

# pocketNexus

by Erick Engelke

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Version 0.904 Shown



# Challenge

- many people have laptops or home or office computers
- they are outside nexus domain
- connect using wireless or externally with VPN or campus Ethernet
- perhaps 25-30% are Macs
- maybe 5-10% are Linux
- want to integrate them with campus services



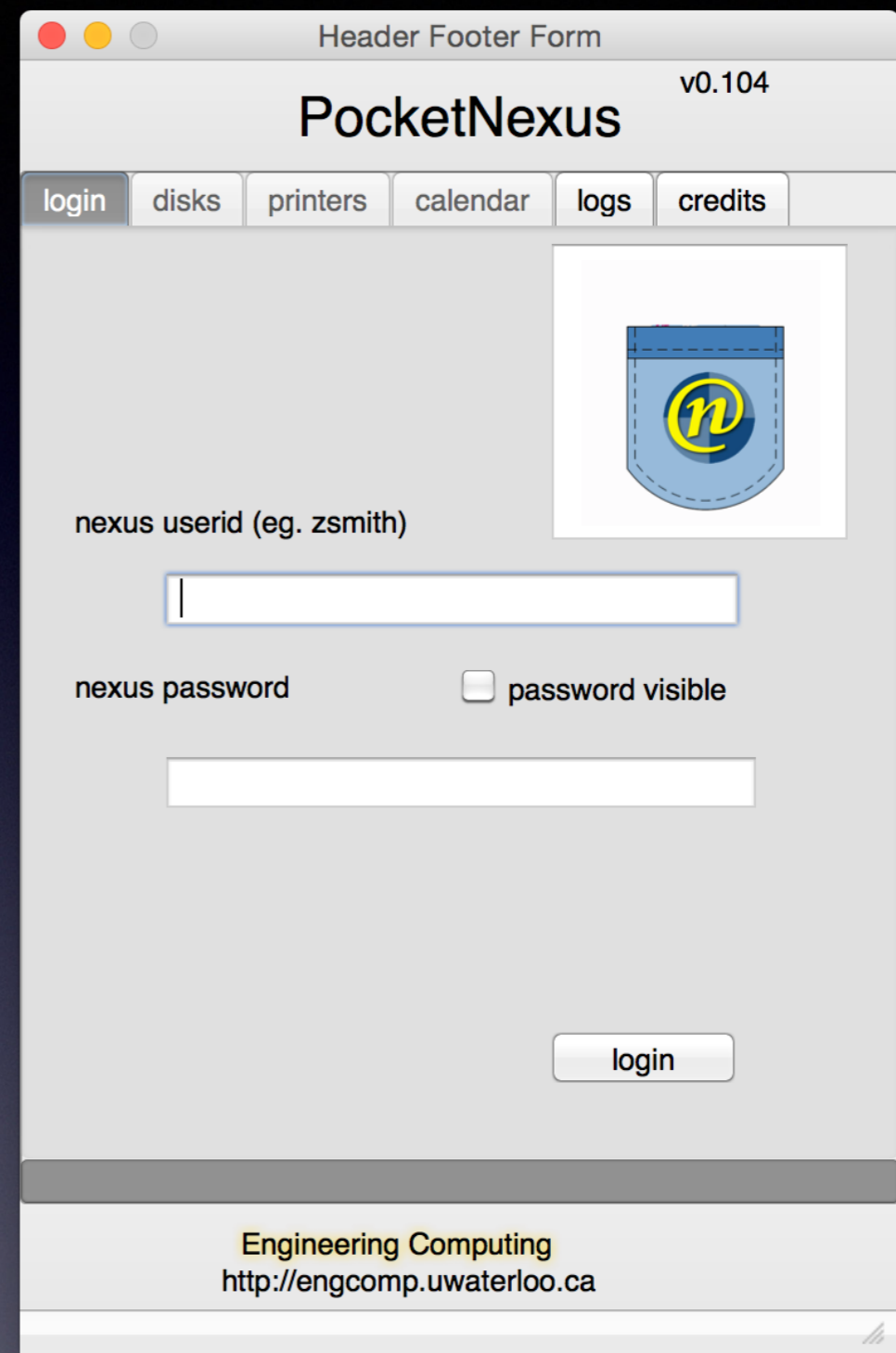
# Solutions to date

- detailed written instructions with screenshots
- tell people to use Outlook (some people prefer other Email programs, or live on Linux without MS-Office)



