file field empty and click on Forward:

0		Goo	ogle Search
About g	My gpc		
	Die Edt. Park	Synaptic Package Manager	
	12 Reliad M	Debconf on falko-desktop	
	All adobe	Configuring flashplugin-nonfree	
	amarok Ins	Location to the local file:	
	amule audacity The take	Belp	1
	audacitz		- La
	Piec		
			0
			\sim
	Dutt SRT YIE		
	Sealth Res	Cancel Sact Forward	
	C. P. C. Statistics		
N	(🚓 🗆		
	_ 🔰 😫		4

Accept the license of the Flash plugin:

6			Google Search
About g	му арс		
	Cile Edit Backage Settings b	Synsytic Package Manager	
		T Dubconf on falko dasktop	
	All Configur adobe amarok ins amule The audacity The audacity The audacity Prec S D 4 b C	ept the license and do you want to download the flash plugin now? Hel	
	Sparch Rest SparkAges Iste	Cancel Sack Earth	ard
	S 📬 📑 You 🎟	49 <mark>2 8</mark> 🗆 📃 🤒 🛛	

If you don't have a 3D graphics card and you see this message, simply click on Forward:



You can accept the default MPlayer font:

C	Maraba		Google Search
Allout ga		Synsetic Package Manager	
	Reidad M	Constant of the second on talks desistop	
	All adobe amarok ins amule sudacity take audacitz azureus Prep S D C b C	Configuring mplayer-fonts Select font used by MPlayer. Iso-8859-1/arial-18	
	Sealtch Resi S packages liste	🛛 🎉 Çancel 📄 🛶 Back 📄 🛶 Eorward	
	ś 🥎 [f 100 🌃 🗐 🕒 🌀 💷 🛒 🤒 🏼	

Afterwards, a few more licenses have to be accepted:



During the installation, you will be asked a second time regarding the Flash plugin (not sure why...). Answer as before:

0			Google Search
About g	My gPC		
	Din Edt. Back	Synaptic Package Manager	
	Reided M	C C Debconf on falko-desktop	
	All	Configuring flashplugin-nonfree	
	amarok Ins	Location to the local file:	
	audacity The take	Beb	1
	audacitz azureus		
	Þ c		U
	Quantitier		
	5 peckages liste	Cancel Griesen Ecoward	
	1	f www. 🚳 😑 🥱 🖂 🗐 🕺 🛛	
			- 0

0			Google Search
About g.,	My gPC		
	Din Edit Bara	Synaphic Package Monager	
	Reload M	Dubconf on fallse desktop	
	All adobe	Configuring flashplugin-nonfree	
	amarok amule audacity azureus Con Se D. Con	Do you accept the license and do you want to download the flash plugin now? Help	
	Sparch Resi 5 packages liste	🛛 🎉 Çancel 📗 🛶 Back 📗 🙀 Eorward	
	s 📬 🛙	F 100 🎲 🕒 🕥 🛄 🛒 😢	

After all packages have been installed, click on Close:



8 Inventory (II)

Now let's check again what we have so far by browsing the menus again:



Our inventory should now look like this:

Graphics:

[x] The GIMP[x] F-Spot[] Picasa

Internet:

- [x] Firefox
 [x] Opera
 [x] Flash Player
 [x] FileZilla
 [x] Thunderbird
 [x] Evolution
 [x] aMule
 [x] BitTornado
 [x] Azureus
 [x] Pidgin
 [x] Skype
- [x] Google Earth
- [x] Xchat IRC

Office:

- [x] OpenOffice Writer
- [x] OpenOffice Calc
- [x] Adobe Reader

- [x] GnuCash
- [x] Scribus

Sound & Video:

[x] Amarok [x] Audacity [x] Banshee [x] MPlayer [x] Rhythmbox Music Player [x] gtkPod [x] XMMS [x] dvd::rip [x] Kino [x] Sound Juicer CD Extractor [x] VLC Media Player [x] Helix Player [x] Totem [x] Xine [x] GnomeBaker [x] K3B [x] Multimedia Codecs

Programming:

- [x] KompoZer
- [x] Bluefish
- [x] Quanta Plus

Other:

[] VMware Server[x] TrueType fonts[x] Java[x] Read-/Write support for NTFS partitions

9 Flash Player

To see if the Flash plugin (which we installed before) is working, start Firefox. Then type about:plugins in the address bar. Firefox will then list all installed plugins, and it should list the Flash Player (version 9.0r48 which is the newest one at the time of this writing) among them:

		🎯 About Plug-ins	- Mozilla Firefox		
Sie Edi	it View History Bookr	narks Ipols Help		¢	
(a - a)	· C O 0 1 0	about:plugins	- 🕒 KG+lGoogle		
e Gettir	ng Started 🔝 Latest BB	2 Headlines			
loogle		💽 😋 Search - 🕂 🧔 🐮 - 🥑 😋	• 🕈 🖃 • 🐨 🖸 🛃 • M • 🏠 Bo	okmarks- » 🔘 Settings-	
		Installed pl	ug-ins		
F	ind more information abo telp for installing plug-ins	ut browser plug-ins at <u>mozilia org</u> . is available from <u>plugindoc mozdev.org</u> .		[
S	Shockwave Flash File name: libflashpli Shockwave Flash 9.	syer.so 0 r48			
11	MIME Type	Description	Suffixes	Enabled	
1	application/x-shockwave-	flash Shockwave Flash	swf	Yes	
i	application/futuresplash	FutureSplash Player	spi	Yes	
1	File name: libtotem The Totem 2.20.0 p MIME Type	er Plugin 2.20.0 basic-plugin.so ugin handles video and audio streams. Description	<u>Suffixes</u>	Enabled	
1	File name: libtotem The Totem 2.20.0 p MIME: Type application/ogg	er Plugin 2.20.0 basic-plugin.so lugin handles video and audio streams. Description Ogg multimedia	Suffixes	Enabled Yes	
1	File name: libtotem The Totem 2:20.0 p MIME: Type application/ogg audio/ogg	er Plugin 2.20.0 basic-plugin.so lugin handles video and audio streams. Description Ogg multimedia Ogg Audio	500 Suffixes	Enabled Yes Yes	
1	File name: libtotem The <u>Totem</u> 2.20.0 p MIME Type application/ogg audio/ogg audio/ogg	er Plugin 2.20.0 basic-plugin.so lugin handles video and audio streams. Description Ogg multimedia Ogg Audio Ogg Audio	500 500 500 600	Enabled Yes Yes Yes	
1	File name: libtotem The <u>Totem</u> 2.20.0 p MIME Type application/ogg audio/ogg audio/ogg udio/x-ogg video/ogg	er Plugin 2.20.0 basic-plugin so lugin handles video and audio streams. Description Ogg multimedia Ogg Audio Ogg Audio Ogg Video	597 597 693 693	Enabled Yes Yes Yes Yes	
	File name: libtotem The Totem 2.20.0 p MIME Type application/ogg audio/ogg audio/ogg uideo/ogg video/ogg video/ogg	ter Plugin 2.20.0 basic-plugin.so lugin handles video and audio streams. Description Ogg multimedia Ogg Audio Ogg Audio Ogg Video Ogg Video	000 999 093 093 093 099	Enabled Yes Yes Yes Yes Yes	
	File name: libtotem The Totem 2.20.0 p MIME Type application/ogg audio/ogg audio/ogg audio/ogg video/x-ogg video/x-ogg video/x-ogg video/mpeg	ter Plugin 2.20.0 basic-plugin.so lugin handles video and audio streams. Description Ogg multimedia Ogg Audio Ogg Audio Ogg Video Ogg Video Ogg Video MPEG video	5000 5000 5000 5000 5000 5000 5000 500	Enabled Yes Yes Yes Yes Yes Yes	

You can now open a web site of which you know that it uses Flash. For example, <u>www.spiegel.de</u> has video news in Flash. You should be able to see (and hear) the Flash movies:



Another web site that uses Flash movies is **YouTube**, for example.

