中央研究院 資訊科學研究所
Institute of Information Science, Academia Sinica

Distinguished Lecture Series

OpenCloud: A Value-added Cloud for Network Operators

Wednesday, April 8th, 2015 10:00am
Auditorium 106 at New IIS Building

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Abstract

The Cloud is rapidly changing the face of the Internet, building on two disruptive technologies: multi-tenant virtualized clusters and Software Defined Networks (SDN). Multi-tenant virtualized clusters enable scale-out designs with flexible resource use and good cost/performance. SDN makes it possible to both manage complexity and customize the network. These technologies are being deployed throughout the Internet; they are not limited to the data center. Network operators are migrating away from purpose-built hardware appliances and moving towards infrastructure that exploits virtualized commodity servers and SDN at the very edge of the Internet, a practice being called Network Functions Virtualization (NFV). This talk puts forward a vision for a Value-Added Cloud that demonstrates how network operators can take advantage of cloud technology. It also describes a prototype, called OpenCloud, that we are building with Internet2.

For more infomation: http://www.iis.sinica.edu.tw/