University of Pavia

Ph.D. School of Electrical and Electronics Engineering and Computer Science

SEMINAR

An Overview On Client-Centric Cloud Computing

Mariam Rady

Christian Doppler Laboratory for Client-Centric Cloud Computing - Austria

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Dipartimento di Ingegneria Industriale e dell'Informazione

Abstract:

Nowadays Cloud Computing is one of the most often used buzzwords in computing. There are many providers offering many kinds of cloud services. Such services present prospective clients with many benefits. But is cloud computing a mature technology? Is it ready for large scale adoption?
Our conviction at the Christian Doppler Laboratory of Client Centric Cloud Computing (CDCC) in Austria is that cloud computing still requires a lot of fundamental research. Among many other problems, we identified a lack of client orientation. The customer loses control over his data in a cloud system, posing a lot of challenges on how to make him feel safe and in control of his own systems on the cloud. At the CDCC we are working on formal models for a client-controlled interaction middleware that will be located on the customer side, which can be easily adapted to leading cloud architectures. The middleware would have different, loosely coupled components. The middleware covers identity management, device adaptivity, security monitoring, SLA Management, client-to-client interaction and multi-cloud support. In the seminar, we will present the different components of the middleware with the main focus on SLA management in the cloud.

Bio: Mariam Rady is currently a researcher and a PhD student at the Christian Doppler Laboratory for Client-Centric Cloud Computing at the Johannes Kepler University, Linz. She was born and raised in Alexandria, Egypt and moved in 2005 to Cairo, Egypt to study Computer Engineering at the German University in Cairo. After finishing her Bachelor degree, she moved to Linz, Austria to finish her master studies and continued on the academic path and is now on her way to finishing her PhD. The main focus of her research is on Service Level Agreement management in cloud computing

Organizer	**Ph.D. Coordinator**
Prof. L. Massari	Prof. M. Calzarossa

Seminar in English
For more information: luisa.massari@unipv.it