



# E-Faxing



By Khai Phan

'Computers will allow a paperless office'



# Why?

- Reduces cost of paper, toner, unwanted faxes
- Increases efficiency of office as scanning/shredding eliminated

# OPTIONS

1. ALL-IN-1 printer / scanner / fax machine
2. Web based fax service
3. FAX server computer

# ALL-IN-1 printer / scanner / fax machine



## ALL-IN-1 printer / scanner / fax machine

- Readily available
- Easy to install (fairly) even with limited tech. knowledge

## ALL-IN-1 printer / scanner / fax machine

- Hard wired to network OR wireless models
- Easy to install even with limited tech. Knowledge
- Shared network folder which acts as the 'inbox'
- Print to fax function to send faxes from each computer – requires driver installation

## ALL-IN-1 machine : CONS

- Bulky size
- Cannot fax from within OSCAR



# Web based fax service

- Many companies provide the service
- Email attachments or website upload
- Speed of outbound faxes - no waiting
- Fax from ANY computer with internet access  
VERY mobile

# Web based fax service



# Web based fax service

Online Fax Services from a Canadian Perspective

Service	<a href="#">RingCentral</a>	<a href="#">Nextiva</a>	<a href="#">MyFax</a>	<a href="#">eFax</a>
Plan Reviewed	Fax 500	Single User	Best Value	eFax Plus
Outgoing Pages / Month	500	500	100	150
Incoming Pages / Month	incl. in Outgoing	incl. in Outgoing	200	150
Overage Page Cost	5.9c	3c	10c	10c
Customer Support Hours	24 / 7	6-6 MST / PDT	24 / 7	24 / 7
Fax Authority Rating	4.5 / 5	3.5 / 5	4 / 5	3.5 / 5
Mthly Cost	\$7.99	\$8.95	\$10	\$16.95
Mthly Cost – Annual Plan	\$6.59	\$4.95	\$9.17	\$14.13

# Web based fax service

[faxauthority.com/online-fax-canada/](http://faxauthority.com/online-fax-canada/)

CONS – cost for medium to larger office may be prohibitive compared to cost of fax machine/fax line

# FAX server computer

FAX modem – internal card or external box

phone line – caution when using VOIP line

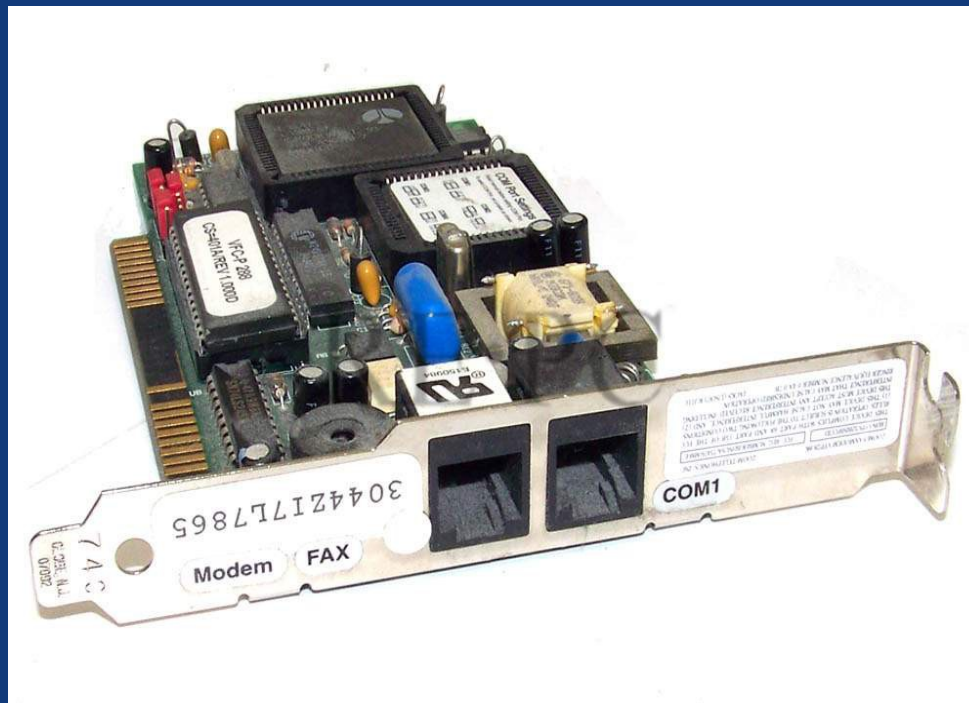
networked computer + software

# FAX server computer



# FAX server computer

internal card \$10-\$15



# FAX server computer

External \$10-\$15






# FAX server computer

## Software

- Commercial – included in many OSes vs. others
- Open-Source - Hylafax

# Hylax clients - Free



HylaFAX

The world's most advanced open source fax server

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Desktop Client Software

This page is a collection of desktop client software packages that are known to work with HylaFAX. If you see something missing here, please feel free to add it! For the sake of fairness, software has been listed in alphabetical order. Please respect this convention when you make additions. The year of the most recent update is in brackets (as of Apr 13,2009)

See also [Web Based Faxing](#), [Mobile Client Software](#) and other [Related Software](#).

