

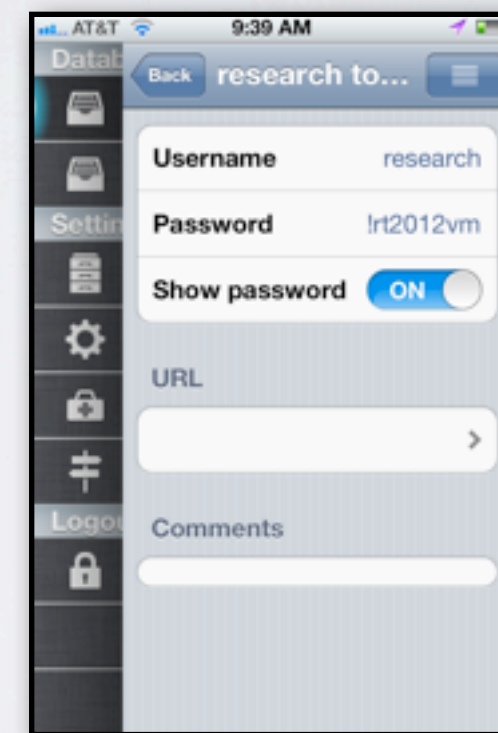
RESEARCH TOOLS 2011

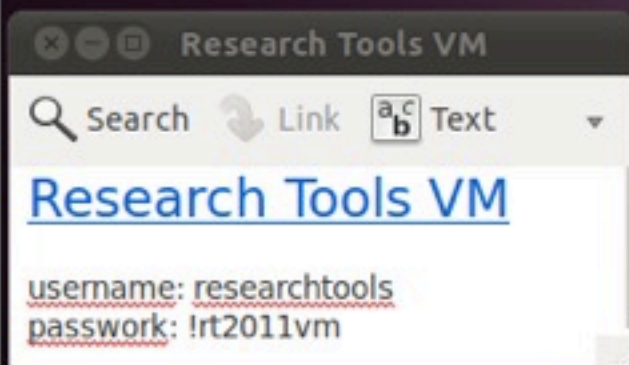
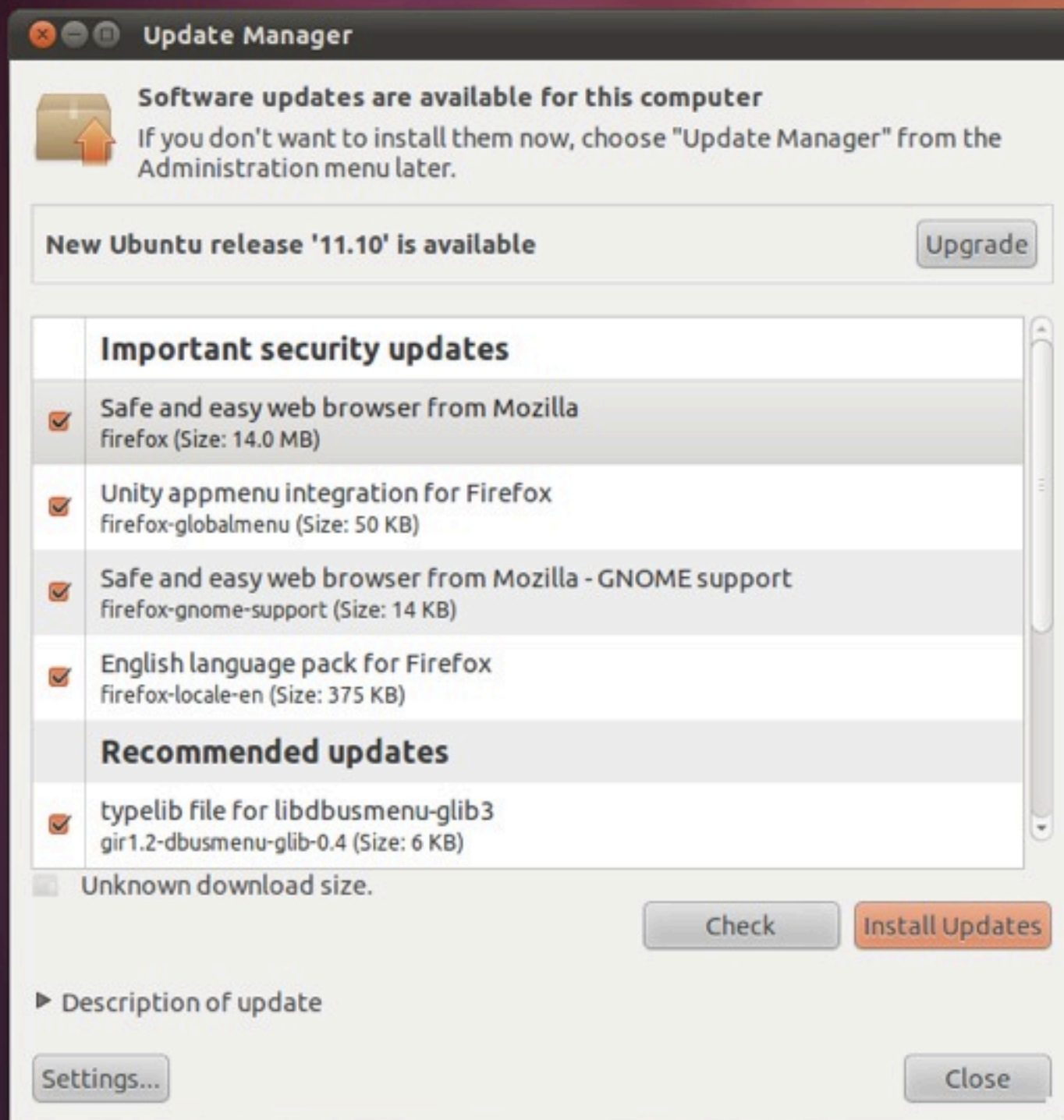
LECTURE 06



2011-Sep-15
Kurt Schwehr
<http://schwehr.org>

UNH CCOM/JHC
KeePassX and Dropbox





Periodically, Ubuntu will ask you to update. It is a very good idea to update!

Update Manager

Software updates are available for this computer
If you don't want to install them now, choose "Update Manager" from the Administration menu later.

New Ubuntu release '11.10' is available

Upgrade

Important security updates

☒ Safe and easy web browser from Mozilla
firefox (Size: 14.0 MB)

☒ Unity appmenu integration for Firefox
firefox-globalme

☒ Safe and easy
firefox-gnome-s

☒ English language
firefox-locale-en

Recommended

☒ typelib file fo
gir1.2-dbusmen

☐ Unknown down

► Description of up

Settings...

Close

Authenticate

**To install updated software,
you need to authenticate.**

An application is attempting to perform an action
that requires privileges. Authentication as one of the
users below is required to perform this action.

researchtools

Password:

► Details

Cancel Authenticate

Research Tools VM

Search Link

Research Tools VM

username: researchtools
password: !rt2011vm

Update Manager

Software updates are available for this computer
If you don't want to install them now, choose "Update Manager" from the Administration menu later.

New Ubuntu release '11.10' is available

Upgrade

Important security updates

Safe and easy web browser from Mozilla

firefox

Applying changes

Applying changes

Downloaded 384 kB of 17.7 MB

Downloading firefox

Details

Cancel

Unit

Safe

Engl

Rec

type

gir1.2-dbusmenu-glib-0.4 (Size: 6 KB)

Unknown download size.

Check

Install Updates

Description of update

Settings...

Close

Research Tools VM

Search

Link

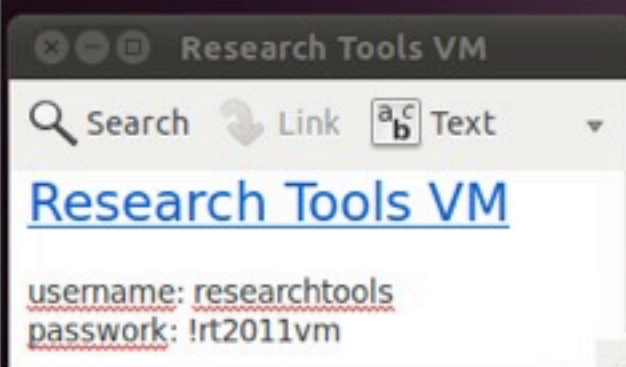
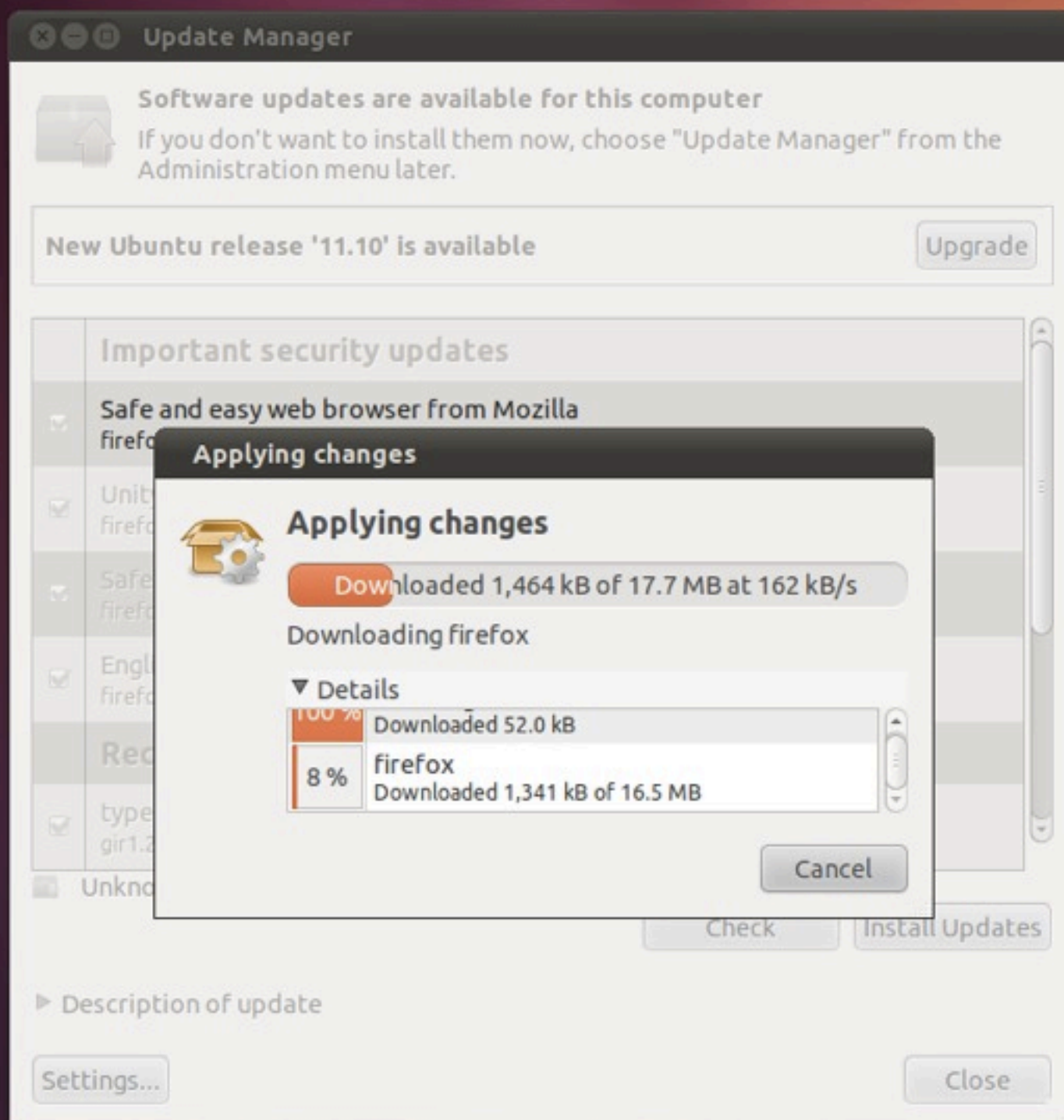
Text

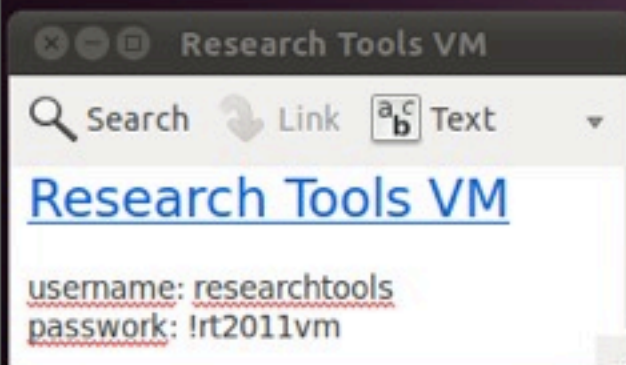
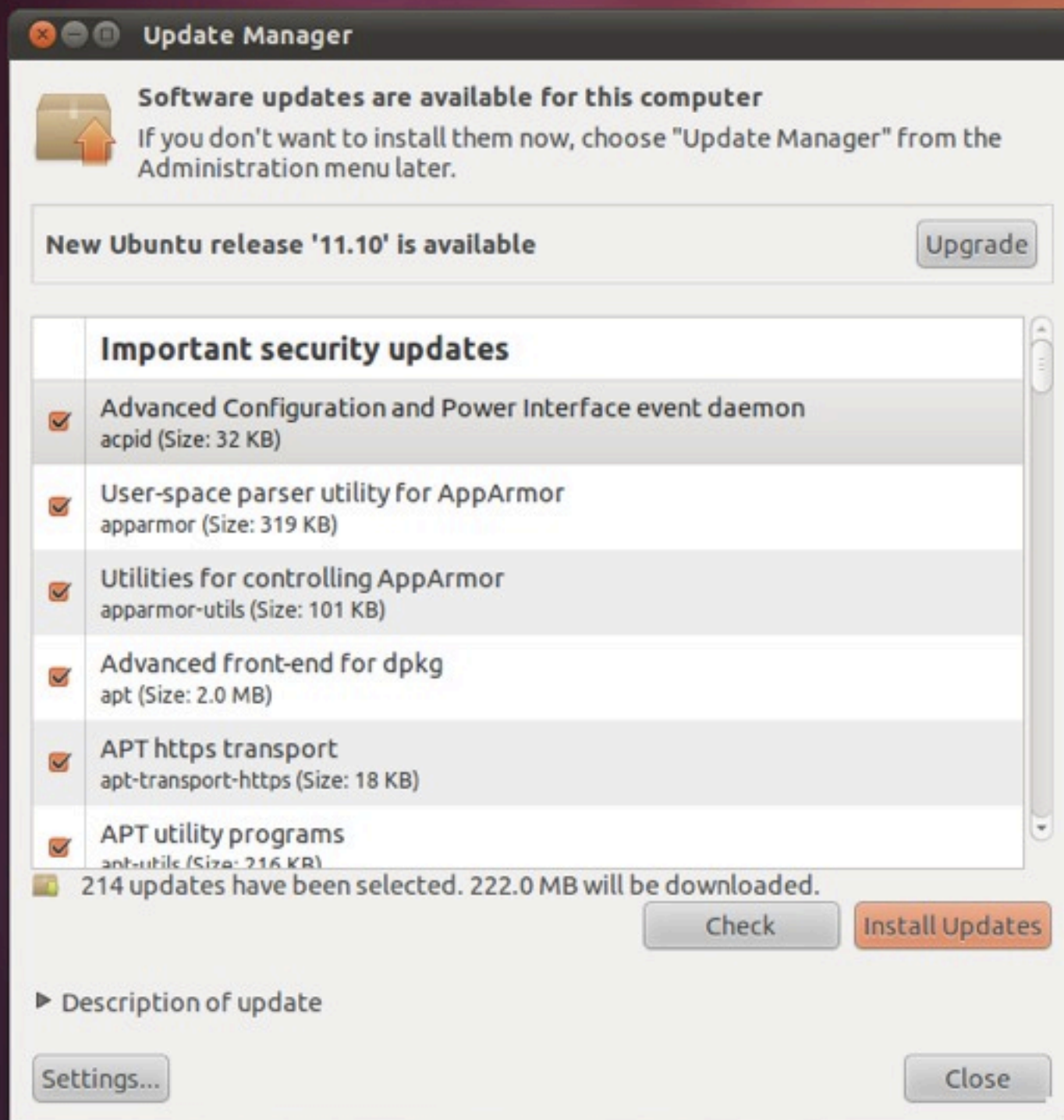
Research Tools VM

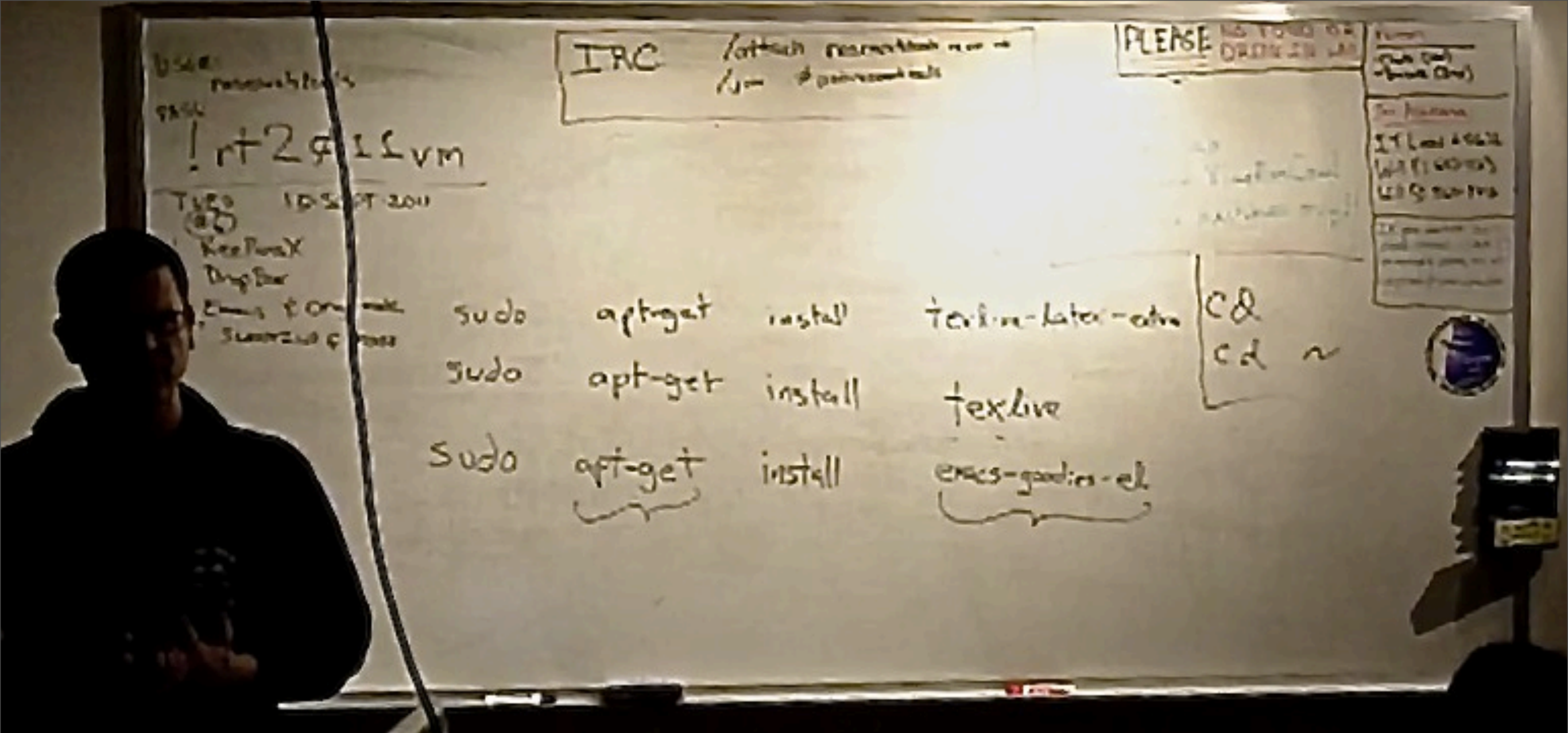
username: researchtools
password: !rt2011vm

