DevCloud & CloudMonkey

CloudStack Demos

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$ whoami

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> Committer, CloudStack-incubating, ASF

> Committer, VLMC, VideoLAN

> Wrote some code, some of 'em got stargazers, others got forked: https://github.com/bhaisaab

> map(amateur, [flautist, beatboxer, roboticist, hardware/uC/ARM hobbyist])

DevCloud?

- "Infra in your lab" in a box, a virtual appliance that runs on VirtualBox
- Offline development <= 2G RAM
- VMs on Xen, Xen on VirtualBox *sweet!*
- Goodies: MySQL, NFS, build tools
- DIY: VMs on Xen + Xen on {Xen, KVM, Fusion/Workstation}
- http://people.apache.org/~bhaisaab/cloudstack/devcloud/
- http://rohityadav.in/logs/devcloud

The DevCloud Workflow

- Setup CloudStack git repo, configure IDE. IntelliJ IDEA CE/Ultimate recommended.
- Run MySQL server.
- Build and install mgmt server:
  mvn clean install -P systemvm -P developer
- Deploy database:
  mvn -pl developer,tools/devcloud -P developer -Ddeploydb
- Run mgmt server:
  mvn -pl client jetty:run

CloudMonkey?

The CloudStack mascot, the cloud monkey!

CloudMonkey or Cloudmonkey?

CLI named after our mascot.

https://cwiki.apache.
org/confluence/display/CLOUDSTAC
K/CloudStack+cloudmonkey+CLI

http://rohityadav.in/logs/cloudmonkey

TODOs

- **DevCloud:**
Multiple imports, dom0 host uuid fix
RAM, VM Size optimizations
Ease of use, feedback welcome!
- **CloudMonkey:** (contributions welcome!)
Unicode
Bash/zsh completion
API refactoring: runtime API discovery
DocBook documentation
- Q&A? Thanks!