Tiny Tiny Cheap Cloud
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https://github.com/masayukig/cheap-cloud

Agenda

- What is "the OpenStack"?
- What I did
- Why do I need it?
- How to build it? (Design, Hardware, Yahoo! auction, Rent a car, LackRack)
- Benefits
- Issues
- Conclusion
- Demo

What is "the OpenStack"?

- Open Source Cloud Software: Apache License Version 2.0
- consists of a lot of projects: xx projects
- released every 6 month: Latest version is called 'Queens'

What I did

- Buy 1U servers * 3
- Install the servers
- Install openSUSE
- Install OpenStack

Buy 1U servers

- Yahoo! Auction
- 1U, Xeon 6cores * 2CPU, 32GB RAM, 250GB HDD*2, 15k JPY
- By car

Install the servers

- ▶ Stack on the floor?
- ▶ Rack?
- ▶ LackRack

Install openSUSE

- Download image and burn it to a USB stick
- Install from that media
- Update it to the latest

Install OpenStack

- Read the Doc
- Install from the openSUSE repo
- Configure

Benefits

- Free!!!
- Low Cost
- Powerful
- Low Network Latency
- Warm (in winter)

Issues

- Electricity
- Noise
- Space
- Failures
- Abandonment

Demo

- Boot an Instance

Conclusion

- TBD