

Title: Cloud Computing Security Automation

Speaker: Cihan Tunc, University of Arizona

Abstract: Cloud computing has been a part of our daily life due to its features such as ubiquitous computing, on-demand access, pay-as-you-go modeling, etc. On the other hand, cloud computing security has been one of the major challenges in today's IT world. The cloud service providers offer high availability while leaving the security of the virtual machine (VM) and the applications deployed to the cloud users. Our framework focuses on the following questions: What are the security requirements from both the provider and user side? How can a user define the security requirements and the deployment process can be automated as there are no security automation effort currently? And, how can the users' security requirements and the providers' capabilities be mapped and also verified?

