Cloud Servers for You

(from credit card to server in 30 m)
By Jim Ziobro

Long time unix hack

Talk Orgnization

- My History

- Reason for getting a Cloud Server

- Other uses

- Vendors

- Comparisons

- Setup your own

- Demo buy and setup

My History

- Career:
  - Xerox
  - RIT
  - MCC
- Work email address changed once/year
  - Ziobro.rochester.ny.us domain
- Web pages
- DNS service

Reasons for a Cloud Server

- Started with an old PC sitting on work internet

- CHEAP!

- Inconvenient to service

- Serve from home vs. Cloud

- Home uplink < 1Mbs

- Cloud Server ~100 Mbs

- Other reasons: privacy, leverage experience.

Other Uses

- Make Money!
  - Interface to paypal
  - Google ads
- BackBlaze
- DropBox
- Personal twitter, facebook, etc.

Too big???

Vendors

- Rackspace
  - Great support
- HP Cloud
  - Sophisticated configuration
- Cloud at Cost
  - DIRT CHEAP

Comparisons

- Sysbench for CPU and I/O

<1 GHz Pentium .5GB Ram vs. C@C Cloud Server		
	CPU	DISK
Pentium:	95s	70s
Cloud:	12s	274s
CPU:	sysbench --test=cpu run	
DISK:	sysbench --test=fileio --file-test-mode=seqwr run	

Build Your Own

- Develop your server (at home)

- Save up necessary files (tar)

  – Eg.: /etc/, /var/www, ~

- Init Cloud Server

  – Restrict access

- Create User Account(s)

- Yum packages

- Untar config files

Demo Build

- Do backwards today using a temp server
  - (step 3) Config then reboot
  - (step 2) Initialize server
  - (step 1) Purchase server