Build your own ISP
7 easy steps to insanity

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Questions at any time
Lightning fast
Discussion at the end
and the middle :)

Format
ISP Employment

ZipWorld
Pacific Internet
Bulletproof Networks
Beagle Internet
Which Market?

- Residential
- Corporate
- Wholesale
- Channel
- All of the above
What do ISPs do?

- Dial
- ADSL
- SHDSL
- Wireless
- ISDN

- Email
- Web Hosting
- Webmail
- Support
- Voice
How will you do it?

VISP
Wholesale Aggregator
Raw Wholesale
NASs
Call Collection Areas
Buy Ports
National vs Regional
Backhaul
ISDN
DSLAM
Wholesale Aggregator
ADSL2
l2tpd vs Cisco
Getting Connected

Connectivity
IP Space
BGP - quogga/zebra
Peering
Cisco vs Linux
Email

Tiers Setup
Storage Backend
SMTP Relay frontend
perdiction, exim, dovecot
SMTP auth
LDAP - OpenLDAP
Database - mySQL/postgreSQL
Monitoring

Nagios
MRTG/RRD
SMS/Pagers
Redundancy
The Web?

Web Hosting
PHP/CGI
Shared Hosting
Colo
Transparent Proxies
Billing

Which billing system?
Off the shelf
vs
build your own
anniversary vs calendar
Radius
freeradius
Auth
Acct
Bandwidth
bind9
authoritative
 caching
Small ISP
Start in support
Show your worth
Looking for work?

Linux Sysadmin/Support
Bulletproof Networks
Ask me for a card send me your resume