10 Google Picasa

Open Firefox and go to <u>http://picasa.google.com/linux/thanks-deb.html</u>. A download dialogue should come up automatically. Select Open with GDebi Package Installer (default):



A Package Installer window comes up. Click on the Install Package button to install Picasa:



You must provide your password to start the installation:

666	@ Downloads			
picasa_2.2.282 Done	0-5_085.deb	QDED Remove	uli Charles in Interne	- - C[- google picasa ubuntu S_
All files download Sent Easthaux	ed to: III Desktor mrstammy I you have a Hyso're amp dowrleaded II that doesn't S sudo dpkg ar	You n instal R is ap instal s Passwo	eed to grant administrative rig I software ossible security risk to instal packages file oftware from trustworthy software distribut	B • M • Dookmarks- * Settings- hts to s manually: fors only. fore installing a new version: i double citck on the command like
	# dpkg 1 Ampipie # exit Starting Picasa Start Picasa by lo a terminal sector. Tips • If you use h all you with • To get Pice • When addr	asa 2.2.2820.5 Jeng in your Lan P.S. when Piccas 5 directoried 5 directoried 5 directoried 5 directoried 5 directoried	DB6.dob as distribution's Graphics menu. If you can't find it t a first starts, tell it is scan just your desking? Oth s on your hard drive, click "File / Add Felder" (HC ess, the default action is to remove the folder from	Nove, give the command /wwrfbln/picase in envise Picase gets roat slow while it scans 37 - (mpooff) Picase, You fram to actively choose Scan

The installation begins:



Afterwards, you can close the Package Installer window:

000	g Downloads				🥑 Picana - Hozilia Firefox		
picasa_2.2.2820-5_13 Done	186.deb	Open Berns	2018	vira	uc, thanks-sleb.html	- 🕞 🥵 google picas	a ubuntu 🔄
				•	¢ % · 2' c · † ⊒ · w O &	• M • 🌣 Bookmarks- *	© Settings
56.000 SS 80	27.8	-	-	() Helt	🚔 Package Installer -	picasa	
All files downloaded to:	Desktop	🞯 Çiea	Darles I	Tieth	atrana	protection and a second s	5
end Feedback	mstanning er	u asa	Ctat	ider.	prose	of Beinstall Package	
	If you have a Picasa window - If you're using a recent versio		Status	51	same version is aready installed		non
			Desc	riptic	on Details included Files		3
	downloaded .deb	file to instal	Pica	as	• *	e	
	If that doesn't wo	k, save the	all the		Installation finished		
	\$ sudo dpkg #/	mp/picasa			a sea a se a se a		
	01		1		Package 'pkasa_2.2.2820-5_/386.deb' w	vas installed	
	\$ su # dpkg -i /tmp/p # exit	icasa_2.2.2	Scher I.		Terminal	26 Close	
	Starting Picasa						
	Start Picasa by looking in ye a terminal window.						arin
	Tips						
	 # you use all your NF To get Pic When add 	NFS, when i 'S directorie asa to see p ing a folder t	Picasa f el ictures o o Picasa	first st on you	starts, tell it to scan just your desktop! Otherwis our hard drive, click "File / Add Folder " (HOT "// e default action is to remove the folder from Pica	se Picasa gets real slow while it s mipor(*) sa. You have to actively choose \$	cans Scan

11 Inventory (III)

Browse the Applications menu again and check what you've got installed so far.

Your list should look like this now:

Graphics:

[x] The GIMP[x] F-Spot[x] Picasa

Internet:

- [x] Firefox
 [x] Opera
 [x] Flash Player
 [x] FileZilla
 [x] Thunderbird
 [x] Evolution
 [x] aMule
 [x] BitTornado
 [x] Azureus
 [x] Pidgin
 [x] Skype
 [x] Google Earth
- [x] Xchat IRC

Office:

[x] OpenOffice Writer[x] OpenOffice Calc[x] Adobe Reader[x] GnuCash[x] Scribus

Sound & Video:

[x] Amarok
[x] Audacity
[x] Banshee
[x] MPlayer
[x] Rhythmbox Music Player
[x] gtkPod
[x] XMMS
[x] Avd::rip
[x] Kino
[x] Sound Juicer CD Extractor
[x] VLC Media Player
[x] Helix Player
[x] Totem
[x] Xine
[x] GnomeBaker

[x] K3B[x] Multimedia Codecs

Programming:

[x] KompoZer[x] Bluefish[x] Quanta Plus

Other:

[] VMware Server[x] TrueType fonts[x] Java[x] Read-/Write support for NTFS partitions

So everything is installed except for VMware Server...