[edit] Free

URL	Description	Release year
<a href="#">AdiXein HFC</a>	Free software to integrate HylaFAX and Microsoft Outlook!	2008
<a href="#">Faxfrontend</a>	Fax from a Debian desktop	2007
<a href="#">Fax90 OS X</a>	Free Mac OS X Hylafax Client	2009
<a href="#">Frog FaxMail</a>	Free Windows Hylafax Client	2008
<a href="#">GFAx</a>	GNOME Facsimile Program	2006
<a href="#">HylaFAXSender</a>	Java fax client, tested on Mac OS X and Linux. Client for OSX 10.7 <a href="#">[1]</a> (info in spanish)	
<a href="#">hylapex</a>	A multi-platform client written in python	2008
<a href="#">HermesFAX</a>	Web interface for Hylafax from today, is AGPL	4 may 2012
<a href="#">IGSuite</a>	Integrated Groupware Suite	2008
<a href="#">JHylaFAX</a>	Sleek platform independent client written in Java	2007
<a href="#">KHylafax</a>		2001
<a href="#">Macflex</a>		1996?
<a href="#">Pyla</a>	A multi-platform client Written in Python with Ldap integration	2007
<a href="#">Respond/PrintFax</a>	Development ended.	2006
<a href="#">SDfax</a>	Mac software to send fax via TPC.int, which uses HylaFAX (unable to connect	
<a href="#">Smbfax</a>	Print to a faxmodem on your Samba server via HylaFAX	2003
<a href="#">Print to fax</a>	OS Independent faxing by printing to a network printer, adapted from "Sambafax"	2009
<a href="#">SpoolFax</a>	A middleware for faxing from applications	2003
<a href="#">SuSE</a>	SuSefax: Java client to HylaFAX, is part of the Linux distribution SuSe	(unable to connect
<a href="#">Tkhylafax</a>		

# Hylafax clients

[hylafax.org/content/Desktop\\_Client\\_Software](http://hylafax.org/content/Desktop_Client_Software)

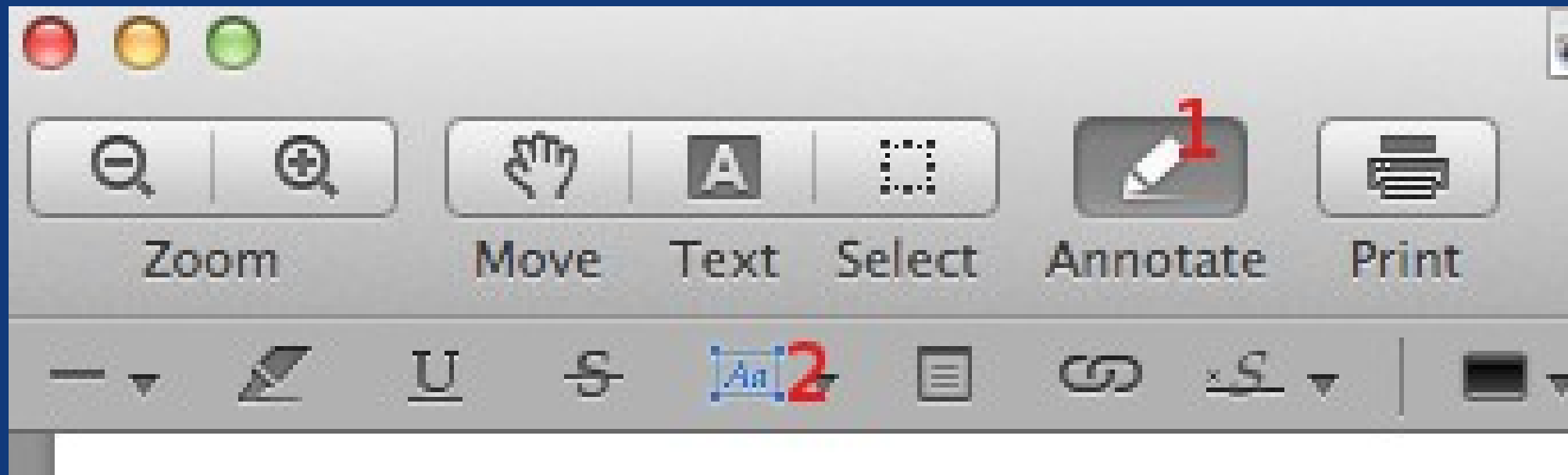
# Workflow example

- Doc reviews Rx request via fax as a PDF file in his Inbox within OSCAR
- Comments and signs the document electronically
- Saves the edited PDF onto shared network folder eg. 'Fax Outbox'
- MOAs monitor this same folder and faxes any documents within that folder
- MOA will upload that edited PDF to pt. chart

# Electronic editing of documents

- Windows/PC : Foxit – free PDF viewer / editor with commenting / signature function
- Mac : Preview, similar functionality
- Linux : Xournal, free open source PDF editing