Update Manager [Class 6: KeePassX an...] [Index of /~schwehr/C...] Research Tools VM

Saturday, June 30, 12







IRC:

```
/attach irc.freenode.net  
/join #unhresearchtools
```

INSTALL:

```
sudo apt-get install texlive-latex-extra  
sudo apt-get install texlive  
sudo apt-get install emacs-goodies-el
```


Class 6: KeePassX and Cloud storage with DropBox (DRAFT)

Table of Contents

- [Introduction](#)
- [Managing passwords with KeePassX](#)
 - [Setup KeyPassX](#)
 - [Unique passwords for each account](#)
 - [Make sure to save](#)
- [Setting up drop box](#)
 - [Limitations of dropbox](#)
 - [Security warning for cloud storage](#)
 - [Creating an account](#)
 - [Installing Drop Box](#)
 - [Getting dropbox via a web browser](#)
 - [run the installer](#)
- [Finish up](#)
- [Risks of the Cloud](#)

Introduction

Today we will

Managing passwords with KeePassX `keepassx passwords`

[KeyPassX](#) is a cross platform password manager that encrypts the data before saving it to disk. You can download a Windows or Mac version of the software [here](#). The software is already installed in your Linux virtual machine.

There are other alternatives to KeyPassX, such as [1Password](#). They do not support linux, but give you a web version:

Research Tools VM

Search Link `ac` Text

[Research Tools VM](#)

username: researchtools
password: !rt2011vm


```
researchtools@ubuntu:~$ sudo apt-get install texlive-latex-extras
```

th DropBox

- [Finish up](#)
- [Risks of the Cloud](#)

Introduction

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There are other alternatives to KeyPassX, such as [1Password](#). They do not support linux, but give you a web version:

researchtools@ubuntu: ~

File Edit View Search Terminal Help

researchtools@ubuntu:~\$ **sudo apt-get install texlive-latex-extra**

[sudo] password for researchtools:

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following extra packages will be installed:

lacheck latex-beamer latex-xcolor lmodern luatex pgf preview-latex-style
prosper ps2eps tex-common texlive-base texlive-binaries texlive-common
texlive-doc-base texlive-extra-utils texlive-font-utils
texlive-generic-recommended texlive-latex-base texlive-latex-base-doc
texlive-latex-extra-doc texlive-latex-recommended
texlive-latex-recommended-doc texlive-luatex texlive-pictures
texlive-pictures-doc texlive-pstricks texlive-pstricks-doc

Suggested packages:

auctex perl-tk dvidvi fragmaster latexmk purifyeps xindy tlutils texpower

The following NEW packages will be installed:

lacheck latex-beamer latex-xcolor lmodern luatex pgf preview-latex-style
prosper ps2eps tex-common texlive-base texlive-binaries texlive-common
texlive-doc-base texlive-extra-utils texlive-font-utils
texlive-generic-recommended texlive-latex-base texlive-latex-base-doc
texlive-latex-extra texlive-latex-extra-doc texlive-latex-recommended
texlive-latex-recommended-doc texlive-luatex texlive-pictures
texlive-pictures-doc texlive-pstricks texlive-pstricks-doc

0 upgraded, 28 newly installed, 0 to remove and 220 not upgraded.

Need to get 411 MB of archives.

After this operation, 666 MB of additional disk space will be used.

Do you want to continue [Y/n]? **y**

Research Tools VM

Search Link Text

[Research Tools VM](#)

username: researchtools

password: !rt2011vm

Today we will

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There are other alternatives to KeyPassX, such as [1Password](#). They do not support linux, but give you a web version:

researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
Processing triggers for tex-common ...
/usr/sbin/update-language-def: line 779: printf: missing unicode digit for \u
Running mktexlsr. This may take some time... done.
Running updmap-sys. This may take some time... done.
Running mktexlsr /var/lib/texmf ... done.
Setting up prosper (1.00.4+cvs.2007.05.01-4) ...
/usr/sbin/update-language-def: line 779: printf: missing unicode digit for \u
Running mktexlsr. This may take some time... done.
Setting up latex-xcolor (2.11-1) ...
mktexlsr: Updating /usr/local/share/texmf/ls-R...
mktexlsr: Updating /var/lib/texmf/ls-R-TEXMFMAIN...
mktexlsr: Updating /var/lib/texmf/ls-R-TEXLIVE...
mktexlsr: Updating /var/lib/texmf/ls-R...
mktexlsr: Done.
Setting up pgf (2.00-1) ...
mktexlsr: Updating /usr/local/share/texmf/ls-R...
mktexlsr: Updating /var/lib/texmf/ls-R-TEXMFMAIN...
mktexlsr: Updating /var/lib/texmf/ls-R-TEXLIVE...
mktexlsr: Updating /var/lib/texmf/ls-R...
mktexlsr: Done.
Setting up latex-beamer (3.07-2ubuntu1) ...
mktexlsr: Updating /usr/local/share/texmf/ls-R...
mktexlsr: Updating /var/lib/texmf/ls-R-TEXMFMAIN...
mktexlsr: Updating /var/lib/texmf/ls-R-TEXLIVE...
mktexlsr: Updating /var/lib/texmf/ls-R...
mktexlsr: Done.
researchtools@ubuntu:~$
```

Google

[UP](#) [HOME](#)

th DropBox

Research Tools VM

Search Link Text

[Research Tools VM](#)username: researchtools
password: lrt2011vm

Today we will

Managing passwords with KeePassX keepassx passwords

[KeyPassX](#) is a cross platform password manager that encrypts the data before saving it to disk. You can download a Windows or Mac version of the software [here](#). The software is already installed in your Linux virtual machine.

There are other alternatives to KeyPassX, such as [1Password](#). They do not support linux, but give you a web version:

researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
mktxlsr: Done.
Setting up pgf (2.00-1) ...
mktxlsr: Updating /usr/local/share/texmf/ls-R...
mktxlsr: Updating /var/lib/texmf/ls-R-TEXMFMAIN...
mktxlsr: Updating /var/lib/texmf/ls-R-TEXLIVE...
mktxlsr: Updating /var/lib/texmf/ls-R...
mktxlsr: Done.
Setting up latex-beamer (3.07-2ubuntu1) ...
mktxlsr: Updating /usr/local/share/texmf/ls-R...
mktxlsr: Updating /var/lib/texmf/ls-R-TEXMFMAIN...
mktxlsr: Updating /var/lib/texmf/ls-R-TEXLIVE...
mktxlsr: Updating /var/lib/texmf/ls-R...
mktxlsr: Done.
researchtools@ubuntu:~$ sudo apt-get install texlive
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  texlive-fonts-recommended texlive-fonts-recommended-doc tipa
Suggested packages:
  texlive-doc-en
The following NEW packages will be installed:
  texlive texlive-fonts-recommended texlive-fonts-recommended-doc tipa
0 upgraded, 4 newly installed, 0 to remove and 220 not upgraded.
Need to get 12.8 MB of archives.
After this operation, 31.9 MB of additional disk space will be used.
Do you want to continue [Y/n]? y
```

Research Tools VM

Search Link Text

[Research Tools VM](#)

username: researchtools
password: lrt2011vm

Managing passwords with KeePassX [keepassx passwords](#)

[KeyPassX](#) is a cross platform password manager that encrypts the data before saving it to disk. You can download a Windows or Mac version of the software [here](#). The software is already installed in your Linux virtual machine.

There are other alternatives to KeyPassX, such as [1Password](#). They do not support linux, but give you a web version:

researchtools@ubuntu: ~

File Edit View Search Terminal Help

researchtools@ubuntu:~\$ **sudo apt-get install emacs-goodies-el**

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following extra packages will be installed:

dict gawk libmaa2 librecode0 perl-doc recode

Suggested packages:

dictd dict-server

The following NEW packages will be installed:

dict emacs-goodies-el gawk libmaa2 librecode0 perl-doc recode

0 upgraded, 7 newly installed, 0 to remove and 220 not upgraded.

Need to get 9,371 kB of archives.

After this operation, 21.7 MB of additional disk space will be used.

Do you want to continue [Y/n]? **y**

Get:1 http://us.archive.ubuntu.com/ubuntu/ natty/main gawk i386 1:3.1.7.dfsg-5 [530 kB]

Get:2 http://us.archive.ubuntu.com/ubuntu/ natty/main libmaa2 i386 1.2.0-1 [60.1 kB]

Get:3 http://us.archive.ubuntu.com/ubuntu/ natty/main librecode0 i386 3.6-17 [702 kB]

Get:4 http://us.archive.ubuntu.com/ubuntu/ natty/main recode i386 3.6-17 [122 kB]

Get:5 http://us.archive.ubuntu.com/ubuntu/ natty/main dict i386 1.11.2+dfsg-3 [45.2 kB]

Get:6 http://us.archive.ubuntu.com/ubuntu/ natty/main emacs-goodies-el all 34.1ubuntu1 [798 kB]

15% [6 emacs-goodies-el 0 B/798 kB 0%]

Research Tools VM

Search Link Text

[Research Tools VM](#)username: researchtools
password: lrt2011vm

Today we will

Managing passwords with KeePassX **keepassx passwords**

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There are other alternatives to KeyPassX, such as [1Password](#). They do not support linux, but give you a web version:

researchtools@ubuntu: ~

File Edit View Search Terminal Help

researchtools@ubuntu:~\$ apt-cache search python | less

Research Tools VM

Search Link  Text

[Research Tools VM](#)


username: researchtools
password: !rt2011vm

researchtools@ubuntu: ~

File Edit View Search Terminal Help

kig - interactive geometry tool for KDE
krosspython - Python module for Kross
libdbus-1-3 - simple interprocess messaging system
libntrack0 - lightweight connectivity tracking library
libpython3.1 - Shared Python runtime library (version 3.1)
libpython3.2 - Shared Python runtime library (version 3.2)
libxml2-dbg - Debugging symbols for the GNOME XML library
plasma-scriptengine-python - Python script engine for Plasma
python - interactive high-level object-oriented language (default version)
python-all - package depending on all supported Python runtime versions
python-all-dbg - package depending on all supported Python debugging packages
python-all-dev - package depending on all supported Python development packages
python-apport - apport crash report handling library
python-apt - Python interface to libapt-pkg
python-apt-common - Python interface to libapt-pkg (locales)
python-apt-dbg - Python interface to libapt-pkg (debug extension)
python-apt-dev - Python interface to libapt-pkg (development files)
python-apt-doc - Python interface to libapt-pkg (API documentation)
python-aptdaemon - Python module for the server and client of aptdaemon
python-aptdaemon-gtk - Transitional dummy package
python-aptdaemon.gtk3widgets - Python GTK+ 3 widgets to run an aptdaemon client
:

Research Tools VM

Search Link  Text

[Research Tools VM](#)

username: researchtools
password: !rt2011vm

researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$
```



```
researchtools@ubuntu:~$ apt-cac
researchtools@ubuntu:~$ apt-cac
2310
researchtools@ubuntu:~$ apt-cac
keepassx - Cross Platform Passw
researchtools@ubuntu:~$
```

Managing passwords with KeePassX keepassx passwords

[KeyPassX](#) is a cross platform password manager that encrypts the data before saving it to disk. You can download a Windows or Mac version of the software [here](#). The software is already installed in your Linux virtual machine.

There are other alternatives to KeyPassX, such as [1Password](#). They do not support linux, but give you a web version: [1Password Support For Linux](#). KeyPassX is not available on the iPhone/iPad/Android devices, so if you have the Money, you might consider a tool like 1Password.

Setup KeyPassX

First add a quick link to the Panel across the top of Ubuntu. Right click on the gray bar at the top of the display and select "Add to Panel...". Double click "Application Launcher..." (the 2nd item from the top). Click the small arrow to the left of "Accessories", select KeePassX, and "Add". You can now close the "Add to Panel" tool.

Start KeePassX. Select "File" -> "New Database". You now need to create a "Master Key". This is the one password that will give you access to all the other passwords. If you forget this password, you will loose all your passwords!!!!

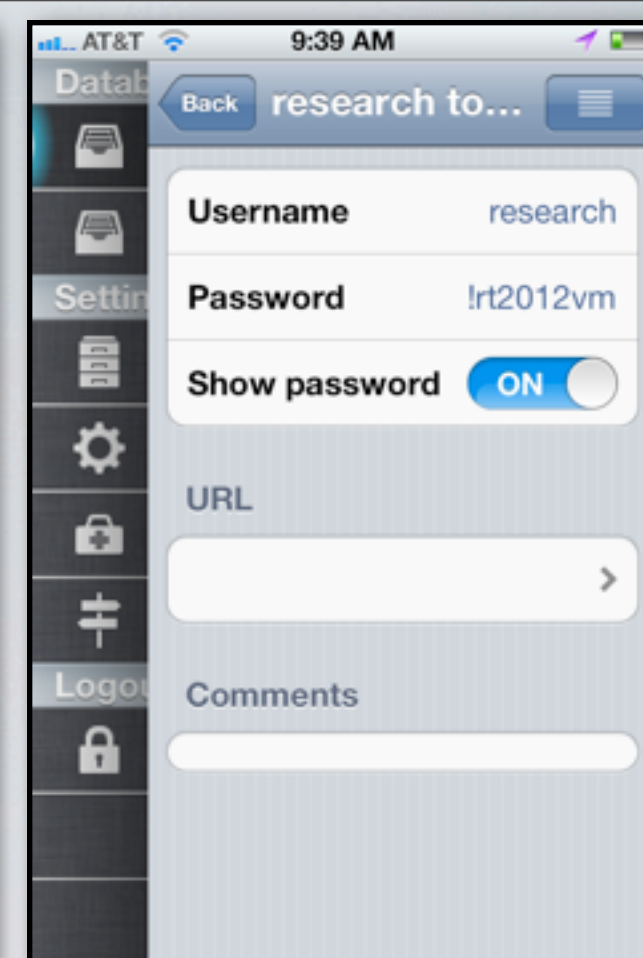
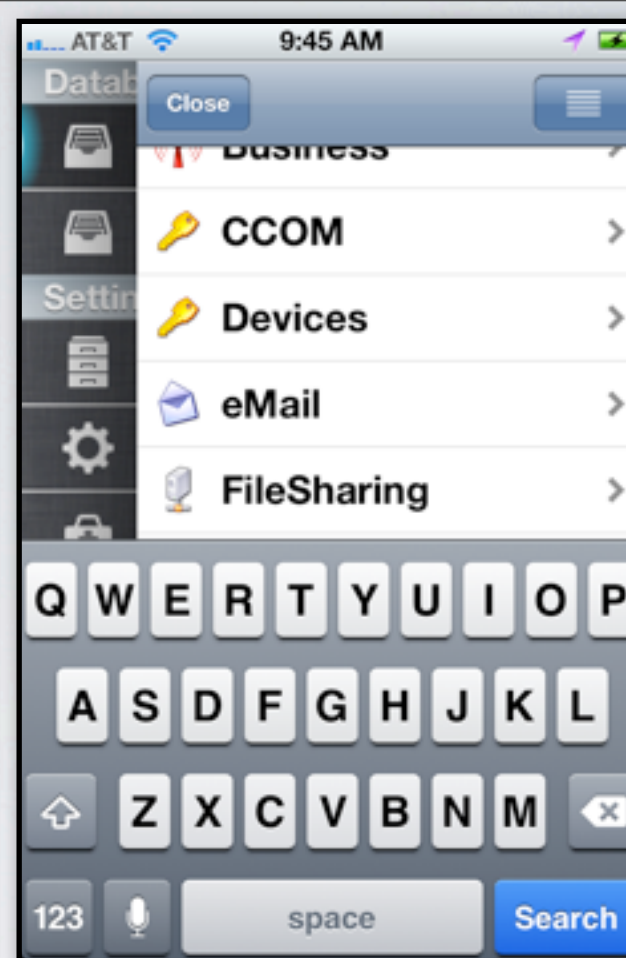
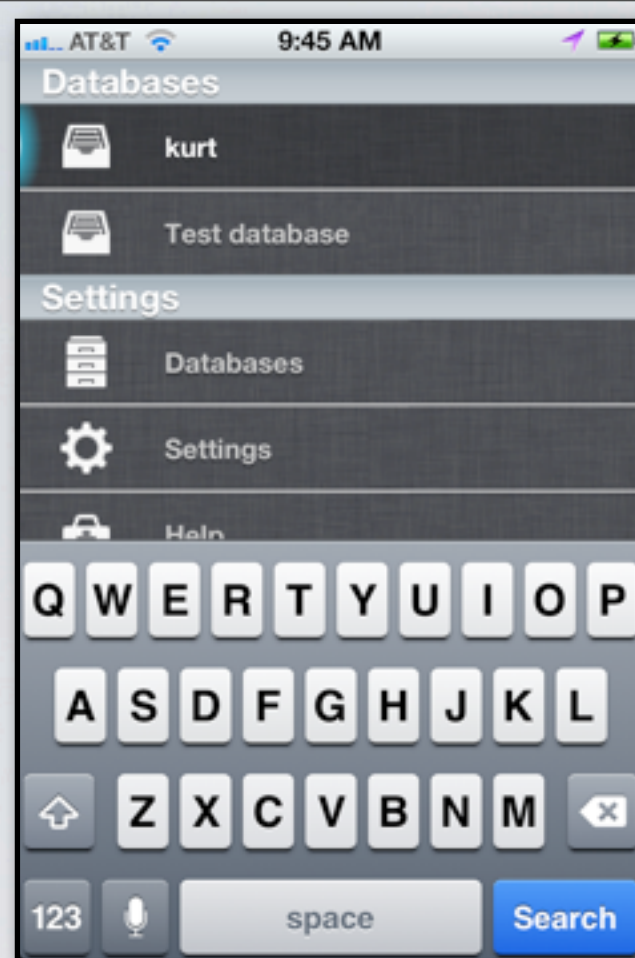
Save the KeePassX database! I named mine with my name. Later we will move this file to your DropBox file to share it with other computers that you use, but for now, put it in your home directory.

The program lets you organize passwords into groups. I have a number of passwords associated with CCOM systems and you do too. Let's create a group called "CCOM". "Groups" -> "Add New Group...". For title, put "CCOM". You can pick what ever icon you wish.

Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

Find: keepassx Previous Next Highlight all Match case



KeePassX is now on the iPhone / iPad / Android.
<http://keepass.info/download.html>

Contributed/Unofficial KeePass Ports

	KeePassPPC & KeePassSD (for PocketPC & Smart Devices; 1.x & 2.x)
	7Pass (for Windows Phone 7)
	MiniKeePass (for iPhone/iPad)
	iKeePass (for iPhone/iPad)
	MyKeePass (for iPhone/iPad)
	KyPass (for iPhone/iPad)
	KeePassDroid (for Android; at Google Play)
	KeePassMobile (for J2ME / mobile phones)
	KeePassJ2ME (for J2ME / mobile phones)
	KeePassBB (for BlackBerry; compat. with KeePass 1.x)
	KeePassBB2 (for BlackBerry; compat. with KeePass 2.x)
	Export to Keyring (for Palm OS)
	KeePassX (for Linux / Mac OS X; compat. with KeePass 1.x)

Note that KeePass 2.x runs under Linux / Mac OS X, too; see [Running KeePass under Mono](#).

ApplicationsPlacesSystem

researchtools@ubuntu: ~

FileEditViewSearchTerminalHelp

researchtools@ubuntu:~\$ apt-cache search keepassx
researchtools@ubuntu:~\$ apt-cache search less
2310
researchtools@ubuntu:~\$ apt-cache search wc -l
researchtools@ubuntu:~\$ apt-cache search ssx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~\$

Add to Panel...
Properties
Delete This Panel
New Panel
Help
About Panels

Google

You can download a virtual machine.
give you a web version:
s, so if you have the Money,
op of the display and select the small arrow to the left of
This is the one password that your passwords!!!!
ur DropBox file to share it

The program lets you organize passwords into groups. I have a number of passwords associated with CCOM systems and you do too. Let's create a group called "CCOM". "Groups" -> "Add New Group...". For title, put "CCOM". You can pick what ever icon you wish.
Select the CCOM group.
You can now create password entries for web pages, computers, and other software. I also often put license keys for software in as entries. "Entries" -> "Add New Entry"
Now create an entry for the virtual machine:

Field	Value
Title	Virtual Machine, Research Tools 2011


[Update Manager]

Class 6: KeePassX and...

researchtools@ubunt...