# Login

- user simply does nexus login
- gains access to growing collection of services
- as far as user is concerned, it's all connected
- single sign on



The screenshot shows a web browser window titled "Header Footer Form" with a version number "v0.104". The main heading is "PocketNexus". A navigation bar contains links for "login", "disks", "printers", "calendar", "logs", and "credits". The "login" link is highlighted. To the right is a logo of a blue pocket with a yellow '@' symbol. The login form includes a label "nexus userid (eg. zsmith)", an empty text input field, a label "nexus password", a checkbox labeled "password visible" which is currently unchecked, and another empty text input field. A "login" button is positioned below the password field. At the bottom, a footer contains the text "Engineering Computing" and the URL "http://engcomp.uwaterloo.ca".




- actual login example used for following slides
- access services instantly

Header Footer Form v0.104

# PocketNexus

login disks printers calendar logs credits



nexus userid (eg. zsmith)

nexus password  password visible

login

Engineering Computing  
<http://engcomp.uwaterloo.ca>



# Attach Network Storage

- all users have an N: drive
- initially shows what is present
- dark bulb indicates *not present*

The screenshot shows a web browser window titled "Header Footer Form" with the "PocketNexus v0.104" logo. A navigation menu includes "login", "disks", "printers", "calendar", "logs", and "credits". The "disks" section contains two options: "attach N: drive to your Nexus folder" with a dark grey bulb icon, and "attach R: research drive (Eng only)" with a light grey bulb icon. A "go" button is positioned below these options. The footer displays "Engineering Computing" and the URL "http://engcomp.uwaterloo.ca". The status bar at the bottom indicates "logged into nexus".



- the user selects drives to attach and presses **go**
- N: drive available for all on nexus
- R: is an Engineering research 1 TB drive
- If we extend schema, we could have personalized/org-specific drives

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- drives which attach are lit green
- colourblind people see a lit light versus an off bulb

Header Footer Form

PocketNexus v0.104

login disks printers calendar logs credits

attach N: drive to your Nexus folder 

attach R: research drive (Eng only) 

go

Engineering Computing  
<http://engcomp.uwaterloo.ca>

logged into nexus



# Desktop

- on Macs, the attached drive appears as a shared folder on the desktop



erick



# Printing

- there are over 800 printer queues on nexus
- faculty, staff, grads use departmental printers
- grads and undergrads use labs for computing and printing
- one system for everyone and everything

The screenshot shows a web browser window titled "Header Footer Form" with a version number "v0.104". The main heading is "PocketNexus". A navigation bar contains links for "login", "disks", "printers" (which is highlighted), "calendar", "logs", and "credits". Below the navigation bar is a button labeled "select printer from list". Underneath is a large, empty text input field with a black circular cursor on the right side. To the right of the input field is a button labeled "Add/Update Prin...". At the bottom of the page, there is a footer area with the text "Engineering Computing" and the URL "http://engcomp.uwaterloo.ca". The very bottom of the page shows the text "logged into nexus" and a small double-slash icon.



- search by queue, room, server, etc.