# Mac example



# Mac example

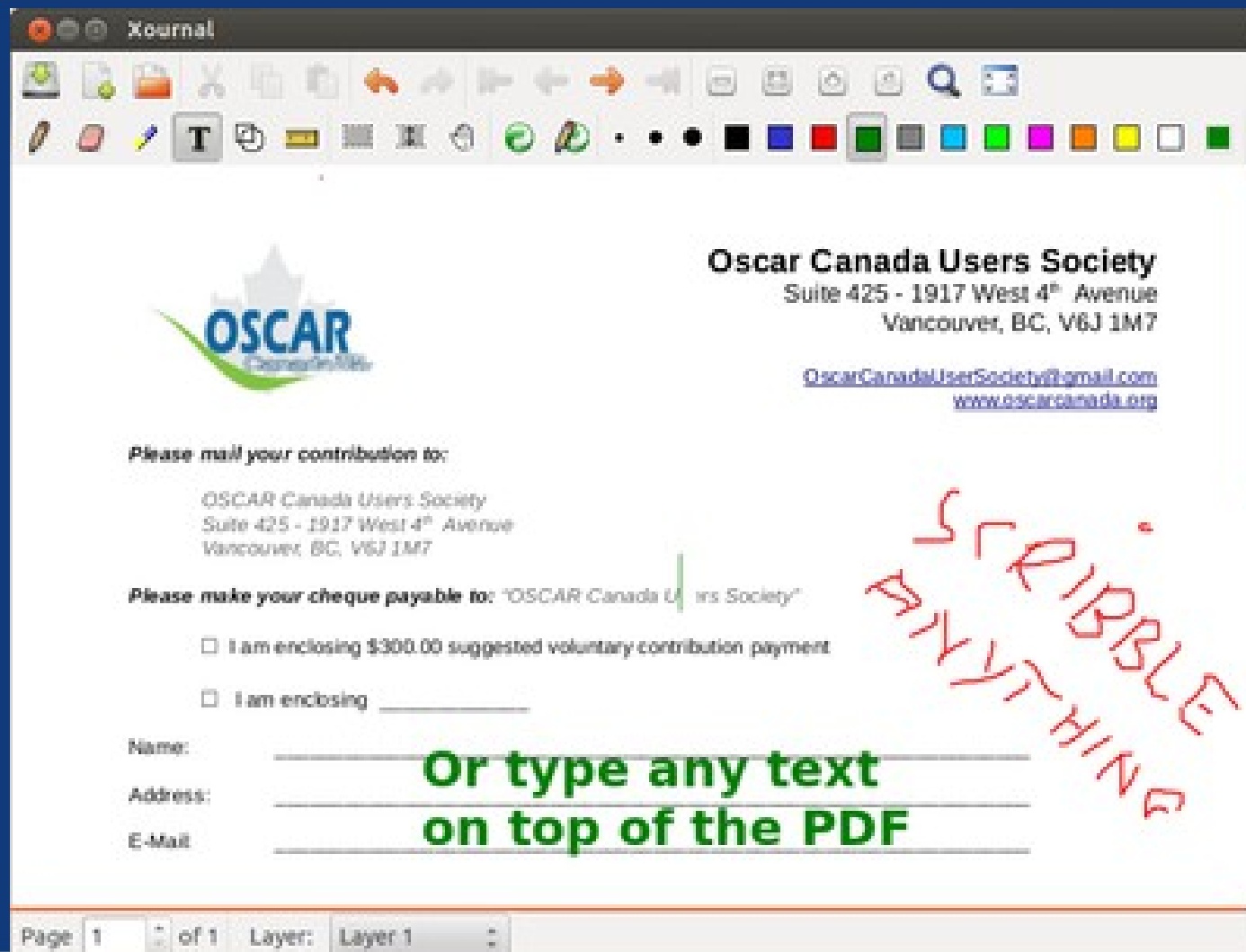
Join us as seasoned OSCAR users demonstrate the manner they've adapted OSCAR in their clinical practices. See the methods of charting with voice recognition software. Witness the ways of prescribing medications with reference to current studies and interaction with other medications. Realize how you can bill smarter with better billing tools, draw diagrams to save in patient's charts, follow visits for maternity and newborn care; and comprehend how easy recording diagnostic results can be with flowsheets for chronic conditions including diabetes, hypertension, CHF, COPD and much more!

*type your comment here*

Bring your staff, your interests, concerns and questions and draw insight from those most in the know – those who use this tremendous tool in their daily medical work flow. The presentation will run from 6:30PM till 8:00PM and will be followed by an open question and answer session, mingling and snacks till 9:00PM.

OSCAR's ease of use, excellence in programming, high level of functionality, and affordable costs for ongoing support and implementation, are reasons why OSCAR is renowned as the 3<sup>rd</sup> most used EMR in British Columbia. For more information visit [OSCARcanada.org](http://OSCARcanada.org) or [OSCARmcmaster.org](http://OSCARmcmaster.org)

# Ubuntu example - Xournal





# Fax-Server CONS

- Complicated setup and likely requires professional setup/installation

# Fax-Server PROs

- Integration with OSCAR – faxing from any computer that has access to your OSCAR server
- Economies of scale - larger offices with high fax volumes - for practices with 4-5 physicians or larger

# The future ... is already here?

- Currently available- encrypted email