```
researchtools@ubuntu: ~
File Edit View Search Terminal Help

researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$
```

 Google

you can download a virtual machine.


you a web version: if you have the Money,

of the display and select small arrow to the left of


is the one password that passwords!!!!

ropBox file to share it


with CCOM systems and t "CCOM". You can pick


Add to Panel


Find an item to add to the panel:




Custom Application Launcher
 Create a new launcher




Application Launcher...
 Copy a launcher from the applications menu




Brightness Applet
 Adjusts Laptop panel brightness




Character Palette
 Insert characters




Clock
 Get the current time and date




Connect to Server...
 Connect to a remote computer or shared disk



CPU Frequency Scaling Monitor
 Monitor the CPU Frequency Scaling



Disk Mounter
 Mount local disks and devices



Drawer
 A pop out drawer to store other items in

Help

Back

Forward

Close

The prog
you do t
what eve

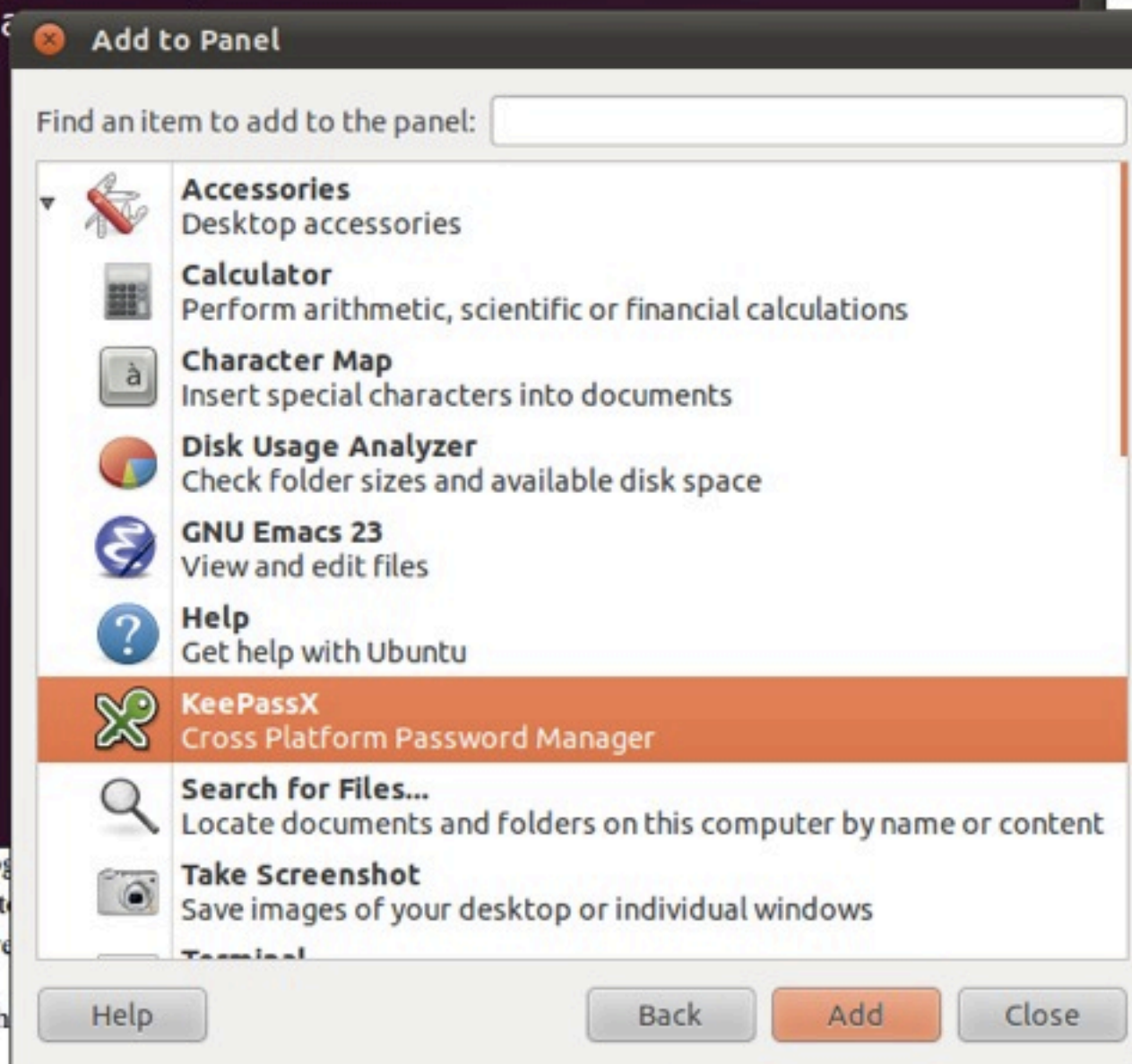
Select th

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Field	Value
Title	Virtual Machine, Research Tools 2011


```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$
```



The prog
you do to
what eve

Select the

You can now create password entries for web pages, computers, and other software. I also often put license keys for software in as entries. "Entries" -> "Add New Entry"

Now create an entry for the virtual machine:

Field	Value
Title	Virtual Machine, Research Tools 2011

Applications Places System
researchtools@ubuntu: ~
File Edit View Search Terminal Help
researchtools@ubuntu:~\$ apt-cac
researchtools@ubuntu:~\$ apt-cac
2310
researchtools@ubuntu:~\$ apt-cac
keepassx - Cross Platform Passw
researchtools@ubuntu:~\$

schwehr / researchtools / source — Bitbucket - Mozilla Firefox
File Edit View History Delicious Bookmarks Tools Help

Atlassian, Inc. (US) https://bitbucket.org/schw... :bucket schwehr

Index of /~schwehr/Classes... Class 6: KeePassX and Clou... schwehr / researchtools / s...

```
11
12 Plus, not all of these packages are in the vm-20110908 virtual machine.
13
14 * TODO not yet done and I can at least think of them
15
16 - [ ] qgis-grass-plugin
17 - [ ] mapserver
18 - [ ] mapnik
19 - [ ] package mbsystem as a debian .deb
20 - [ ] Notes from mbsystem mailing list / poseidonlinux on how to build a really small vm
21
22 * Introduction
23
24 - https://help.ubuntu.com/community/UbuntuScience
25 - http://www.poseidonlinux.org/
26
27 * Installing packages via built in deb
28
29 ** Account utilities - file and password management
30
31 #+BEGIN_SRC sh
32 sudo apt-get install keepassx
33 #+END_SRC
34
35 For dropbox, see [[http://vislab-ccom.unh.edu/~schwehr/rt/6-keepassx-dropbox.html][Lecture 6: KeePassX and
36
37 ** Misc Science
38
39 #+BEGIN_SRC sh
40 sudo apt-get install octave3.2 # Similar syntax to matlab
41 sudo apt-get install r-base r-cran-mapttools # GNU R statistical computation and graphics system
42 sudo apt-get install libkml0
43 sudo apt-get install gnudatalanguage # aka gdl. Compatible with Interactive Data Language (IDL)
44 #+END_SRC
45
46 ** Emacs text editor
47
48 #+BEGIN_SRC sh
49 sudo apt-get install emacs23
50 sudo apt-get install org-mode
51 sudo apt-get install bbdb yasnippet pymacs css-mode debian-el dictionary-el easypg edb emacs-jabber erc
52 sudo apt-get install id-utils liece magit mell python-mode python-ropemacs riece slime wget-el yaml-mode
53 #+END_SRC
54
```

Find: keepassx Previous Next Highlight all Match case

vislab-ccom.unh.edu/~schwhehr/Classes/2011/es

Index of / schwabr/Classes Class 6: KeePassX and GnuPG

Index of /~schweni/Classes... Class 6. KeePassX and Clou...

0 0 1

Manager Help

URL	Message	URI	Response	Comments
http://www.

on the iPhone/iPad/Android devices, so if

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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luncher..." (the 2nd item from the top).

(continued)

100	100
-----	-----

your home directory.

ups" -> "Add New Group...". For title, put

Select the CCOM group.

Find: Previous Next Highlight all Match case

Saturday, June 30, 12


```
researchtools@ubuntu: ~  
File Edit View Search Terminal Help  
researchtools@ubuntu:~$ apt-cac  
researchtools@ubuntu:~$ apt-cac  
2310  
researchtools@ubuntu:~$ apt-cac  
keepassx - Cross Platform Passw  
researchtools@ubuntu:~$
```

Class 6: KeePassX and Cloud storage with DropBox (DRAFT) - Mozilla Firefox

File Edit View History Delicious Bookmarks Tools Help

vislab-ccom.unh.edu/~schwehr/Classes/2011/es

Index of /~schwehr/Classes... Class 6: KeePassX and Clou...

Managing passwords with KeePassX

keepassx passwords

KeePassX - Password Manager

File Entries Groups View Extras Help

Groups

New Database

Set Master Key

Enter a Password and/or choose a key file.

Key

☒ Password:

☐ Key File: Browse...

Generate Key File...

Cancel OK

pts the data before saving it to disk. You can
The software is already installed in your Linux

rd. They do not support linux, but give you a web
available on the iPhone/iPad/Android devices, so if
word.

Right click on the gray bar at the top of the
tion Launcher..." (the 2nd item from the top).
ePassX, and "Add". You can now close the "Add

need to create a "Master Key". This is the one
ls. If you forget this password, you will loose all

Later we will move this file to your DropBox file
out it in your home directory.

Ready

Search Link Text

Pick a good password

I am using "demo".
You should use a very secure password.
DO NOT LOOSE THIS PASSWORD!

The program lets you organize passwords into groups. I have a number of passwords associated with CCOM systems and you do too. Let's create a group called "CCOM". "Groups" -> "Add New Group...". For title, put "CCOM". You can pick what ever icon you wish.

Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

Find: keepassx Previous Next Highlight all Match case


```
researchtools@ubuntu: ~
File Edit View Search Terminal Help
researchtools@ubuntu:~$ apt-cac
researchtools@ubuntu:~$ apt-cac
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researchtools@ubuntu:~$ apt-cac
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researchtools@ubuntu:~$
```

Class 6: KeePassX and Cloud storage with DropBox (DRAFT) - Mozilla Firefox

File Edit View History Delicious Bookmarks Tools Help

vislab-ccom.unh.edu/~schwehr/Classes/2011/es

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KeePassX - Password Manager

File Entries Groups View Extras Help

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Set Master Key

Enter a Password and/or choose a key file.

Key

Please repeat your password:

Back

Cancel OK

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Select the CCOM group.

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Find: keepassx Previous Next Highlight all Match case

[new]* - KeePassX

File Entries Groups View Extras Help

Groups

- Internet
- eMail

Title	Username	URL	Password	Comments

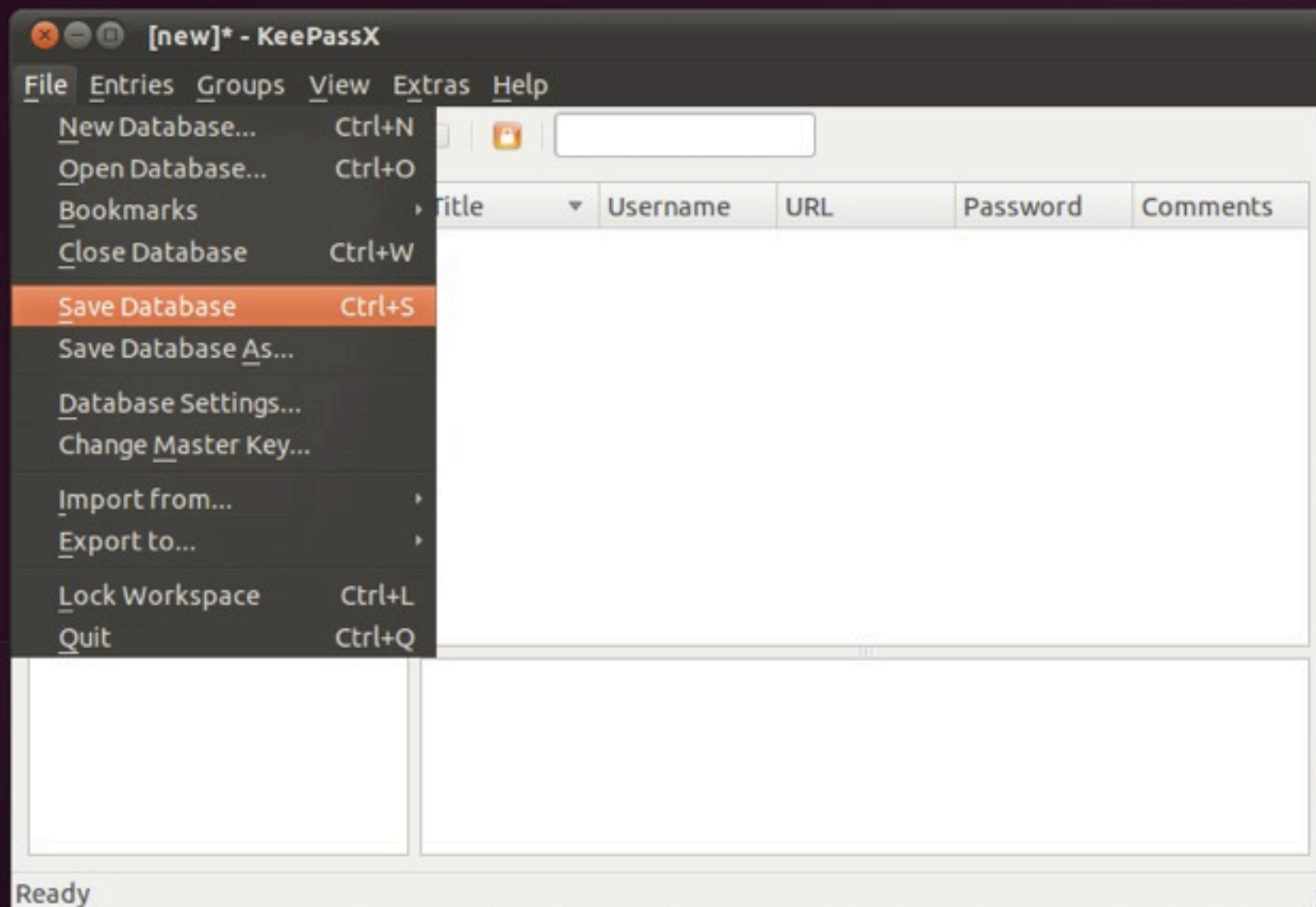
Ready

Search Link Text

Pick a good password

I am using "demo".
You should use a very secure password.
DO NOT LOOSE THIS PASSWORD!


```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$
```



"CCOM". You can pick what ever icon you wish.

Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

Find: keepassx Previous Next Highlight all Match case

researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
```

Save Database...

