Open Source Software for Cloud Computing

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Open Source Software

- Source Code available
- Licensed : holder provides the rights to study, change and distribute the software to anyone and for any purpose.
- Open Source Development
- Use in Business

Cloud Computing

- Model of network computing where a program or application runs on a connected server(s) rather than a local computing device.
- SaaS : Software as a service , on-demand software, subscription basis.
- PaaS : Platform as a service, computing platform and solution stack as a service ex : LAMP
- IaaS : Infrastructure as a service , virtual machine, server, storage, load balancers, network. Ex : OpenStack , Xen and KVM.

Open Source and Cloud Computing

- Company devlop open cloud application : Facebook, Amazone, …
- For anyone : researchers, and global data centers looking to deploy large-scale cloud deployments for private or public clouds.
- Help to find cloud standard.
- Remove the fear of proprietary lock-in for cloud customers.

Conclusion

- An open cloud stands to provide the same benefits for large-scale cloud computing that the Linux standard provided inside the server.
- Global effort
- Cost
- Optimization
- Transparency
- Security