

OS FOR CLOUD

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Introduction

- New definition of operating system
- It is open source web desktop using cloud computing's concept
- Everything can be accessed from everywhere inside a network
- Idea is to make whole system live in web browser
- Companies involved: Google, Amazon, Microsoft and Yahoo

Technology

- Linux is the natural technology for enabling cloud computing.
- It's modular, it's performant, its open source
- It's the platform upon which largest cloud infrastructures in the world have been built.

Benefits

- Worldwide availability of cloud operating systems:
 - As its available through internet
- Requires only browser
 - A browser with java support is more than enough
- Dynamic content and design
- Extensive list of application

Future Thoughts

- Detailed definition of functional elements and interfaces of the kernel-space Cloud processes and of user space libraries.
- The design and implementation of the aforementioned elements with emphasis on fault-tolerance, security, and elasticity.

Examples

- Startforce
 - We can run Windows apps such as MS Office, Adobe Acrobat and QuickBooks.
- Lucid
 - Lucid comes with comes lots of applications. One can browse photos, listen to music, and edit documents. It also comes with games, calculator and bash like terminal application.

References

- <http://www.slideshare.net/dattudharanikota/cloud-operating-systems>