Name: kurt

Save in folder: researchtools

▼ Browse for other folders

researchtools

Create Folder

Places	Name	Size	Modified
Search	class		Thursday
Recently Used	Desktop		Tuesday
researchtools	Documents		Tuesday
Desktop	Downloads		Tuesday
File System	Music		Tuesday
Floppy Drive	Pictures		Tuesday
Documents	Public		Tuesday
Music	Templates		Tuesday
Pictures	test		Tuesday
Videos	Videos		Tuesday
Downloads			

Add

Remove

Keepass Databases

Cancel

Save

bucket schwehr

words

ing it to disk. You can installed in your Linux

linux, but give you a web Pad/Android devices, so if

bar at the top of the and item from the top). you can now close the "Add

er Key". This is the one sword, you will loose all

we will move this file to your DropBox file your home directory.

mber of passwords associated with CCOM ups" -> "Add New Group...". For title, put

nd other software. I also often put license

ghlight all ☐ Match case

researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$
```

/home/researchtools/kurt.kdb - KeePassX

File Entries **Groups** View Extras Help

Add New Group... Ctrl+G

Add New Subgroup...

Edit Group...

Delete Group

Sort groups

Groups

- Internet
- eMail

Username	URL	Password	Comments
----------	-----	----------	----------

Ready

bucket schwehr

words

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Find: keepassx

Previous Next Highlight all Match case

"CCOM". You can pick what ever icon you wish.

Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license




```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$
```

/home/researchtools/kurt.kdb - KeePassX

File Entries Groups View Extras Help

Groups

- Internet
- eMail

Title	Username	URL	Password	Comments
<div> <div>Group Properties</div> <div>Title: CCOM</div> <div>Icon:  </div> <div> <div>Cancel</div> <div>OK</div> </div> </div>				

Ready

words

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installed in your Linux

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Pad/Android devices, so if

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Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

Find: keepassx Previous Next Highlight all Match case


```
researchtools@ubuntu: ~
File Edit View Search Terminal Help
researchtools@ubuntu:~$ ap
researchtools@ubuntu:~$ ap
2310
researchtools@ubuntu:~$ ap
keepassx - Cross Platform
researchtools@ubuntu:~$
```

```
che search python | less
che search python | wc -l
che search keepassx
word Manager
```

bucket schwehr

/home/researchtools/k

File Entries Groups View Extr

Groups

- Internet
- eMail

Ready

KeePassX

Username URL Password Comments

Properties

Title:

Icon:

Cancel OK

words

ing it to disk. You can
installed in your Linux

linux, but give you a web
Pad/Android devices, so if

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Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

Find: keepassx Previous Next Highlight all Match case

researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$
```

/home/researchtools/kurt.kdb* - KeePassX

File Entries Groups View Extras Help

Add New Entry... Ctrl+Y

Clone Entry Ctrl+K

View/Edit Entry... Ctrl+E

Delete Entry Ctrl+D

Perform AutoType Ctrl+V

Copy Username to Clipboard Ctrl+B

Copy Password to Clipboard Ctrl+C

Open URL Ctrl+U

Copy URL to Clipboard Ctrl+I

Save Attachment As...

Search in Database... Ctrl+F

Search in this Group...

Group	Username	URL	Password	Comments
	****		*****	Ubuntu Lin...

Research Tools 2011 Virtual Machine (VM)

Group:	CCOM	Creation:	06/30/2012
Username:	****	Access:	06/30/2012
Password:	****	Modification:	06/30/2012
		:	
Attachment		Expiration:	Never [-]

Ready

bucket schwehr

words

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linux, but give you a web Pad/Android devices, so if

bar at the top of the and item from the top). you can now close the "Add

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Find: keepassx Previous Next Highlight all Match case

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Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$
```

/home/researchtools/kurt.kdb* - K

File Entries Groups View Extras Help

Groups

- Internet
- eMail
- CCOM

Title

Ready

Research Tools 2011 Virtual Machine (VM)

New Entry

Group: CCOM Icon:

Title: Research Tools 2011 Virtual Machine (VM)

Username: researchtools

URL:

Password: !rt2011vm

Repeat: !rt2011vm

Quality: 72 Bit

Comment: Ubuntu Linux 11.04 ESCI 893-03

Expires: 1/1/00 12:00 AM ☒ Never

Attachment:

bucket schwehr

words

ing it to disk. You can installed in your Linux

linux, but give you a web Pad/Android devices, so if

bar at the top of the and item from the top). you can now close the "Add

er Key". This is the one sword, you will loose all

will move this file to your DropBox file r home directory.

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Find: keepassx ☐ Match case

"CCOM". You can pick what ever icon you wish.

Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$
```

/home/researchtools/kurt.kdb* - KeePassX

File Entries Groups View Extras Help

Groups: Internet, eMail, **CCOM**

Add New Entry

Title	Username	URL	Password	Comments
Research...	*****		*****	Ubuntu Lin...

Research Tools 2011 Virtual Machine (VM)

Group:	CCOM	Creation:	06/30/2012
Username:	****	Access:	06/30/2012
Password:	****	Modification:	06/30/2012
Attachment:		Expiration:	Never [-]

Ready

bucket schwehr

words

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Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

Find: keepassx Previous Next Highlight all Match case

test

New Entry

Group: CCOM Icon:

Title:

Username:

URL:

Password: Gen.

Repeat:

Quality: 0 Bit

Comment:

Expires: 1/1/00 12:00 AM Never

Attachment:

Tools Cancel OK

Password Generator

Random Pronounceable Custom

Use following character groups:

- ☒ Upper Letters
- ☒ Lower Letters
- ☒ Numbers
- ☒ Exclude look-alike characters
- ☒ Ensure that password contains characters from every group
- ☒ White Spaces
- ☒ Minus
- ☒ Underline
- ☒ Special Characters

Options

Length: 25 Quality: 163 Bits

☐ Enable entropy collection ☒ Collect only once per session

New Password: =_f5g=ZKd_%<A9i_B@iF^-yf Generate

Cancel OK

Research Tools 2011 Virtual Machine (VM)	
Group:	CCOM
Username:	****
Password:	****
Attachment	
Creation:	06/30/2012
Access:	06/30/2012
Modification:	06/30/2012
Expiration:	Never [-]

"CCOM". You can pick what ever icon you wish.

Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

Find: Previous Next Highlight all ☐ Match case

New Entry

Group: CCOM Icon:

Title:

Username:

URL:

Password: Gen.

Repeat:

Quality: 0 Bit

Comment:

Expires: 1/1/00 12:00 AM Never

Attachment:

Tools Cancel OK

Password Generator

Random Pronounceable Custom

☒ Lower Letters

☒ Upper Letters

☒ Numbers

☐ Special Characters

Options

Length: 25 Quality: 149 Bits

☐ Enable entropy collection ☒ Collect only once per session

New Password: Generate

Cancel OK

Research Tools 2011 Virtual Machine (VM)	
Group:	CCOM
Username:	****
Password:	****
Attachment	
Creation:	06/30/2012
Access:	06/30/2012
Modification:	06/30/2012
Expiration:	Never [-]

"CCOM". You can pick what ever icon you wish.

Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

Find: Previous Next Highlight all ☐ Match case

New Entry

Group: CCOM Icon:

Title:

Username:

URL:

Password: Gen.

Repeat:

Quality: 0 Bit

Comment:

Expires: 1/1/00 12:00 AM Never

Attachment:

Tools Cancel OK

Password Generator

Random Pronounceable Custom

Use following character groups:

☐ Upper Letters ☐ White Spaces ☐ Special Characters

☒ Lower Letters ☐ Minus

☒ Numbers ☐ Underline

☒ Exclude look-alike characters

☒ Ensure that password contains characters from every group

Options

Length: 15 Quality: 76 Bits

☐ Enable entropy collection ☒ Collect only once per session

New Password: bbd3q7wyrhg69x5 Generate

Cancel OK

Ready

Research Tools 2011 Virtual Machine (VM)			
Group:	CCOM	Creation:	06/30/2012
Username:	****	Access:	06/30/2012
Password:	****	Modification:	06/30/2012
		:	
Attachment		Expiration:	Never [-]

"CCOM". You can pick what ever icon you wish.

Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license

Find: Previous Next Highlight all ☐ Match case

test

New Entry

Group: CCOM

Icon:

Title: test

Username: test

URL:

Password: bbd3q7wyrhg69x5

Gen.

Repeat: bbd3q7wyrhg69x5

Gen.

Quality: 120 Bit

Comment:

Expires: 1/1/00 12:00 AM

Never

Attachment:

Tools

Cancel

OK

python | less

python | wc -l

keepassx

URL	Password	Comments
	*****	Ubuntu Lin...

bucket schwehr

words

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Find: keepassx

Previous Next Highlight all Match case

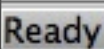
Ready

Research Tools 2011 Virtual Machine (VM)			
Group:	CCOM	Creation:	06/30/2012
Username:	****	Access:	06/30/2012
Password:	****	Modification:	06/30/2012
		:	
Attachment		Expiration:	Never [-]

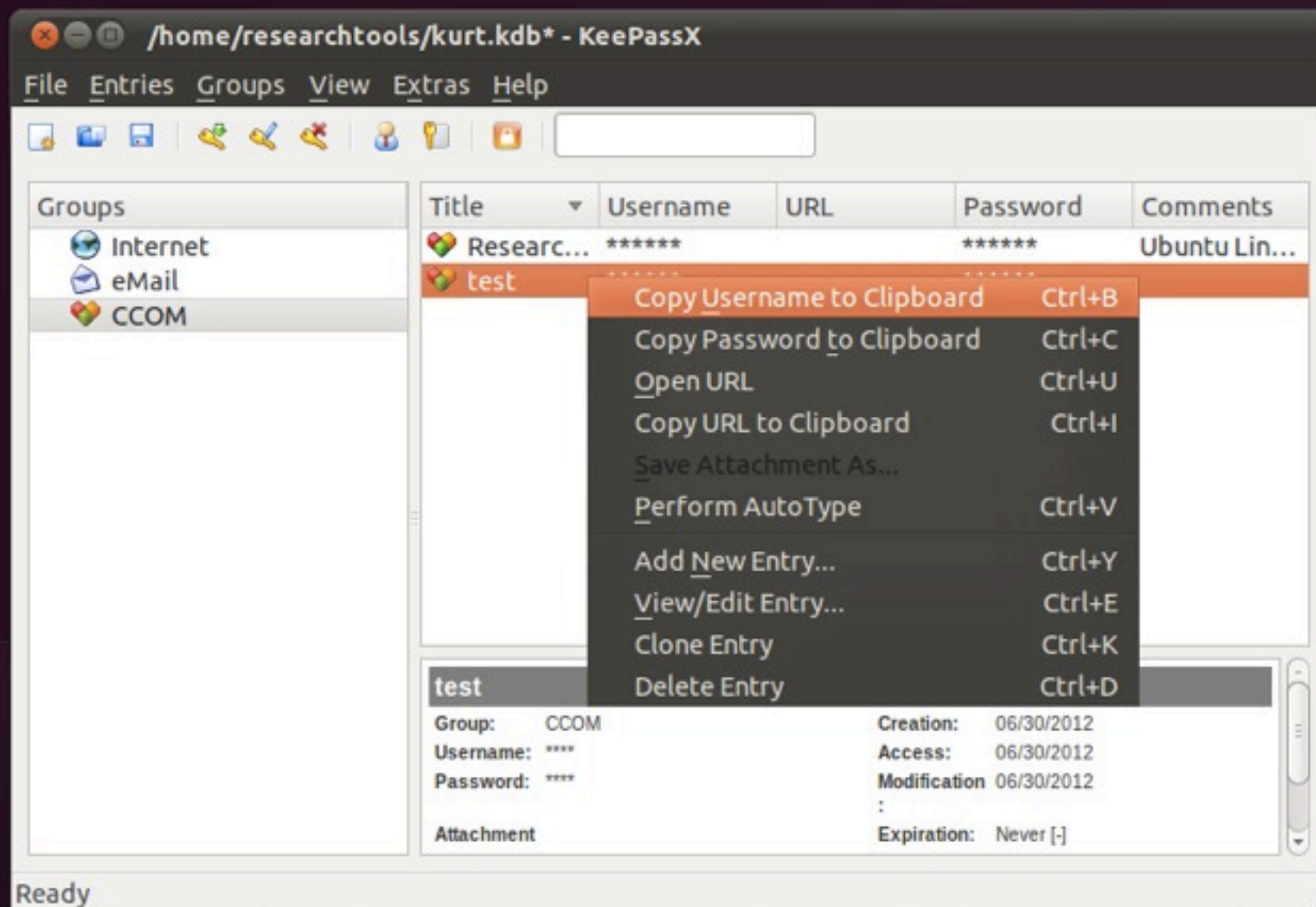
"CCOM". You can pick what ever icon you wish.

Select the CCOM group.

You can now create password entries for web pages, computers, and other software. I also often put license



Applications Places System
researchtools@ubuntu: ~
File Edit View Search Terminal Help
researchtools@ubuntu:~\$ apt-cache search python | less
researchtools@ubuntu:~\$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~\$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~\$




```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$ test
```

The screenshot shows the KeePassX application window. The title bar reads "/home/researchtools/kurt.kdb* - KeePassX". The menu bar includes File, Entries, Groups, View, Extras, and Help. The toolbar contains icons for file operations and security. The main window is divided into two panes. The left pane, titled "Groups", lists "Internet", "eMail", and "CCOM". The right pane displays a table of password entries. The table has columns for Title, Username, URL, Password, and Comments. Two entries are visible: "Research..." and "test". The "test" entry is selected, and its details are shown in the bottom right pane. The details pane shows the following information:

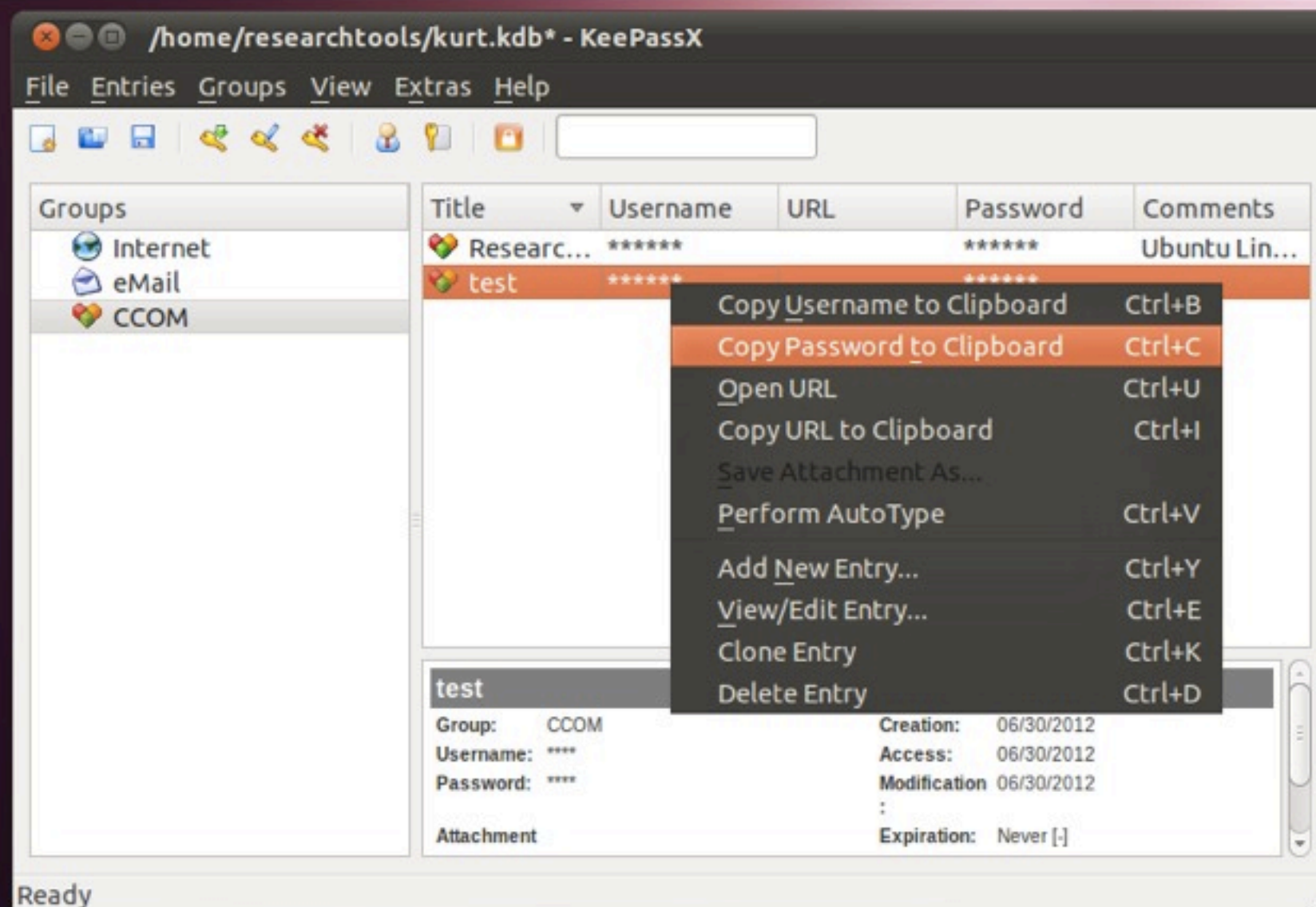
test	
Group:	CCOM
Username:	****
Password:	****
Attachment	
Creation:	06/30/2012
Access:	06/30/2012
Modification:	06/30/2012
:	:
Expiration:	Never [-]

The status bar at the bottom left of the window displays the text "Ready".