Printer List

### Printer Selection

Sci-esc-121-a	Dell Laser Prin...	NCC1701T	ESC-121	Dell C3760C
Sci-phy-2003		NCC1701F		HP LaserJe
Sci-esc-330-c	Theoretical Ch...	NCC1701F	ESC 330C	HP LaserJe
p_arts_mps_st...	Master of Publi...	NXSARTSAPP	180 King St	Xerox GPD
p_arts-mps-ad...	Master of Publi...	NXSARTSAPP	180 King St.	Xerox GPD
p_arts-history-...	History Copier	NXSARTSAPP	HH 137A	Xerox GPD
rllab2HP1102		CHENTSERVER	DWE 1523	HP LaserJe
pchenhpcolor		CHENTSERVER	DWE 1505	HP Univers
DWE3523C	For Staff and F...	CHENTSERVER	DWE 3523C	Xerox Work
ChemEng1532		CHENTSERVER	DWE 1532	HP LaserJe
CheMainOffice...		CHENTSERVER	E6 3024	Xerox Work
ChEMEngPrt	Chem Eng ME...	CHENTSERVER	DWE Portable...	HP LaserJe
CHairXerox4150		CHENTSERVER	DWE 2518	Xerox Work
Sci-esc-350-a	Xerox WorkCe...	NCC1701T	ESC 350	Xerox Work
Sci-b1-283	Xerox WorkCe...	NCC1701T	B1 283	Xerox Work
Eng_Helix	It can duplex! (...)	ENG-SERVE	RCH-108	HP Univers

search

Courtesy Engineering Computing



Sci-esc-121-a	Dell Laser Prin...	NCC1701T	ESC-121	Dell C3760dn...
Sci-phy-2003		NCC1701F		HP LaserJet 5...
Sci-esc-330-c	Theoretical Ch...	NCC1701F	ESC 330C	HP LaserJet 6...
p_arts_mps_st...	Master of Publi...	NXSARTSAPP	180 King St	Xerox GPD PS...
p_arts-mps-ad...	Master of Publi...	NXSARTSAPP	180 King St.	Xerox GPD PS...
p_arts-history-...	History Copier	NXSARTSAPP	HH 137A	Xerox GPD PS...
rllab2HP1102		CHENTSERVER	DWE 1523	HP LaserJet P...
pchenhpcolor		CHENTSERVER	DWE 1505	HP Universal...
DWE3523C	For Staff and F...	CHENTSERVER	DWE 3523C	Xerox WorkCe...
ChemEng1532		CHENTSERVER	DWE 1532	HP LaserJet 4...
CheMainOffice...		CHENTSERVER	E6 3024	Xerox WorkCe...
ChEMEngPrt	Chem Eng ME...	CHENTSERVER	DWE Portable...	HP LaserJet 4...
CHairXerox4150		CHENTSERVER	DWE 2518	Xerox WorkCe...
Sci-esc-350-a	Xerox WorkCe...	NCC1701T	ESC 350	Xerox WorkCe...
Sci-b1-283	Xerox WorkCe...	NCC1701T	B1 283	Xerox WorkCe...
Eng_Helix	It can duplex! (...)	ENG-SERVE	RCH-108	HP Universal...

search

add printer

cancel

searching for Helix



- now press Add/Update to add or update the printer

The screenshot shows a web browser window titled "Header Footer Form" with the "PocketNexus v0.104" logo. A navigation menu includes "login", "disks", "printers" (which is highlighted), "calendar", "logs", and "credits". Below the menu is a button labeled "select printer from list". A text input field contains the path "\\ENG-SERVE\Eng\_Helix" and is followed by a black circular button. Below the input field is a button labeled "Add/Update Prin...". At the bottom of the page, there is a footer with the text "Engineering Computing" and the URL "http://engcomp.uwaterloo.ca". A status bar at the very bottom indicates "logged into nexus".




- again, green bulb indicates success

Header Footer Form

PocketNexus v0.104

login disks **printers** calendar logs credits

select printer from list

\\ENG-SERVE\Eng\_Helix 

Add/Update Prin...

