Abstract

In recent years, technologies have been introduced offering a large amount of computing and networking resources. Traditional application integration technology takes a long time to build and deploy, requiring professional developers and domain experts. They are server-centric and thus do not fully utilize the computing power and storage capability of client systems. Cloud computing is a new infrastructure deployment environment that delivers on the promise of supporting on-demand services like computation, software and data access, storage etc. Clouds provide inexpensive access to remote resources. Academia has not remained unaware of this trend, and several educational solutions (LMS) based on cloud technologies are already in place, especially for software as a service (SAAS) cloud. Extending the functionality to infrastructure and platform clouds (IAAS,PAAS) has not been explored yet. Learning process in academia has different stages and there is no design to classify clouds for each of them especially for computer science students. In this paper, we use the architecture and the organization of a Mashup Container that supports the deployment and the execution of Event Driven Mashups. In collaboration with PaaS, Virtualization provides an opportunity for extension of independent virtual resources based on available physical systems. Finally, the results of virtualization of mashup container through its supporting scalability and fault tolerance in cloud computing environment.
Implementing Educlouds using virtualization with Cloud Mashup’s

References

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Index Terms

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