researchtools@ubuntu: ~

File Edit View Search Terminal Help

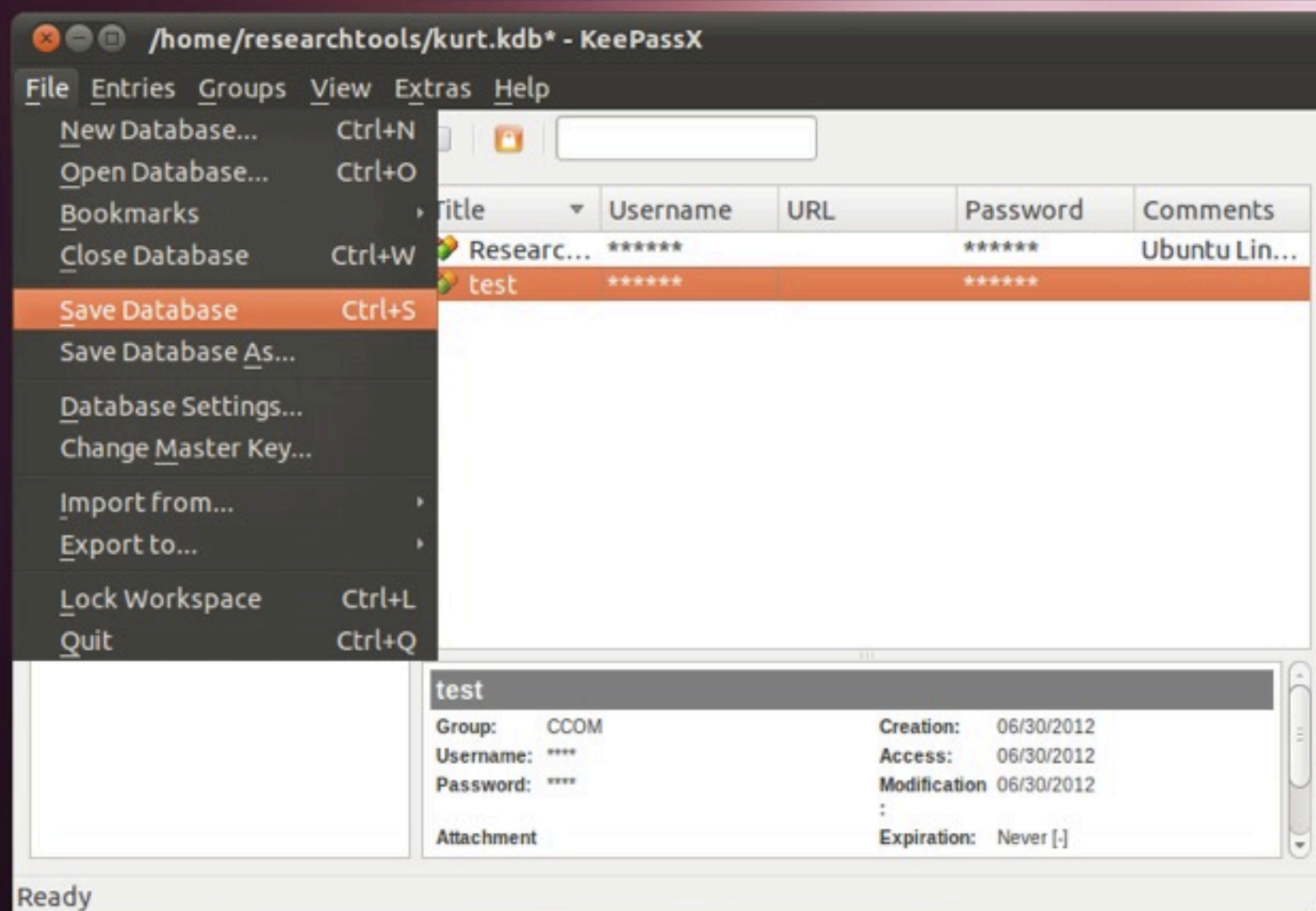
```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$ test
researchtools@ubuntu:~$
```

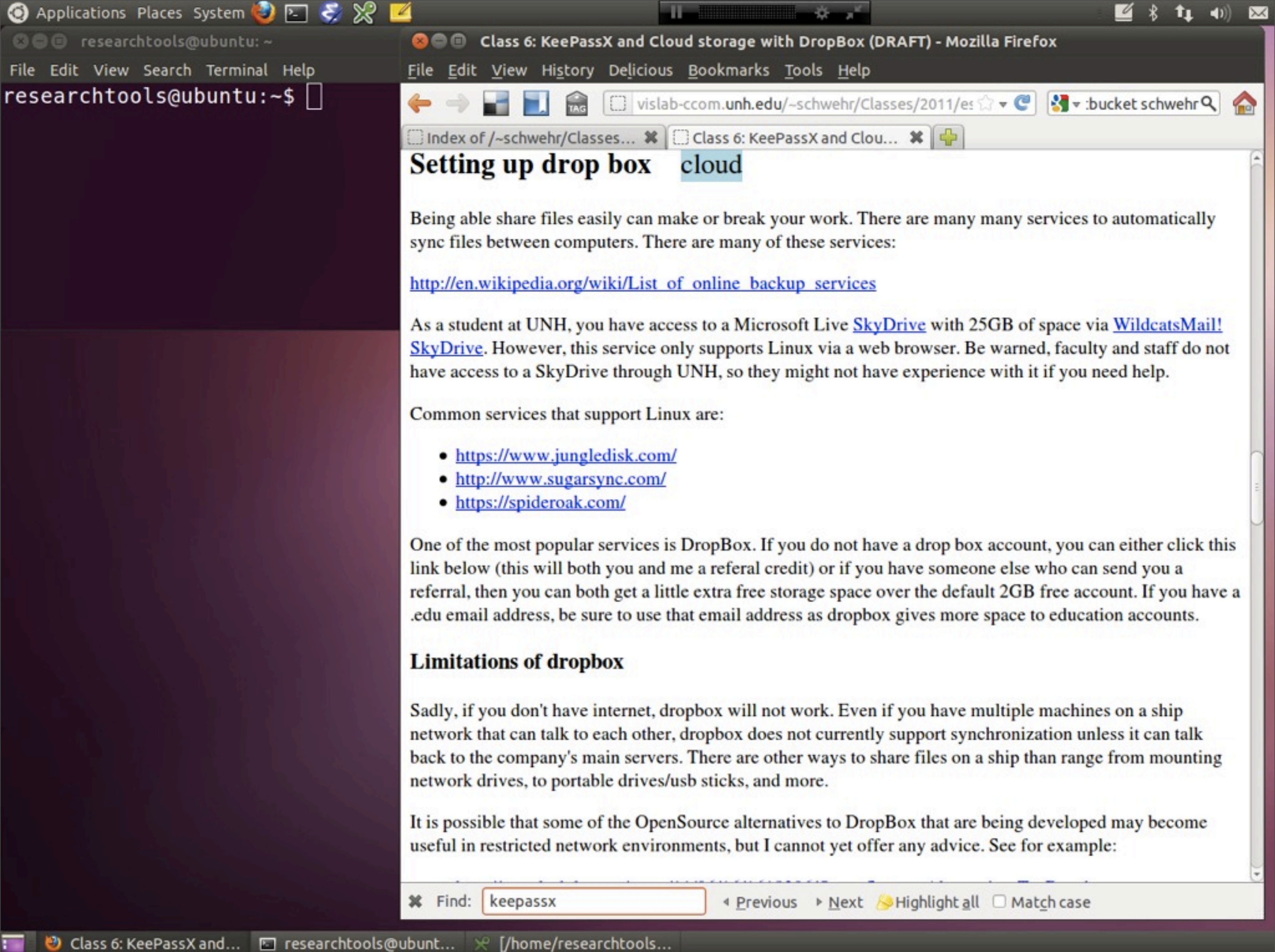


researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
researchtools@ubuntu:~$ apt-cache search python | less
researchtools@ubuntu:~$ apt-cache search python | wc -l
2310
researchtools@ubuntu:~$ apt-cache search keepassx
keepassx - Cross Platform Password Manager
researchtools@ubuntu:~$ test
researchtools@ubuntu:~$ bbd3q7wyrhg69x5
```





Setting up drop box cloud

Being able share files easily can make or break your work. There are many many services to automatically sync files between computers. There are many of these services:

http://en.wikipedia.org/wiki/List_of_online_backup_services

As a student at UNH, you have access to a Microsoft Live [SkyDrive](#) with 25GB of space via [WildcatsMail! SkyDrive](#). However, this service only supports Linux via a web browser. Be warned, faculty and staff do not have access to a SkyDrive through UNH, so they might not have experience with it if you need help.

Common services that support Linux are:

- <https://www.jungledisk.com/>
- <http://www.sugarsync.com/>
- <https://spideroak.com/>

One of the most popular services is DropBox. If you do not have a drop box account, you can either click this link below (this will both you and me a referral credit) or if you have someone else who can send you a referral, then you can both get a little extra free storage space over the default 2GB free account. If you have a .edu email address, be sure to use that email address as dropbox gives more space to education accounts.

Limitations of dropbox

Sadly, if you don't have internet, dropbox will not work. Even if you have multiple machines on a ship network that can talk to each other, dropbox does not currently support synchronization unless it can talk back to the company's main servers. There are other ways to share files on a ship than range from mounting network drives, to portable drives/usb sticks, and more.

It is possible that some of the OpenSource alternatives to DropBox that are being developed may become useful in restricted network environments, but I cannot yet offer any advice. See for example:

Find: Previous Next Highlight all Match case


researchtools@ubuntu: ~
File Edit View Search Terminal Help
researchtools@ubuntu:~\$

Dropbox - Simplify your life - Mozilla Firefox


File Edit View History Delicious Bookmarks Tools Help

dropbox.com https://www.dropbox.com


Index of /~schwehr... Class 6: KeePassX a... Dropbox - Downloa... Dropbox - Simplify ...



Dropbox



Watch a Video

 Download Dropbox

Free for [Windows](#), [Mac](#), [Linux](#), and [Mobile](#)

Find: keepassx Previous Next Highlight all Match case

Security warning for cloud storage

Remember that this is a company storing your files on their servers. They have a privacy policy that says they will not look at your files, but that does not guarantee that they will not be hacked or that a government agency might force them to reveal your files. Additionally, it might be illegal to save certain types of data to the cloud (for example, confidential personal data or restricted data such as ITAR controlled material).

Think before putting files into a cloud drive!!!

You can encrypt data before putting into the service for extra protection. For example, KeyPassX does not store your raw passwords, so it should be safe for use with DropBox.

An example of one of the security issues:

<http://it.slashdot.org/story/11/04/08/1838220/Dropbox-Authentication-Insecure-By-Design>

Creating an account

This is my referral link. Please feel free to use a referral from someone else.

<http://db.tt/qj5etLX>

NOTE: I am not sure if it really is okay for a professor to give out a referral URL in class. If you are not comfortable with that, get a referral from someone you know who already has a dropbox account. You do not want to miss out on a little extra free space.

You can get extra space by referring other people you know (be warned that other people might not appreciate the invite). Once you have signed in, make sure to go to this address to verify that are getting credit for your educational account and to get extra free space.

<https://www.dropbox.com/edu>

You can pay for more space if you desire, but for this class, I am assuming that you only have the base free account. You will not need more space than that for the class.

Referral URL for dropbox:

Search Link Text

[Referral URL for dropbox:](http://db.tt/qj5etLX)

<http://db.tt/qj5etLX>

researchtools@ubuntu: ~
File Edit View Search Terminal Help
researchtools@ubuntu:~\$

Information Technology | Windows Live SkyDrive - Mozilla Firefox

File Edit View History Delicious Bookmarks Tools Help

tps.unh.edu/software-services/windows-live-sk Microsoft skydrive

WildcatsMail | Your UNH E... Information Technology | W...



UNIVERSITY of NEW HAMPSHIRE Information Technology

Search this

UNH-IT Home TPS Home Premium Services Repair Services Servers

Technical Professional Services

Computer Repair Services

Premium Services

Software Services

Software Services

Campus Antivirus

Apple Education Licensing

WildcatsMail

Windows Live SkyDrive

Get access to Windows Live SkyDrive through Live@EDU!

Easily create, upload and share files with anyone you choose— including an entire social network.

In May 2011, Login with your UNH account...

username@wildcats.unh.edu

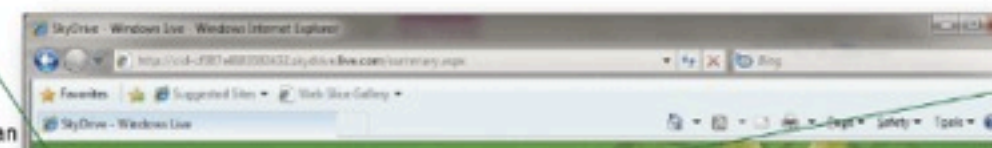
...and get all the benefits of Windows Live SkyDrive!

- Create, view, edit, and share Microsoft Word, Excel, PowerPoint, and OneNote files online with SkyDrive—even if you don't have Microsoft Office installed on your computer.
- Easily upload and share photos and videos so you can access them online. Share one file, a whole folder, or a photo album with anyone you choose—including an entire social network.
- Share the documents and photos you have on SkyDrive with lots of people at the same time by sharing them with a group.

Windows Live™ SkyDrive™ gives you access to ample storage—25 GB, to be exact—collaboration tools, and more. It's all available wherever you can connect to the Internet. Think of it as your thumb drive in the cloud. Part of the no-cost Windows Live applications, SkyDrive™ is the perfect place to store personal documents and educational resources, post your favorite spring break photos for friends to see. And you can do all this from any web browser, without commercial advertising.

Show your school
spirit

Like all Live@EDU
applications, SkyDrive can



Referral URL for dropbox:

Search Link Text

Referral URL for dropbox:

<http://db.tt/qj5etLX>

researchtools@ubuntu: ~
File Edit View Search Terminal Help
researchtools@ubuntu:~\$

Dropbox - You're invited to join Dropbox! - Simplify your life - Mozilla Firefox

File Edit View History Delicious Bookmarks Tools Help

dropbox.com https://www.dropbox.com/refer... Google

Dropbox - You're invited to joi...



Welcome to Dropbox!

Bring your photos, docs and videos anywhere. [Take a tour.](#)

☐ I agree to [Dropbox Terms](#)

Create account

Referral URL for dropbox:

Search Link Text

[Referral URL for dropbox:](#)

<http://db.tt/qj5etLX>

researchtools@ubuntu: ~
File Edit View Search Terminal Help
researchtools@ubuntu:~\$

Dropbox - Simplify your life - Mozilla Firefox
File Edit View History Delicious Bookmarks Tools Help

dropbox.com https://www.dropbox.com

Dropbox - Simplify your life

Sign in



Dropbox



Watch a Video



Download Dropbox

Free for Windows, Mac, Linux, and Mobile

https://www.dropbox.com/login

Referral URL for dropbox:

Search Link Text

Referral URL for dropbox:

<http://db.tt/qj5etLX>

researchtools@ubuntu: ~
File Edit View Search Terminal Help
researchtools@ubuntu:~\$

Dropbox - Simplify your life - Mozilla Firefox
File Edit View History Delicious Bookmarks Tools Help

dropbox.com https://www.dropbox.com

Dropbox - Simplify your life

Sign in

schwehr@ccom.unh.edu

.....

☐ Remember me

Create an account

 **Dropbox**



Watch a Video

 **Download Dropbox**

Free for Windows, Mac, Linux, and Mobile

Referral URL for dropbox:

Search Link Text

Referral URL for dropbox:

<http://db.tt/qj5etLX>

researchtools@ubuntu: ~

File Edit View Search Terminal Help

researchtools@ubuntu:~\$

rt - Dropbox - Mozilla Firefox

File Edit View History Delicious Bookmarks Tools Help

 [dropbox.com](https://www.dropbox.com/home) <https://www.dropbox.com/home>  Google  

rt - Dropbox

Dropbox

Sharing

Links

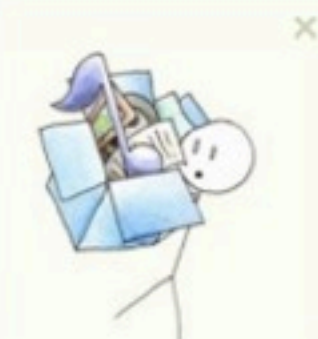
Events

Get Started

rt

Name ▲

Kind






 class folder FromVM folder old folder video folder 22.org file org homeworks.org file org next-video.org file org pod-1-intro.org file org tutorial.org file org video-8.html code html video-19.org file org video-19.org file org

Share a folder

Shared folders in Dropbox are a great way to share your photos, docs, and videos with friends.

[Help](#) [Privacy](#) [More](#)

Referral URL for dropbox:

 Search  Link  Text  Referral URL for dropbox:<http://db.tt/qj5etLX>



Dropbox

Download Dropbox

Simplify your life

- ▶ Ubuntu (.deb) 64-bit 32-bit
- ▶ Fedora (.rpm) 64-bit 32-bit
- ▶ Debian (.deb) 64-bit 32-bit
- ▶ Compile from source

Also available for [Mac](#), [Windows](#), and [Android](#)

- Open Link in New Tab
- Open Link in New Window
- Bookmark This Link
- Bookmark This Link In Delicious...
- Save Link As...
- Send Link...
- Copy Link Location**
- Inspect Element (Q)



Install Dropbox via command line

The Dropbox daemon works fine on all 32-bit and 64-bit Linux servers. To install, run the following command in your L
32-bit:

```
$ cd ~ && wget -O - "https://www.dropbox.com/download?plat=lnx.x86" | tar xzf -
```


researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
researchtools@ubuntu:~$ wget -O dropbox_1.4.0_i386.deb https://www.dropbox.com/download?dl=packages/ubuntu/dropbox_1.4.0_i386.deb
```

```
--2012-06-30 09:09:12-- https://www.dropbox.com/download?dl=packages/ubuntu/dropbox_1.4.0_i386.deb
```

```
Resolving www.dropbox.com... 199.47.216.170, 199.47.216.171, 199.47.217.170, ...
```

```
Connecting to www.dropbox.com|199.47.216.170|:443... connected.
```

```
HTTP request sent, awaiting response... 302 FOUND
```

```
Location: https://linux.dropbox.com/packages/ubuntu/dropbox_1.4.0_i386.deb [following]
```

```
--2012-06-30 09:09:12-- https://linux.dropbox.com/packages/ubuntu/dropbox_1.4.0_i386.deb
```

```
Resolving linux.dropbox.com... 174.36.30.74
```

```
Connecting to linux.dropbox.com|174.36.30.74|:443... connected.
```

```
HTTP request sent, awaiting response... 200 OK
```

```
Length: 92720 (91K) [application/octet-stream]
```

```
Saving to: `dropbox_1.4.0_i386.deb'
```

```
100%[=====>] 92,720 512K/s in 0.2s
```

```
2012-06-30 09:09:13 (512 KB/s) - `dropbox_1.4.0_i386.deb' saved [92720/92720]
```

```
researchtools@ubuntu:~$
```

```
wget --output-document=nautilus-dropbox_0.6.9_i386.deb https://www.dropbox.com/download
```

It is a good idea to verify that what we downloaded is what we expected. First, we can use the `file` command from the last class to ask if it knows what type of file this is:

```
file *.deb
nautilus-dropbox_0.6.9_i386.deb: Debian binary package (format 2.0)
```

We will talk more about checksums, but there the basic idea is that you can run an algorithm on the contents of a file to make sure that the file probably contains the same bytes that you expect it to. The [md5 algorithm](#) is one of the most commonly used today. Give it a try and see if you get the same results:

researchtools@ubuntu: ~

File Edit View Search Terminal Help

MD5SUM(1)

User Commands

MD5SUM(1)

NAME

md5sum - compute and check MD5 message digest

SYNOPSIS

md5sum [OPTION]... [FILE]...