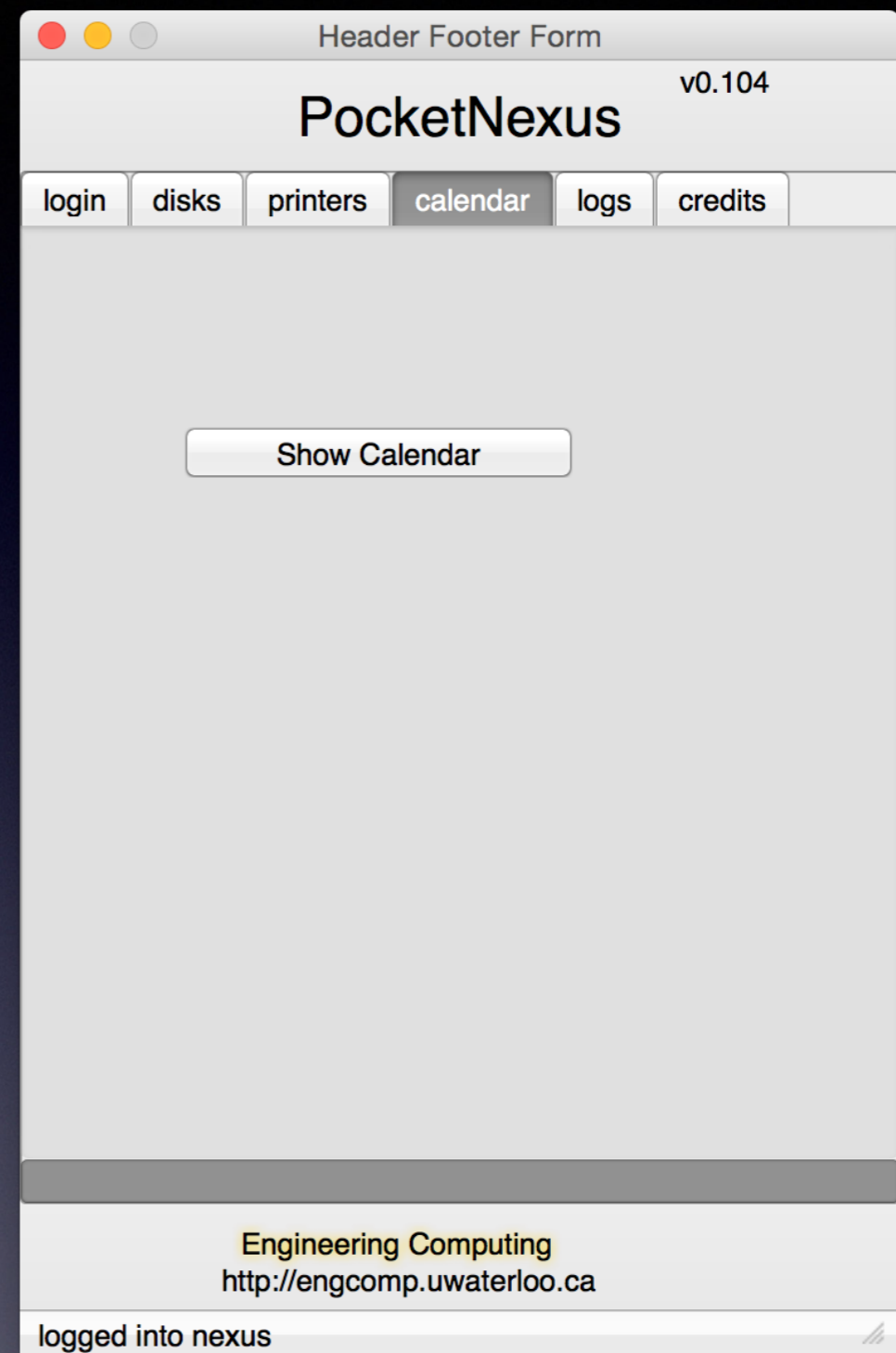
Engineering Computing  
<http://engcomp.uwaterloo.ca>

