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An Integrated Cloud Service of Application Delivery in Virtualized Environments

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Abstract : Virtualization technologies are experiencing a renewed interest as a way to improve system reliability, and availability, reduce costs, and provide flexibility. This paper presents the development on leverage existing cloud infrastructure and virtualization tools. We adopted some virtualization technologies which improve portability, manageability and compatibility of applications by encapsulating them from the underlying operating system on which they are executed. Given the development of application virtualization, it allows shifting the user's applications from the traditional PC environment to the virtualized environment, which is stored on a remote virtual machine rather than locally. This proposed effort has the potential to positively provide an efficient, resilience and elastic environment for online cloud service. Users no longer need to burden the platform maintenance and drastically reduces the overall cost of hardware and software licenses. Moreover, this flexible and web-based application virtualization service represent the next significant step to the mobile workplace, and it lets user executes their applications from virtually anywhere.

Keywords : cloud service, application virtualization, virtual machine, elastic environment
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