DESCRIPTION

Print or check MD5 (128-bit) checksums. With no FILE, or when FILE is -, read standard input.

-b, --binary

read in binary mode

-c, --check

read MD5 sums from the FILEs and check them

-t, --text

read in text mode (default)

Manual page md5sum(1) line 1

researchtools@ubuntu: ~

File Edit View Search Terminal Help

researchtools@ubuntu:~\$ **ls -l dropbox_1.4.0_i386.deb**

-rw-r--r-- 1 researchtools researchtools 92720 2012-04-25 20:40 **dropbox_1.4.0_i386.deb**

researchtools@ubuntu:~\$ **md5sum dropbox 1.4.0 i386.deb**

c03ff22e43c706f8ee4fe6fc3ab79400 dropbox_1.4.0_i386.deb

researchtools@ubuntu:~\$

researchtools@ubuntu: ~

File Edit View Search Terminal Help

86.deb

researchtools@ubuntu:~\$ file *.deb

dropbox_1.4.0_i386.deb: Debian binary package (format 2.0)

researchtools@ubuntu:~\$ sudo dpkg -i dropbox_1.4.0_i386.deb

[sudo] password for researchtools:

Selecting previously deselected package dropbox.

(Reading database ... 248074 files and directories currently installed.)

Unpacking dropbox (from dropbox_1.4.0_i386.deb) ...

Setting up dropbox (1.4.0) ...

Please restart all running instances of Nautilus, or you will experience problems. i.e. nautilus --quit

Dropbox installation successfully completed! You can start Dropbox from your applications menu.

Processing triggers for bamfdaemon ...

Rebuilding /usr/share/applications/bamf.index...

Processing triggers for desktop-file-utils ...

Processing triggers for python-gmenu ...

Rebuilding /usr/share/applications/desktop.en_US.utf8.cache...

Processing triggers for hicolor-icon-theme ...

Processing triggers for man-db ...

Processing triggers for python-support ...

researchtools@ubuntu:~\$

run the installer

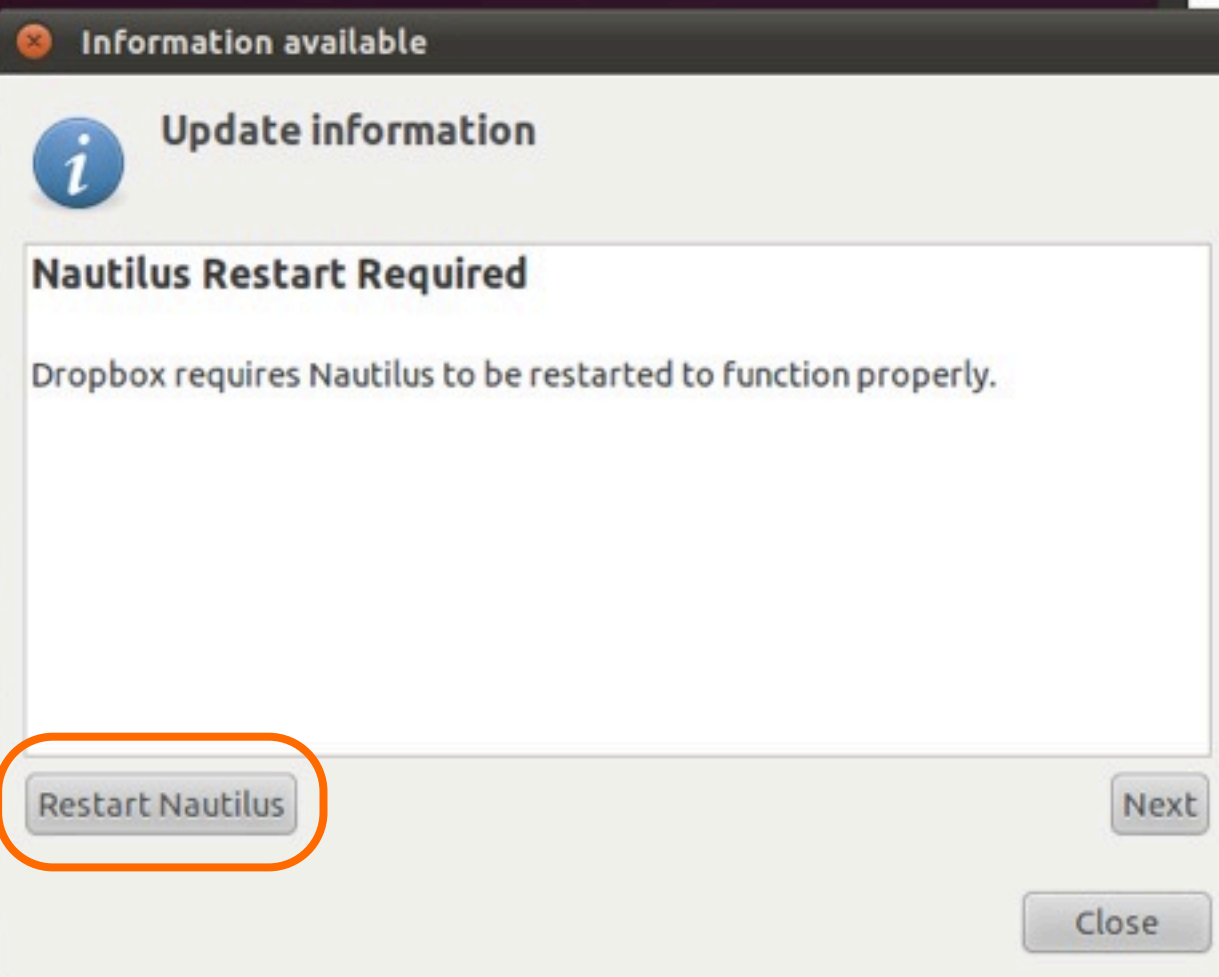
Then you need to install the software:

```
sudo dpkg -i nautilus-dropbox_0.6.9_i386.deb
```

Answer yes to what it asks and then click the button to "Restart Nautilus". Click the "Next" button. Then click "Start Dropbox". You can then sign in and dropbox will start to synchronize your files. There will now be a icon on the top right of your screen that is supposed to look like a box with an open top. This will give you a short cut to see what files have recently been changed in your account and see other dropbox functions.

86.deb

```
researchtools@ubuntu:~$ file *.deb
dropbox_1.4.0_i386.deb: Debian binary package (format 2.0)
researchtools@ubuntu:~$ sudo dpkg -i dropbox_1.4.0_i386.deb
[sudo] password for researchtools:
Selecting previously deselected package dropbox.
(Reading database ... 248074 files and directories currently installed.)
Unpacking dropbox (from dropbox_1.4.0_i386.deb) ...
Setting up dropbox (1.4.0) ...
Please restart all running instances of nautilus, i.e. nautilus --quit
Dropbox installation successfully completed.
Applications menu.
Processing triggers for bamfdaemon ...
Rebuilding /usr/share/applications/bamf-mergedindex.cache ...
Processing triggers for desktop-file-utils ...
Processing triggers for python-gmenu ...
Rebuilding /usr/share/applications/desktop-menus.cache ...
Processing triggers for hicolor-icon-theme ...
Processing triggers for man-db ...
Processing triggers for python-support ...
researchtools@ubuntu:~$
```



run the installer

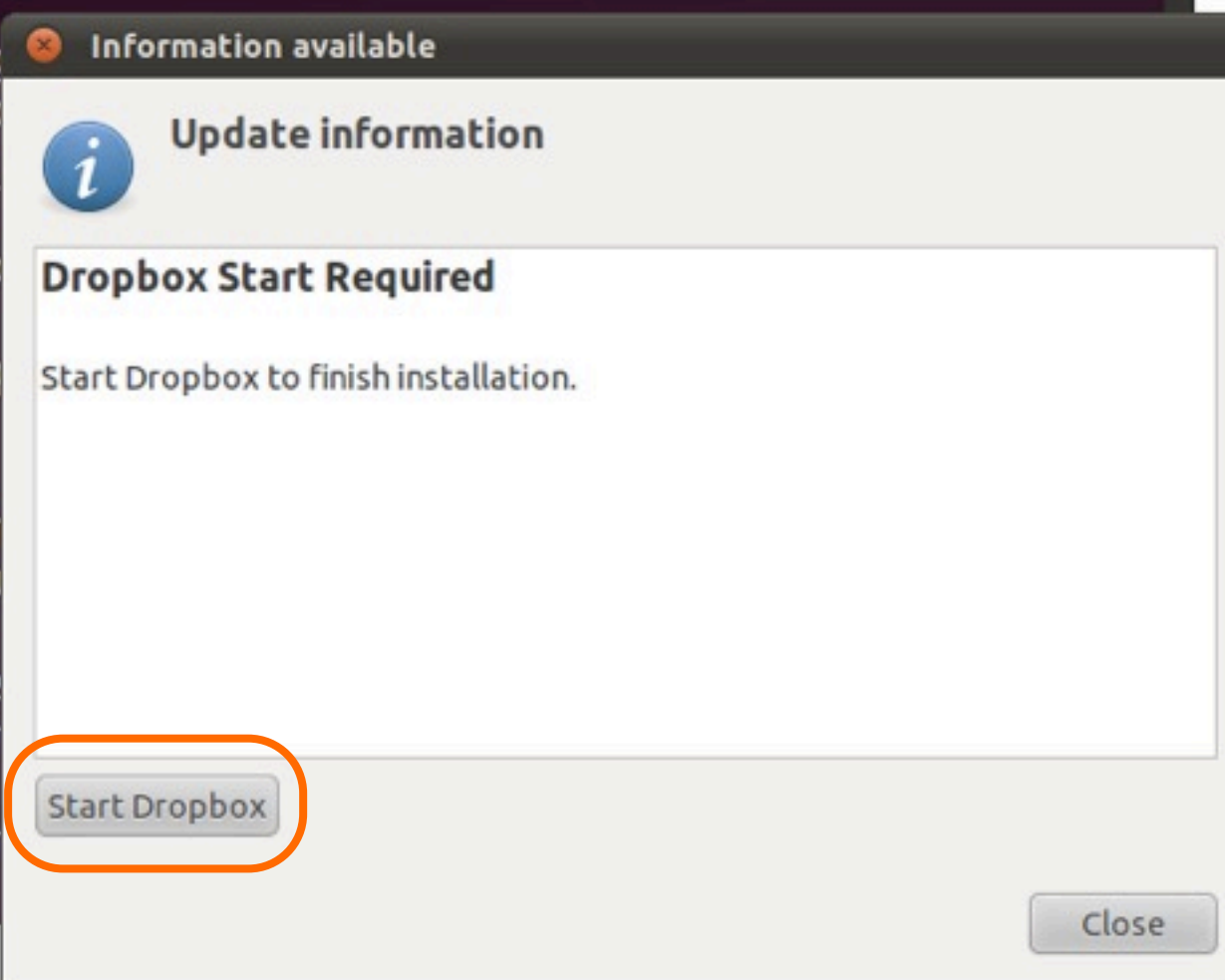
Then you need to install the software:

```
sudo dpkg -i nautilus-dropbox_0.6.9_i386.deb
```

Answer yes to what it asks and then click the button to "Restart Nautilus". Click the "Next" button. Then click "Start Dropbox". You can then sign in and dropbox will start to synchronize your files. There will now be a icon on the top right of your screen that is supposed to look like a box with an open top. This will give you a short cut to see what files have recently been changed in your account and see other dropbox functions.

86.deb

```
researchtools@ubuntu:~$ file *.deb
dropbox_1.4.0_i386.deb: Debian binary package (format 2.0)
researchtools@ubuntu:~$ sudo dpkg -i dropbox_1.4.0_i386.deb
[sudo] password for researchtools:
Selecting previously deselected package dropbox.
(Reading database ... 248074 files and
Unpacking dropbox (from dropbox_1.4.0_i386.deb) ...
Setting up dropbox (1.4.0) ...
Please restart all running instances of
s. i.e. nautilus --quit
Dropbox installation successfully completed.
Applications menu.
Processing triggers for bamfdaemon ...
Rebuilding /usr/share/applications/bamf-
Processing triggers for desktop-file-
Processing triggers for python-gmenu
Rebuilding /usr/share/applications/de
Processing triggers for hicolor-icon-
Processing triggers for man-db ...
Processing triggers for python-support
researchtools@ubuntu:~$
```



run the installer

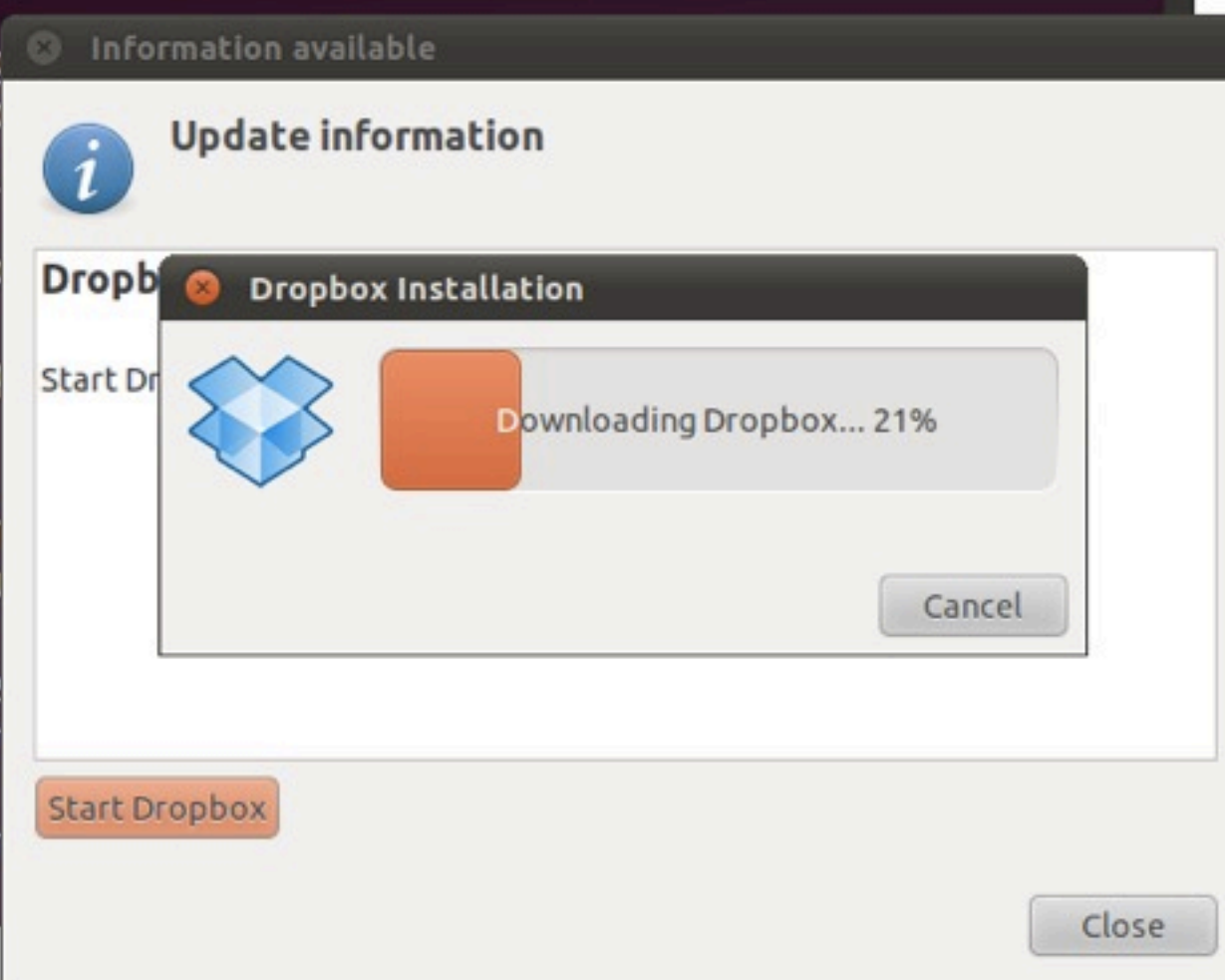
Then you need to install the software:

```
sudo dpkg -i nautilus-dropbox_0.6.9_i386.deb
```

Answer yes to what it asks and then click the button to "Restart Nautilus". Click the "Next" button. Then click "Start Dropbox". You can then sign in and dropbox will start to synchronize your files. There will now be a icon on the top right of your screen that is supposed to look like a box with an open top. This will give you a short cut to see what files have recently been changed in your account and see other dropbox functions.

86.deb

```
researchtools@ubuntu:~$ file *.deb
dropbox_1.4.0_i386.deb: Debian binary package (format 2.0)
researchtools@ubuntu:~$ sudo dpkg -i dropbox_1.4.0_i386.deb
[sudo] password for researchtools:
Selecting previously deselected package dropbox.
(Reading database ... 248074 files and
Unpacking dropbox (from dropbox_1.4.0_i386.deb) ...
Setting up dropbox (1.4.0) ...
Please restart all running instances of nautilus,
s. i.e. nautilus --quit
Dropbox installation successfully completed.
Add Dropbox to your applications menu.
Processing triggers for bamfdaemon ...
Rebuilding /usr/share/applications/bamf-
Processing triggers for desktop-file-
Processing triggers for python-gmenu
Rebuilding /usr/share/applications/de
Processing triggers for hicolor-icon-
Processing triggers for man-db ...
Processing triggers for python-support
researchtools@ubuntu:~$
```



run the installer

Then you need to install the software:

```
sudo dpkg -i nautilus-dropbox_0.6.9_i386.deb
```

Answer yes to what it asks and then click the button to "Restart Nautilus". Click the "Next" button. Then click "Start Dropbox". You can then sign in and dropbox will start to synchronize your files. There will now be a icon on the top right of your screen that is supposed to look like a box with an open top. This will give you a short cut to see what files have recently been changed in your account and see other dropbox functions.

