Abstract

Technology revolution brought by cloud computing, is affecting the work of web developers that could benefit of installed frameworks and platforms where to deploy applications without management needs. Cloud computing in its different usage models according the kind of offered utilities (e. g., storage or computing facility as software, web framework as a platform and virtual machine as infrastructure), is becoming a successful distributed computing paradigm thanks to the services made available by several commercial organizations in many cases with a free starting plan. This paper wants to analyze the cloud offerings from the web developer's perspective that often need to configure and manage the environment where to design, develop and deploy their applications. The aim is to understand whether such services are effective for the development and deployment of general-purpose web applications (i. e., from website to mobile web apps) or introduce further complexity requiring additional skills to developers.

References

- Governor James, Hinchcliffe Dion, Nickull Duane, 2009. Web 2. 0 architectures,
The Platform as a Service (PaaS) Cloud Model: Opportunity or Complexity for a Web Developer?

O’Reilly.
- Dropbox website, Available at: http://www.dropbox.com.
- Humble Jez, David Farley, et. al., 2010. Continuous Delivery: Reliable software releases through build, test, and deployment automation, Kindle version, Addison-Wesley Professional.
Opensourceconnections.com.
- Heroku website, Available at: https://www.heroku.com
- Cloud Foundry portal. Available at: http://www.cloudfoundry.com
- Derrick Harris, 2013. Why 2013 is the year of &apos;NoOps&apos;for programmers, Gigaom, Available at: http://gigaom.com/2012/01/31/why-2013-is-the-year-of-noops-for-programmers-infographic/32
- Cloudify website. Available at: www.cloudifysource.org
- Evernote website. Available at: https://evernote.com
- The Go programming language. Available at: http://golang.org
- VMware vSphere. Available at: www.vmware.com
- AppScale website. Available at: www.appscale.com
- OpenShift by redhat website. Available at: http://www.openshift.com
- Prabhakar Chaganti, 2010. Cloud services for your virtual infrastructure, Part2: Platform as a Service (PaaS) and AppScale. IBM developerworks library.
- Eucalyptus Open source. Available at: http://www.eucalyptus.com
- Rackspace website. Available at: www.rackspace.com
- HPCloud services. Available at: http://www.hp.com
- Archana Venkatraman, Case Study: CERN adopts OpenStack private cloud to solve big data challenges, ComputerWeekly.com, 2012

**Index Terms**

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**Keywords**

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