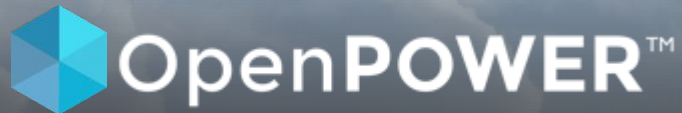


Minicloud

The FREE OpenPower Cloud by Unicamp

Luciano Zago

lucianozago.com





WHAT IS IT?

- ▶ A **free public cloud** with **POWER** processors
- ▶ Hosted at **University of Campinas (UNICAMP)**
- ▶ Created in **2014**: 5 years online
- ▶ Powered by **OpenStack**
- ▶ Team formed by **Unicamp students** and **professors + IBMers**





PROJECTS



FreeBSD



julia



FFmpeg



alpine
Linux

debian



webm

Guix



PowerAI



ERLANG



LLVM



Jo Shields
@directhex



Am eternally grateful to Minicloud, from University of Campinas & [@OpenPOWERorg](#), for providing us with PowerPC VMs for years. But our needs have vastly outstripped what we could expect for free, hence new hardware

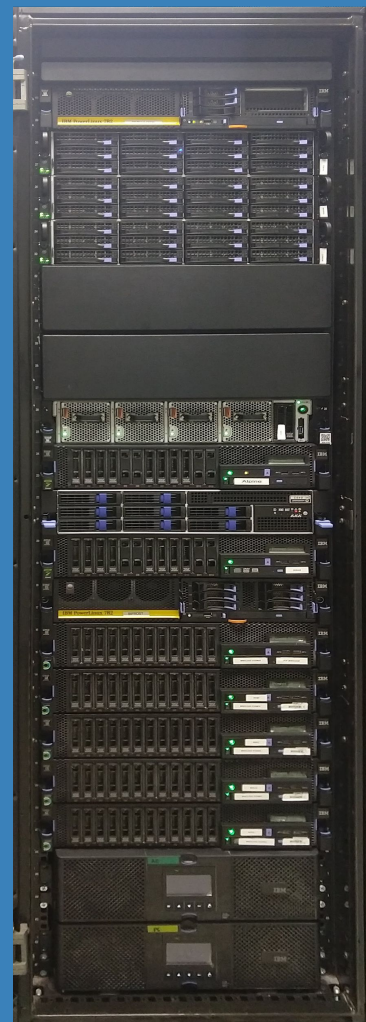
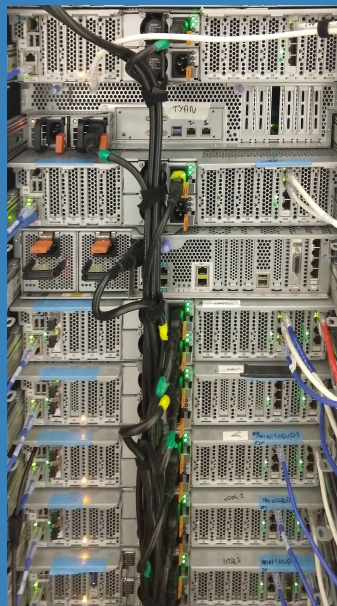
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INFRASTRUCTURE

- ▶ **5** POWER8 and **2** POWER9 servers
- ▶ **576** vCPUs, **760GB** RAM, **10TB** disk
- ▶ Ubuntu + Openstack + KVM
- ▶ **Distros available:**
CentOS, Debian, Fedora, OpenSUSE and Ubuntu