86.deb

```
researchtools@ubuntu:~$ file *.deb
dropbox_1.4.0_i386.deb: Debian binary package (format 2.0)
researchtools@ubuntu:~$ sudo dpkg -i dropbox_1.4.0_i386.deb
[sudo] password for researchtools:
Selecting previously deselected package dropbox.
(Reading database ... 248074 files and
Unpacking dropbox (from dropbox_1.4.0_i386.deb) ...
Setting up dropbox (1.4.0) ...
Please restart all running instances of
s. i.e. nautilus --quit
Dropbox installation successfully completed.
Applications menu.
Processing triggers for bamfdaemon ...
Rebuilding /usr/share/applications/bamf-
Processing triggers for desktop-file-
Processing triggers for python-gmenu
Rebuilding /usr/share/applications/de
Processing triggers for hicolor-icon-
Processing triggers for man-db ...
Processing triggers for python-support
researchtools@ubuntu:~$
```

**run the i**

Then you n

```
sudo dpkg -i nautilus-dropbox_0.8.0_i386.deb
```

Answer yes to what it asks and then click the button to "Restart Nautilus". Click the "Next" button. Then click "Start Dropbox". You can then sign in and dropbox will start to synchronize your files. There will now be a icon on the top right of your screen that is supposed to look like a box with an open top. This will give you a short cut to see what files have recently been changed in your account and see other dropbox functions.

86.deb

```
researchtools@ubuntu:~$ file *.deb
```

```
dropbox_1.4.0_i386.deb: Debian binary package (format 2.0)
researchtools@ubuntu:~$ sudo dpkg -i dropbox 1.4.0 i386.deb
```

```
[sudo] password for researchtools:
```

Selecting previously deselected packages

```
(Reading database ... 248074 files and
```

Unpacking dropbox (from dropbox 1.4.0)

Setting up dropbox (1.4.0) ...

Please restart all running instances of

s. i.e. nautilus --quit

Dropbox installation successfully completed

lications menu.

```
Processing triggers for bamfdaemon ..
```

```
Rebuilding /usr/share/applications/bar
```

Processing triggers for desktop-file-1

Processing triggers for python-gmenu

The screenshot shows the top of the KeePassX application window. The menu bar includes the Apple logo, the application name 'KeePassX', and several menu items: 'File', 'Entries', 'Groups', 'View', 'Extras', and 'Help'. The 'Extras' menu is currently selected, and its dropdown list is visible below it.

Process: /Users/schwehr/Dropbox/kurt.kdb - KeeP

Process

Groups

Group	Title
FileSharing	dropbox

researcher
tmp
FileSharing
Copy Username to Clipboard
Copy Password to Clipboard

travel
Devices
Open URL
Copy URL to Clipboard

VC-VersionControl Business Copy URL to Clipboard Save Attachment As...

ret/bib IM Million hits Add New Entry...

[Mailing Lists](#)
[Pictures/Video](#)
[Linux Servers](#)
[View/Edit Entry...](#)
[Clone Entry](#)

Linux Servers
Music
swlicensing

Switzerland
Home
Kurt

AppleDev
Games

Group: FileSharing
User name: ****

g
RAP AIS

Search Results URL: <http://dx.doi.org/10.1016/j.jmb.2014.05.005>

Ready Short cut

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Table 1

Category	Sub-category	Value 1	Value 2
Category 1	Sub-category 1	10	20
Category 1	Sub-category 2	30	40
Category 2	Sub-category 1	50	60

Class 6: KeePassX ... researchtools@u... /hom

Saturday, June 30, 12

[illegible]

The screenshot displays the KeePassX application window. The title bar indicates the application name and standard window controls. The menu bar includes 'File', 'Entries', 'Groups', 'View', 'Extras', and 'Help'. The address bar shows the file path '/Users/schwehr/Dropbox/kurt.kdb - KeePassX'. The toolbar contains icons for file operations and search. The left sidebar shows a 'Groups' list with 'dropbox' selected. The main pane shows a table of entries for the 'dropbox' group, with a context menu open over the first entry. The context menu options include 'Copy Username to Clipboard', 'Copy Password to Clipboard', 'Open URL', 'Copy URL to Clipboard', 'Save Attachment As...', 'Add New Entry...', 'View/Edit Entry...', 'Clone Entry', and 'Delete Entry'. The bottom status bar shows 'Ready'.

Click the button to "Restart Nautilus". Click the "Next" button. Then click and dropbox will start to synchronize your files. There will now be a is supposed to look like a box with an open top. This will give you a been changed in your account and see other dropbox functions.

researchtools@ubuntu: ~

File Edit View Search Terminal Help

86.deb

```
researchtools@ubuntu:~$ file *.deb
dropbox_1.4.0_i386.deb: Debian binary package (format 2.0)
researchtools@ubuntu:~$ sudo dpkg -i dropbox_1.4.0_i386.deb
```

```
[sudo] password for researchtools:
```

```
Selecting previously deselected package
```

```
(Reading database ... 248074 files and
```

```
Unpacking dropbox (from dropbox_1.4.0
```

```
Setting up dropbox (1.4.0) ...
```

```
Please restart all running instances of
```

```
s. i.e. nautilus --quit
```

```
Dropbox installation successfully complete.
```

```
Applications menu.
```

```
Processing triggers for bamfdaemon ..
```

```
Rebuilding /usr/share/applications/bamf
```

```
Processing triggers for desktop-file-ut
```

```
Processing triggers for python-gmenu
```

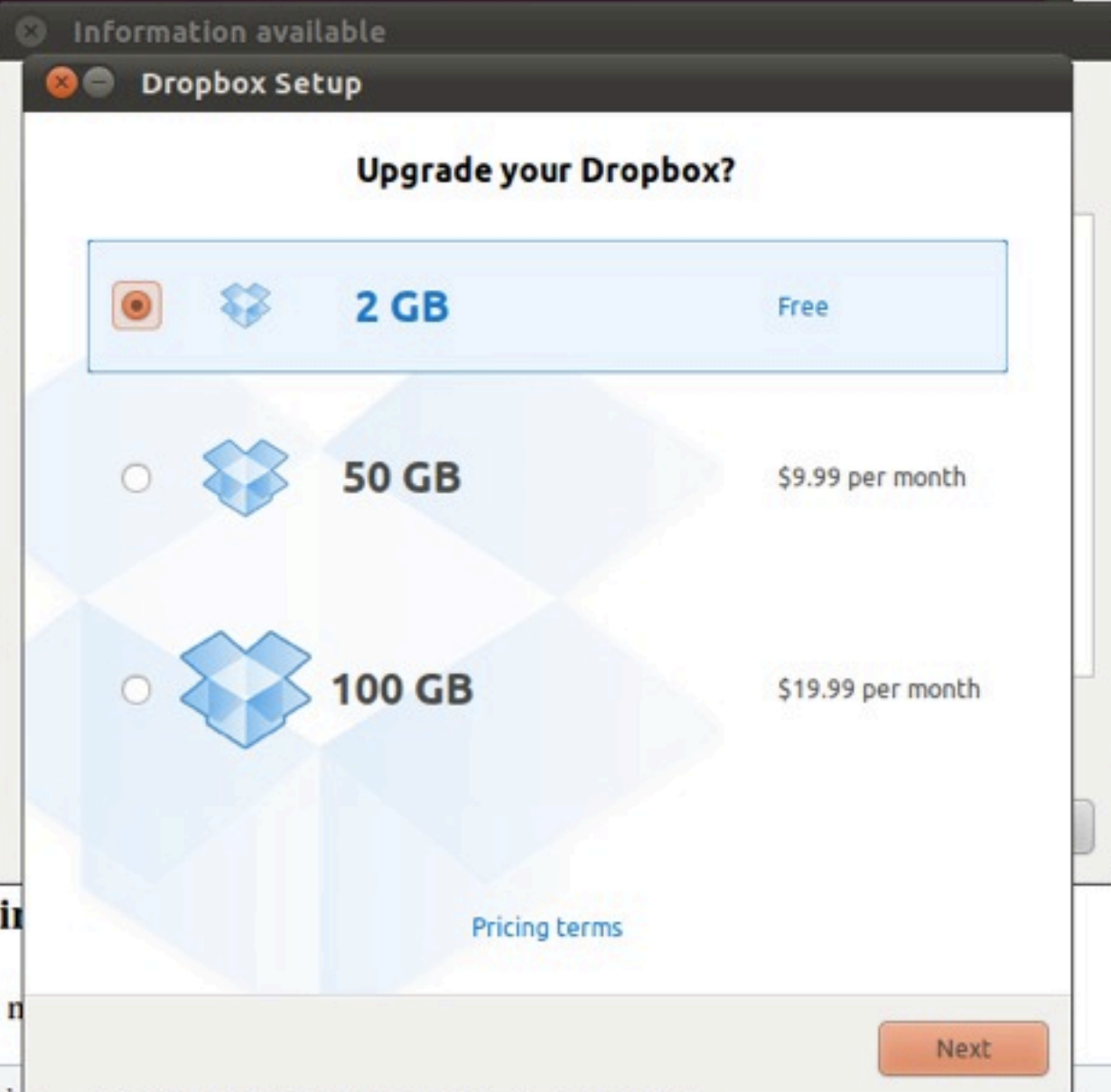
```
Rebuilding /usr/share/applications/de
```

```
Processing triggers for hicolor-icon-
```

```
Processing triggers for man-db ...
```

```
Processing triggers for python-support
```

```
researchtools@ubuntu:~$
```



run the i

Then you n

```
sudo dpkg -i nautilus-dropbox_0.0.0-1_i386.deb
```

Answer yes to what it asks and then click the button to "Restart Nautilus". Click the "Next" button. Then click "Start Dropbox". You can then sign in and dropbox will start to synchronize your files. There will now be a icon on the top right of your screen that is supposed to look like a box with an open top. This will give you a short cut to see what files have recently been changed in your account and see other dropbox functions.

86.deb

```
researchtools@ubuntu:~$ file *.deb
dropbox_1.4.0_i386.deb: Debian binary package (format 2.0)
researchtools@ubuntu:~$ sudo dpkg -i dropbox_1.4.0_i386.deb
[sudo] password for researchtools:
Selecting previously deselected package dropbox.
(Reading database ... 248074 files and directories currently installed.)
Unpacking dropbox (from dropbox_1.4.0_i386.deb) ...
Setting up dropbox (1.4.0) ...
Please restart all running instances of nautilus, i.e. nautilus --quit
Dropbox installation successfully completed.
Processing triggers for bamfdaemon ...
Rebuilding /usr/share/applications/bamf-mergedindex.xml ...
Processing triggers for desktop-file-utils ...
Processing triggers for python-gmenu ...
Rebuilding /usr/share/applications/desktop-menus.xml ...
Processing triggers for hicolor-icon-theme ...
Processing triggers for man-db ...
Processing triggers for python-support ...
researchtools@ubuntu:~$
```

Information available

Dropbox Setup

Choose setup type

**Typical** (recommended)

Set up Dropbox with normal settings.

**Advanced**

Choose your Dropbox's location, which folders will be synced, and if extended attributes should be synced.

Previous

Install

run the i

Then you n

```
sudo dpkg -i nautilus dropbox_1.4.0_i386.deb
```

Answer yes to what it asks and then click the button to "Restart Nautilus". Click the "Next" button. Then click "Start Dropbox". You can then sign in and dropbox will start to synchronize your files. There will now be a icon on the top right of your screen that is supposed to look like a box with an open top. This will give you a short cut to see what files have recently been changed in your account and see other dropbox functions.


```
u:~$ file *.deb
deb: Debian binary package (format 2.0)
u:~$ sudo dpkg -i dropbox_1.4.0_i386.deb
researchtools:
y deselected package dropbox.
.. 248074 files and directories currently installed.)
from dropbox_1.4.0_i386.deb) ...
(1.4.0) ...
running instances of Nautilus, or you will experience problem
quit
n successfully completed! You can start Dropbox from your app

for bamfdaemon ...
re/applications/bamf.index...
for desktop-file-utils ...
for python-gmenu ...
re/applications/desktop.en_US.utf8.cache...
for hicolor-icon-theme ...
for man-db ...
for python-support ...
u:~$
```

Open Dropbox Folder
Launch Dropbox Website
Recently Changed Files
7.9% of 13.2GB used
Downloading 186 files (LAN) (2,344 kB/sec, 14 min left)
Get More Space
Pause Syncing
Preferences...
Help Center
Quit Dropbox

run the installer

Then you need to install the software:

```
sudo dpkg -i nautilus-dropbox_0.6.9_i386.deb
```

Answer yes to what it asks and then click the button to "Restart Nautilus". Click the "Next" button. Then click "Start Dropbox". You can then sign in and dropbox will start to synchronize your files. There will now be a icon on the top right of your screen that is supposed to look like a box with an open top. This will give you a short cut to see what files have recently been changed in your account and see other dropbox functions.

rt

File Edit View Go Bookmarks Help

Back Forward 100% Icon View

Places researchtools Dropbox rt

- researchtools
- Desktop
- File System
- Network
- Floppy Drive
- Trash
- Documents
- Music
- Pictures
- Videos
- Downloads

class

FromVM

old

video

22.org

homeworks.org

next-video.org

pod-1-intro.org

tutorial.org

video-8.html

video-19.org

vm-ubuntu.org

12 items, Free space: 11.8 GB

led.)

ience problem

from your app

ox linux ubuntu

Dropbox - Simplify ...

bove.

Then you need to install the software:

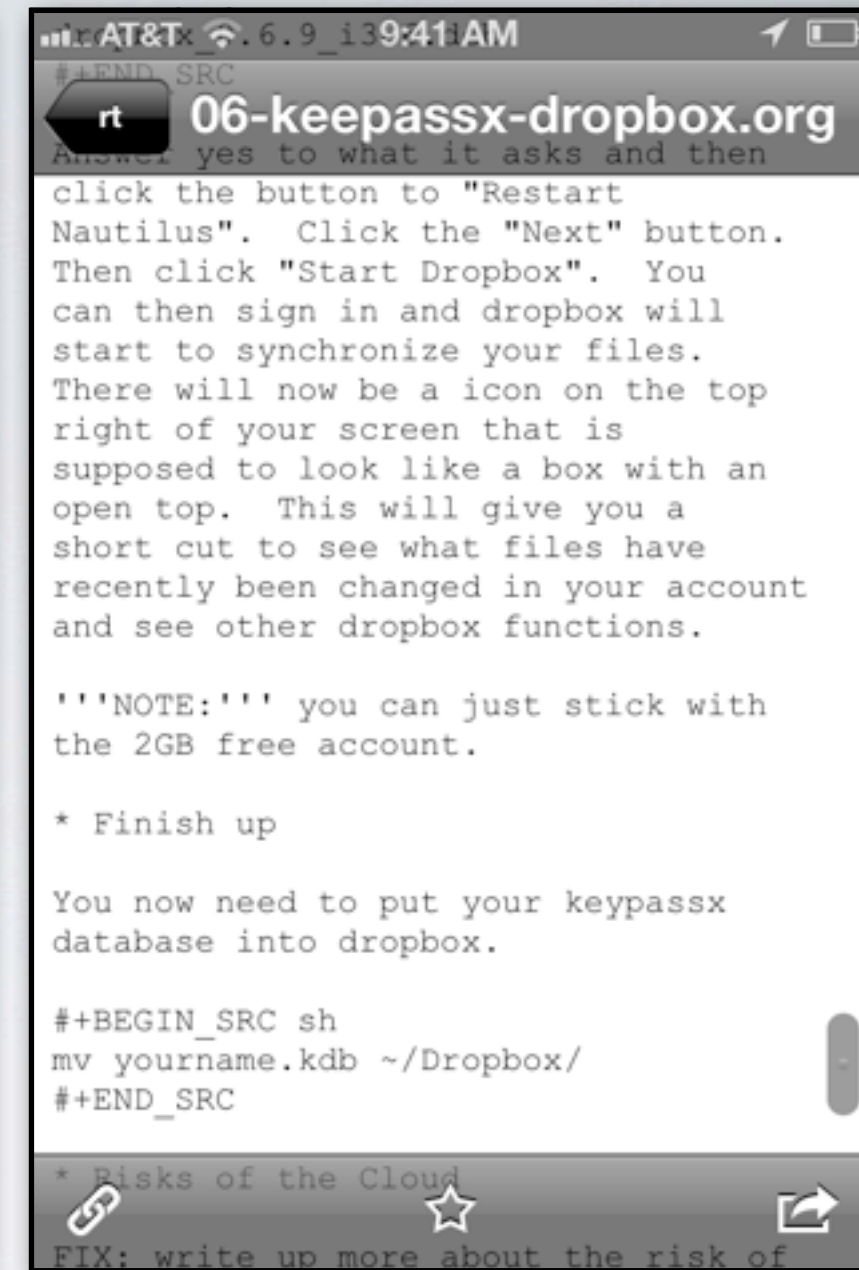
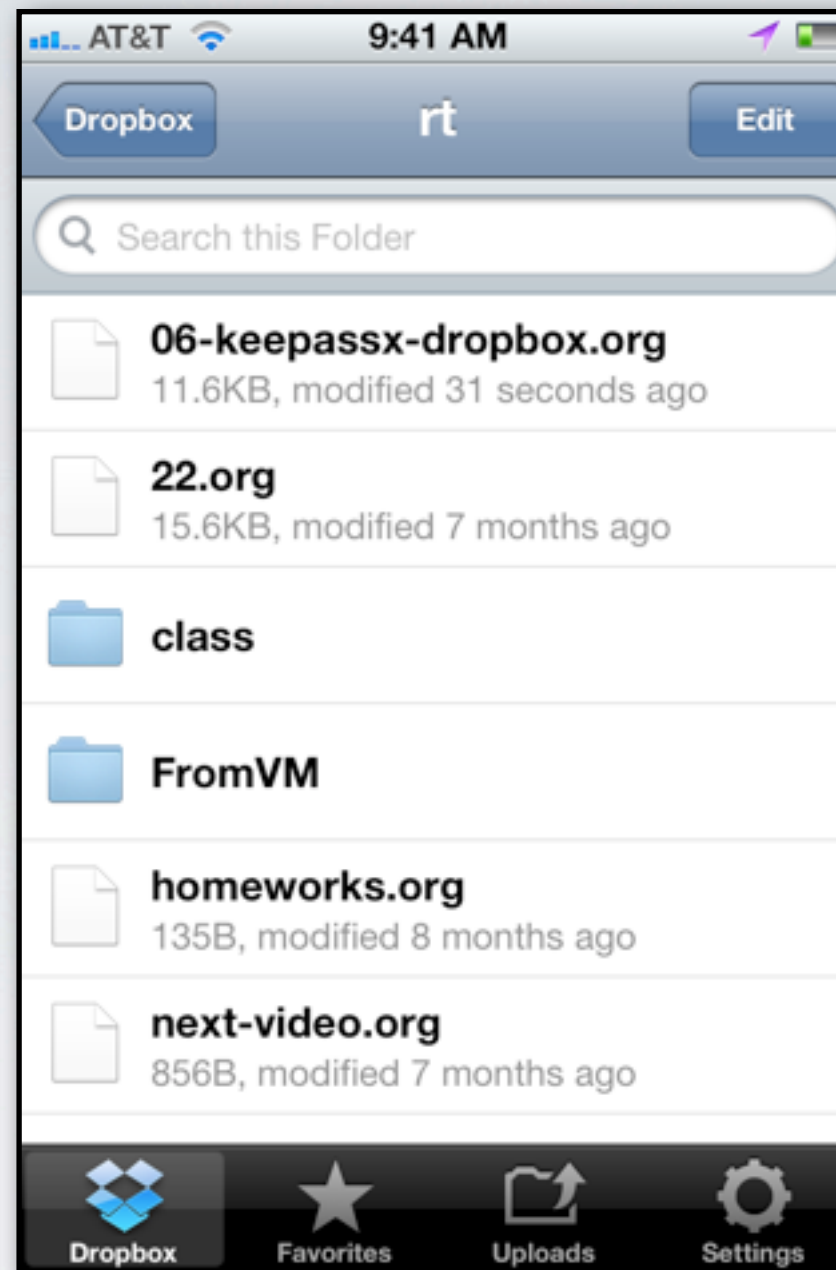
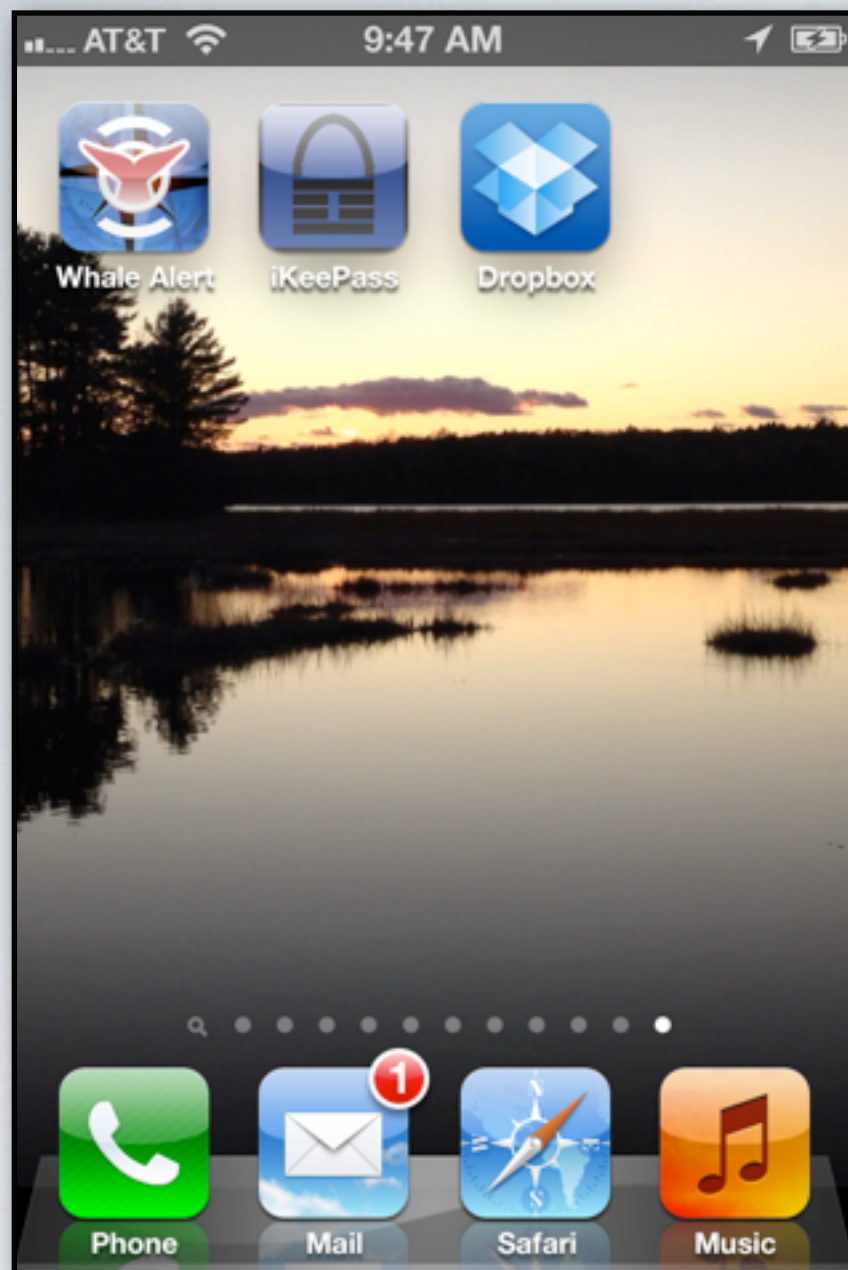
```
sudo dpkg -i nautilus-dropbox_0.6.9_i386.deb
```

Answer yes to what it asks and then click the button to "Restart Nautilus". Click the "Next" button. Then click "Start Dropbox". You can then sign in and dropbox will start to synchronize your files. There will now be a icon on the top right of your screen that is supposed to look like a box with an open top. This will give you a short cut to see what files have recently been changed in your account and see other dropbox functions.








researchtools@ubuntu: ~

File Edit View Search Terminal Help

```
researchtools@ubuntu:~$ ls -l ~/Dropbox/kurt.kdb*  
-rw-r--r-- 1 researchtools researchtools 46396 2012-06-12 19:09 /home/researchto  
ols/Dropbox/kurt.kdb  
-rw-r--r-- 1 researchtools researchtools 0 2012-06-30 08:17 /home/researchto  
ols/Dropbox/kurt.kdb.lock  
researchtools@ubuntu:~$ ls ~/Dropbox/rt/  
22.org homeworks.org pod-1-intro.org video-19.org vm-ubuntu.org  
class next-video.org tutorial.org video-19.org~  
FromVM old video video-8.html  
researchtools@ubuntu:~$
```

Dropbox running on an Apple iPhone viewing an org-mode text file from my dropbox account.

My computers			
These are the computers and devices currently linked to your Dropbox.			
Computer name	Last activity		
 ubuntu-rt-2011	 14 mins ago	 Rename	 Unlink
 iPhone	N/A	 Rename	 Unlink


```
Aquamacs  File  Edit  Options  Tools  Org  Tbl  YASnippet  Window  Help
06-keepassx-dropbox.org

New  Open  Recent  Save  Print  Undo  Redo  Cut  Copy  Paste  Search  Preferences  Help

HEADER.org  1  rt
total used in directory 72 available 1544272
drwxr-xr-x 17 schwehr staff  578 Jun 30 09:40 .
drwx----- 59 schwehr staff 2006 Jun 30 08:17 ..
-rw-r--r--  1 schwehr staff  6148 May 28 16:41 .DS_Store
-rw-r--r--  1 schwehr staff 11872 Jun 30 09:40 06-keepassx-dropbox.org
-rw-r--r--  1 schwehr staff 15979 Nov 15 2011 22.org
drwxr-xr-x  9 schwehr staff   306 May 28 16:39 FromVM
drwxr-xr-x  7 schwehr staff   238 Nov  6 2011 class
-rw-r--r--  1 schwehr staff   135 Oct 11 2011 homeworks.org
-rw-r--r--  1 schwehr staff   856 Nov  9 2011 next-video.org
drwxr-xr-x  6 schwehr staff   204 Nov  1 2011 old
-rw-r--r--  1 schwehr staff  3006 Jun 16 2011 pod-1-intro.org
-rw-r--r--  1 schwehr staff   688 Sep 24 2011 tutorial.org
drwxr-xr-x  5 schwehr staff   170 Oct 18 2011 video
-rw-r--r--  1 schwehr staff  5776 Nov 27 2011 video-19.org
-rw-r--r--  1 schwehr staff   624 Nov 27 2011 video-19.org~
-rw-r--r--  1 schwehr staff  3158 Oct  9 2011 video-8.html
-rw-r--r--  1 schwehr staff   3134 Sep  8 2011 vm-ubuntu.org

-:%%- rt  Bot (20,0)  [(Dired by name)] 9:59AM 0.97
rt  1  06-keepassx-dropbox.org

#+TITLE:  Class 6: KeePassX and Cloud storage with DropBox (DRAFT)
#+AUTHOR: Kurt Schwehr
#+EMAIL:  schwehr@ccom.unh.edu
#+DATE:   <2011-09-15 Thu>
#+DESCRIPTION: Marine Research Data Manipulation and Practices
#+KEYWORDS:
#+LANGUAGE: en
#+OPTIONS: H:3 num:nil toc:t \n:nil @:t ::t |:t ^:t -:t f:t *:t <:t
#+OPTIONS: TeX:t LaTeX:nil skip:t d:nil todo:t pri:nil tags:not-in-toc
#+INFOJS_OPT: view:nil toc:nil ltoc:t mouse:underline buttons:0 path:http://orgmode.org/org-info.js
#+EXPORT_SELECT_TAGS: export
#+EXPORT_EXCLUDE_TAGS: noexport
#+LINK_HOME: http://vislab-ccom.unh.edu/~schwehr/Courses/2011/esci895-researchtools/

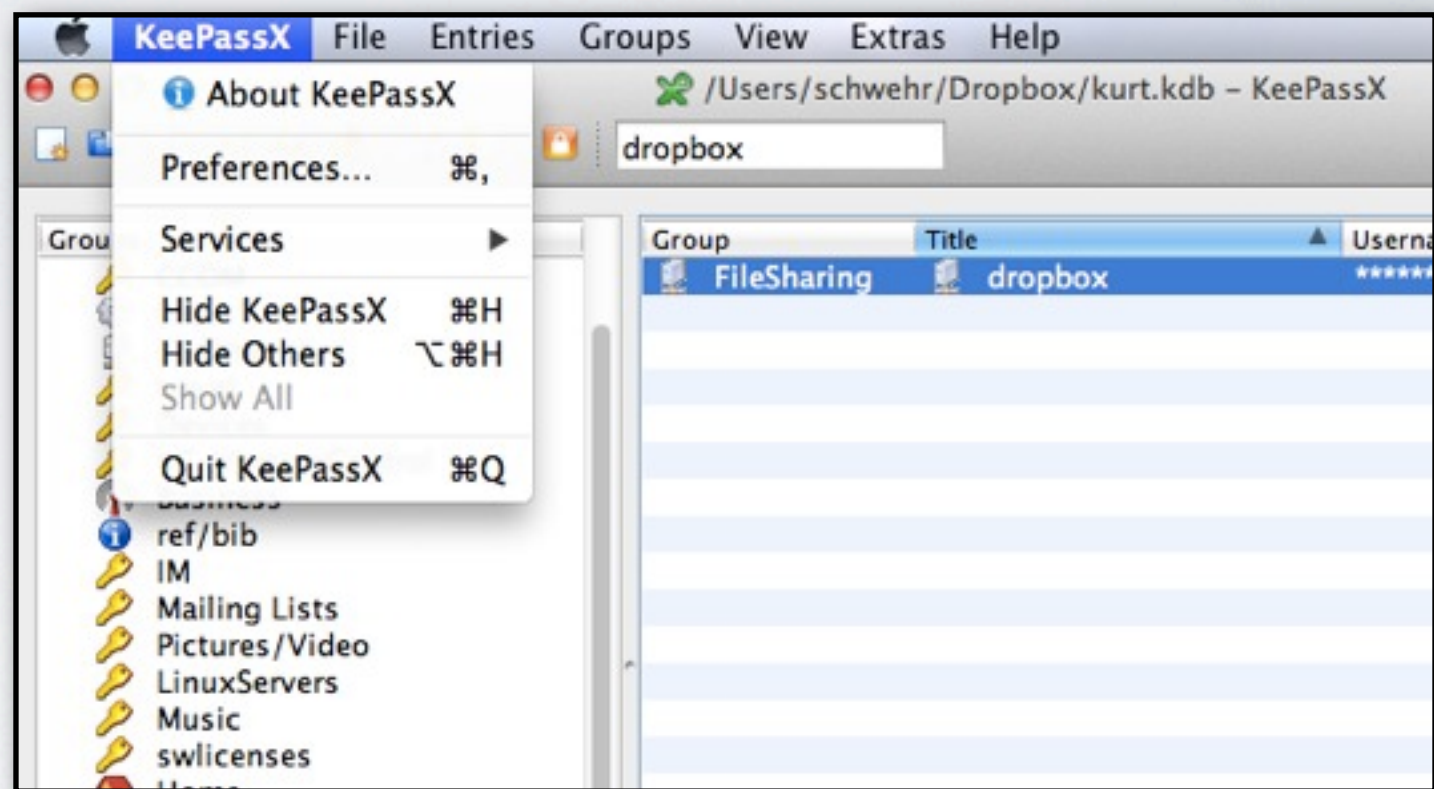
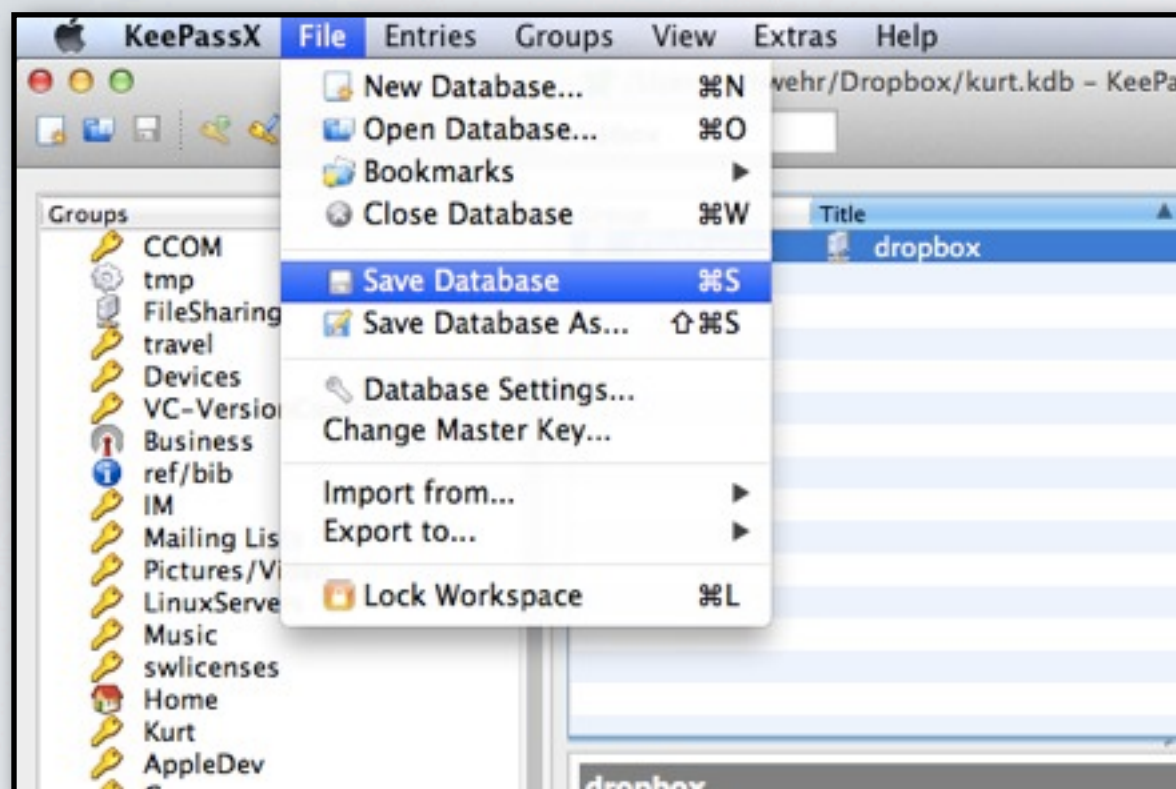
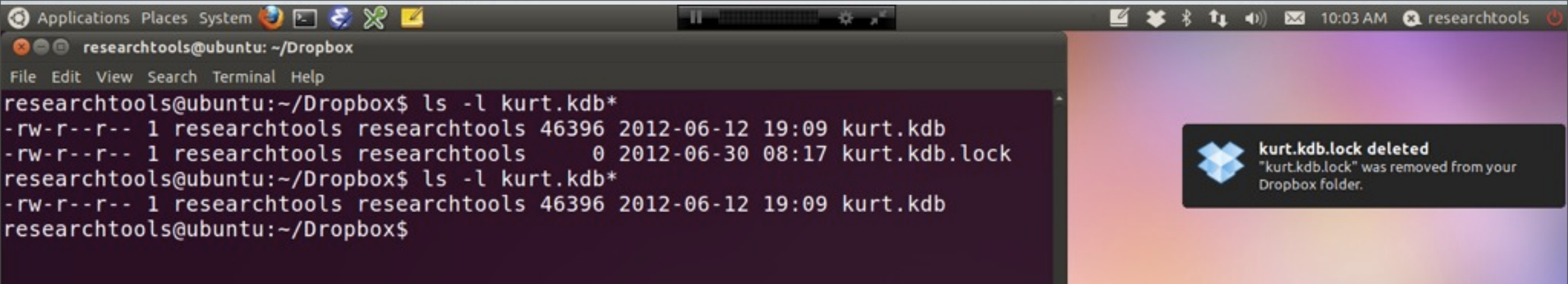
* Introduction

Today we will

* Managing passwords with KeePassX                                :keepassx:passwords:

KeePassX is a cross-platform password manager that encrypts the data

-:--- 06-keepassx-dropbox.org  1% (16,0)  [(Org yas Spc Fill)] 9:59AM 0.97
```

Make sure to save your KeePassX database. You will see the lock file in dropbox disappear and dropbox will notify you.