World Academy of Science, Engineering and Technology
International Journal of Computer and Information Engineering
Vol:11, No:12, 2017

# System and Method for Providing Web-Based Remote Application Service

**Authors :** Shuen-Tai Wang, Yu-Ching Lin, Hsi-Ya Chang

**Abstract :** With the development of virtualization technologies, a new type of service named cloud computing service is produced. Cloud users usually encounter the problem of how to use the virtualized platform easily over the web without requiring the plug-in or installation of special software. The object of this paper is to develop a system and a method enabling process interfacing within an automation scenario for accessing remote application by using the web browser. To meet this challenge, we have devised a web-based interface that system has allowed to shift the GUI application from the traditional local environment to the cloud platform, which is stored on the remote virtual machine. We designed the sketch of web interface following the cloud virtualization concept that sought to enable communication and collaboration among users. We describe the design requirements of remote application technology and present implementation details of the web application and its associated components. We conclude that this effort has the potential to provide an elastic and resilience environment for several application services. Users no longer have to burden the system maintenances and reduce the overall cost of software licenses and hardware. Moreover, this remote application service represents the next step to the mobile workplace, and it lets user to use the remote application virtually from anywhere.

**Keywords :** virtualization technology, virtualized platform, web interface, remote application
**Conference Title :** ICCSE 2017 : International Conference on Computer and Software Engineering
**Conference Location :** Sydney, Australia
**Conference Dates :** December 04-05, 2017