Title: Private Cloud – Enterprise Cloud Computing

Speaker: Dr. Yew-Huey Liu, IBM T. J. Watson Research Center
IBM Smart Cloud Enterprise+ Architect and Cloud Service Management Lead

Abstract

Organizations in every industry, regardless of size or geography are embracing cloud computing as a way to reduce the complexity and costs associated with traditional IT approaches. Privacy, Compliance, and Legal issues are the major issues preventing enterprise from moving into a cloud environment. A new cloud environment, Private Cloud, starts to take shape. It refers to corporate data centers adopting the technologies and practices of public cloud infrastructures such as those Amazon.com and Google operate. Steady State management has been a big operation concern in the enterprise data center. Will the traditional ITIL processes, such as Incident, Problem and Change management, fit into the dynamic nature of the cloud computing? How will the SLA be measured? These are just some of the questions that need to be considered when Enterprise IT transforms its operation into cloud environment. In this talk, I will go thru the basic Cloud services, IaaS, PaaS, SaaS, and IBM involvement in these services. I will also talk about how Enterprise is transformed it's IT into the private cloud and how the IT service management fits into the whole picture, and what is the challenge that cloud service providers are facing. I will introduce IBM **Smart Cloud – Enterprise+**, and how it is designed to help Enterprise transform their workloads into the cloud environment. Finally, I will talk about topics in cloud research I was involved in, such as oversubscription in the cloud, cloud user experience and high performance cloud (HPC).