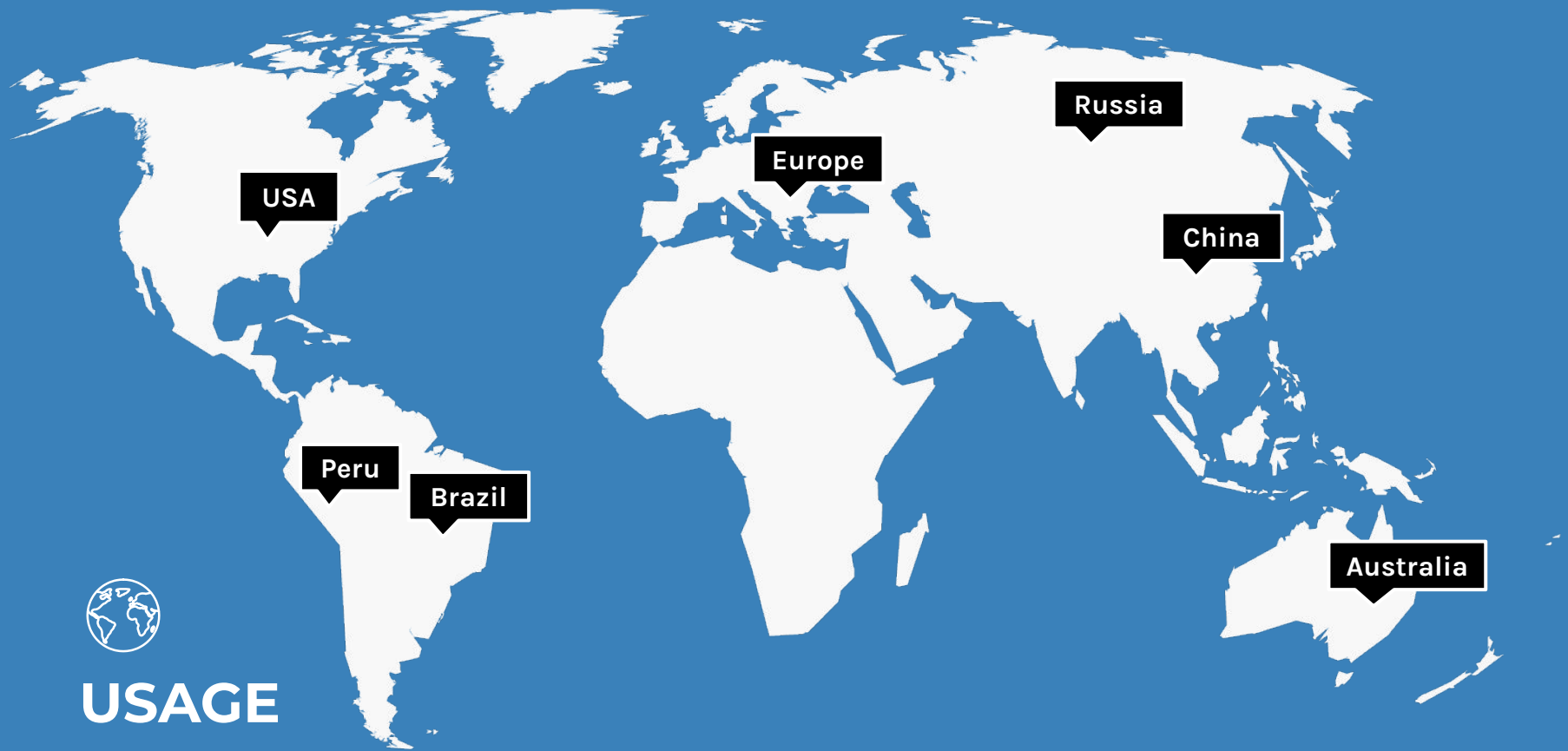


330+ instances

150+ active users

99% uptime







REQUESTING ACCESS

- ▶ Enter openpower.ic.unicamp.br/minicloud
- ▶ Fill in the “Request Access” form
- ▶ Briefly describe the purpose of your request
- ▶ Wait for the access approval
- ▶ You will receive a **free** account with **8** vcpus and **10GB** RAM, that can be extended if needed



Slides:



THANKS!

openpower.ic.unicamp.br/minicloud

