Abstract

The current Internet has been hugely successful in achieving global connectivity between a large number of diverse networks, devices, and users. This success is due to the openness of the architecture and the general philosophy of allowing any system to communicate with any other system on the network. Such open standard has made it possible for everyone to communicate, offer service, and make profit thereby creating an indispensable impact on our lives so Internet suffers from the problem with the tightly coupled layered architecture. So there should be loosely coupled architecture of internet. The Service-Oriented Architecture (SOA) provides an effective architectural principle for system integration and has been adopted in Cloud service provisioning on network virtualization. In this article propose a clean-slate service-driven framework that concentrates on service combination and adaptation to context conditions by means of service discovery, selection and service composition through the cloud technology on network virtualization. These processes are necessary to enable Future Internet service provisioning in an adaptive manner, satisfying the specific QoS/QoE requirements demanded by users. Additionally, it makes efficient use of network resources.
References

Development of Service Driven Clean-Slate Framework on Network Virtualization towards Future Internet


Index Terms

Computer Science
Information Sciences

Keywords

Service oriented architecture (SOA)  Service discovery  description and composition

Architectural framework

Future Internet.