12 VMware Server

With <u>VMware Server</u> you can let your old Windows desktop (that you previously converted into a VMware virtual machine with <u>VMware Converter</u>, as described in this tutorial: <u>http://www.howtoforge.com/vmware_converter_windows_linux</u>) run under your gOS desktop. This can be useful if you depend on some applications that exist for Windows only, or if you want to switch to Linux slowly.

To download VMware Server, go to <u>http://www.vmware.com/download/server/</u> and click on Download Now:



Accept the license agreement by clicking on Yes:



Then download the VMware Server for Linux .tar.gz file (not the rpm file!) to your desktop (e.g. to /home/falko/Desktop):

	Download VMware Se	ver - Mozilla Firefox	-
Die Ed	t gew higtory gookmarks goos gep		O: Dotto (C.)
Carri	on Charted (D) start BBC Meadliner	Contraction of the second seco	GENERAL (1947)
Consie	nicasa uhuntu	🖲 🚍 - 👿 🖸 🚳 - M - 🔿 Bookmarks- a	@ Settings
V The	Perfect Desktop - Par.	View Long	
	VMware Server Windows client package: A tip package containing installer bits for the following VMware Server Windows Client components: - Windows VMware Server Contole (.exe) - COM scripting AP for VMndows (.exe) - Perty scripting AP Sor VMndows (.exe) - Programming AP1 (.exe)	b6eea0a739dbc3d7c4abb56001180de3) Binaty (2p) (rod5sum 5223d5e1359521e2357ae8ec68cac64d)	
	Downsound VMware Server (for Linux Systems) Means Server for Linux The core application needed to run VMware liener and interact with it on the loca machine. TAR Binary.	Binary (far.oc) Imd5sum: 694c35cd66b776c202d88b+e79baebd5)
	VMware Server for Linux. As above, but a RPM Binary	Binary (/pm) (md5sum: ca58x0be5eb3cd58158xe2cee3462ct)	
	Management Interface. The VMware Server Web-based management interface. Install on your VMware Server system to enable control from a Web browser includes downloadable VMware Server Console installation files.	Binary (tar gz) (md5sum fibt 2063d8ea82r2280549x33#a82c476)	
	VMware Server Linux client package. A tip package containing installer files for the following VMware Server Linux Client components: - Linux VMware Server Coosele (tar and uppr)	Bimey (36) (md5s;m: 0105858haad4a8?oa5931e1e8ad06351)	

File Edit	t View History Bookmark	S Tools Help	r - Mozilla Firefox	0
	- 🧭 😳 🏠 🗋 http	://register.vmware.com/cortext/download.n	itmi 🔞 -	Gi+ google picasa ubuntu
Gettir	ng Started 🔛 Latest BBC He	adines		
Coogle	picasa ubuntu	💽 🕼 Search - 🗄 🚿 🦉 🖉 🖉 🔹 🕯	🕈 🖃 • 🐨 🖸 🛃 • M	• 🏠 Bookmarks- » 🔘 Settings-
V The i	Perfect Desktop - Par containing all Windows com	Download VHware Ser powerlaw generative removed and the server of the ser	Uniter (2016) (htdSsum: 8.4.56528.tar.gz	11804030
	Siles for the following VMwa - Windows VMware Sener - COM scripting API for Win - Pert scripting API for Winc - Programming API (exe)	When is a gzip archive from: http://download3.vmware.com	gz	tract/4d)
	Download VMware See	What should Firefox do with this Be?	at) [:]	
	VMware Server for Linux. The core application needs machine TAR Smary	Save to Disk Do this gutomatically for files like this	s from now on.	Search-ch
	VMevare Server for Linux As above, but a RPM Birnar		Cancel ФОК	0462c0
	Management Interface The VMware Server Web-bar Server system to enable cor VMware Server Console into	sof management interface. Install on your VMware drui from a Web browser. Includes downloadable tallation files	Binary (tar.gp) (mdSsum fib13083d8ea83r2280549d3	38482(478)
	Where Server Laux client the following Vilware Server - Linux Vilware Server Coos - Pieri scripting API for Linux - Programming API (tar)	t package. A Dp package containing installer tiles for Linux Client components: ole (far and sprn) ctar)	Binary (.5b) (md5sum 0104809baa64a97ba593tet	e8a600351)

To get the serial number you need to run VMware Server, go to <u>http://register.vmware.com/content/registration.html</u>. Fill in your personal details.

