Cloud Servers for You
(from credit card to server in 30 m)
By Jim Ziobro

Long time unix hack
Talk Organization

- 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

<table>
<thead>
<tr>
<th></th>
<th>CPU</th>
<th>DISK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pentium:</td>
<td>95s</td>
<td>70s</td>
</tr>
<tr>
<td>Cloud:</td>
<td>12s</td>
<td>274s</td>
</tr>
<tr>
<td>CPU:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DISK:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<1 GHz Pentium .5GB Ram vs. C@C Cloud Server

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