logged into nexus

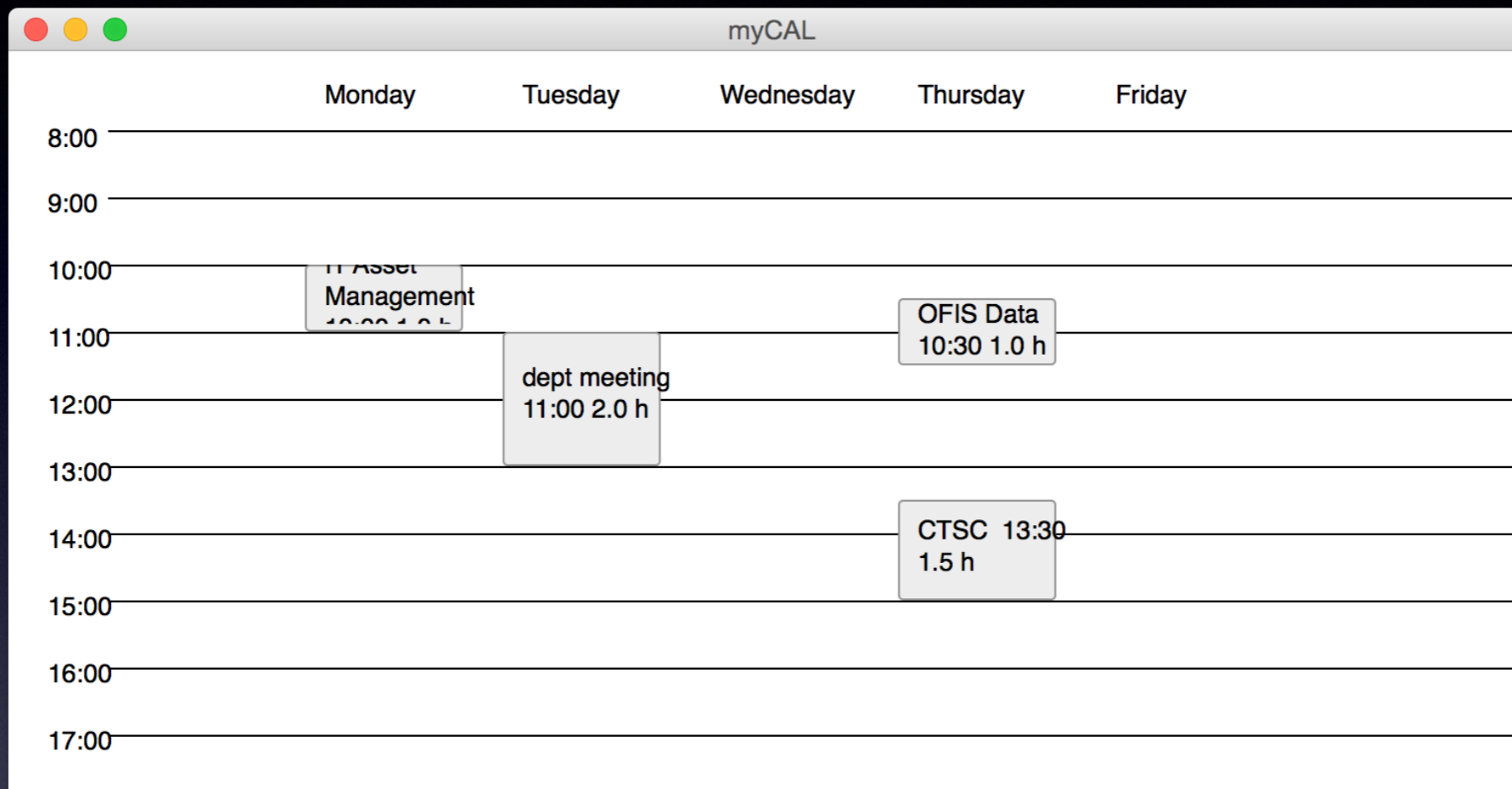


# Exchange Calendar

- simply click to login to calendar-lite







- shows the current week's events



from a colleague:

Any intelligent fool can make things bigger, more complex and more violent. It takes a touch of genius, and a lot of courage to move in the other direction.

**ALBERT EINSTEIN**