Afterwards you will get a page with a serial number for VMware Server. Write it down or print it out:





To install VMware Server, open the GNOME Terminal again. Go to Run Command...

... and run

gnome-terminal

to open the GNOME Terminal:



Run the following command to install some necessary packages:

sudo apt-get install linux-headers-`uname -r` build-essential xinetd

Then go to the location where you saved the VMware Server .tar.gz file, e.g. /home/falko/Desktop (replace falko with your own username!):

cd /home/falko/Desktop

Unpack the VMware Server .tar.gz file and run the installer:

tar xvfz VMware-server-*.tar.gz cd vmware-server-distrib sudo ./vmware-install.pl

The installer will ask you a lot of questions. You can always accept the default values simply by hitting <ENTER>.

At the end of the installation, you will be asked to enter a serial number:

Please enter your 20-character serial number.

Type XXXXX-XXXXX-XXXXX or 'Enter' to cancel:

Fill in your serial number for VMware Server.

After the successful installation, you can delete the VMware Server download file and the installation directory:

cd ../ rm -fr vmware-server-distrib/ rm -f VMware-server*.tar.gz

You will now find VMware Server under Applications > System Tools > VMware Server Console:



When you start it, select Local host:

Ele Edit yle	W Host VM Tabs Help H Power On Reset Scopphot Revet Tul Schern Quick X G Home X	k Switch	
	Connect to Host		
	VMware Server Console		
	To access wrtual machines on the local computer you are using. select Local host. To access wrtual machines on a networked host. select Remote host and enter the host name and a valid user name and password. Cocal host Remote host Host name Password: Password:	vnect to ver and GSX alent to a . memory and res you full reyboard.	
	Zancel Connect		

Afterwards, you can create virtual machines (or import your virtual Windows machine that you created with <u>VMware Converter</u>):

Ble Edit View Host Vi	g Tabs Help	Revert Pull Scherer, Quick Switch	
inventory	falko-desktop X falko-desktop State: Connected Version: VMware Server 1.0.4		
	Create a new virtual machine Create a virtual machine Create a virtual machine Create a virtual machine Create host settings	The VM ware Server Console lets you connect to vitual machines that run on VM ware Server and GSX 3 systems. Each vitual machine is equivalent to a physical server with storage, networking, memory and devices. The VM ware Server Console gives you full control over vitual machines, including keyboard, video and mouse interactivity.	
	FiSwitch to a different host		
-		Local host	

13 Inventory (IV)

We have now all wanted applications installed:

Graphics:

[x] The GIMP[x] F-Spot[x] Picasa

Internet:

[x] Firefox
[x] Opera
[x] Flash Player
[x] FileZilla
[x] Thunderbird
[x] Evolution
[x] aMule
[x] BitTornado
[x] Azureus
[x] Pidgin
[x] Skype
[x] Google Earth

[x] Xchat IRC

Office:

[x] OpenOffice Writer[x] OpenOffice Calc[x] Adobe Reader[x] GnuCash[x] Scribus

Sound & Video:

[x] Amarok
[x] Audacity
[x] Banshee
[x] MPlayer
[x] MPlayer
[x] Rhythmbox Music Player
[x] gtkPod
[x] XMMS
[x] Avd::rip
[x] dvd::rip
[x] Kino
[x] Sound Juicer CD Extractor
[x] VLC Media Player
[x] Helix Player
[x] Totem
[x] Xine
[x] GnomeBaker

[x] K3B [x] Multimedia Codecs

Programming:

[x] KompoZer[x] Bluefish[x] Quanta Plus

Other:

[x] VMware Server[x] TrueType fonts[x] Java

[x] Read-/Write support for NTFS partitions

14 Links

• gOS: <u>http://www.thinkgos.com</u>