

SUPERCLOUD WORKSHOP—XDOMo'17 Co-located with EuroSys 2017

The SUPERCLOUD Consortium organizes a **workshop on Security and Dependability of Multi-Domain Infrastructures (XDOMo 2017)**. The workshop is **co-located with the EuroSys 2017 Conference in Belgrade/Serbia** and will take place on **Sunday, 23rd April 2017**. **Multi-domain** infrastructures are rapidly growing as "the" broad class of architecture for large-scale distributed systems that are software-defined, virtualize resources, and blend multiple clouds and networks. Acute **security and dependability** challenges, such as preventing insider attacks or avoiding wide-area single points of failure, require novel approaches, both to system architecture and to security and resilience mechanism implementation, to restore a high level of control over infrastructure layers and across domains, and to overcome infrastructure heterogeneity and complexity. This workshop aims to bring together **researchers and practitioners** from security and dependability Communities in virtualization of **systems, storage, and networking**, to discuss current trends and challenges and propose novel system-level solutions for the design, implementation, and deployment of secure and resilient multi-domain infrastructures.

Workshop programme

08.30 – 09.00	Registration
09.00 – 09.10	Opening and Welcome
09.10 – 10.30	Session 1: Network Security
	Implementing Geo-Blocking and Spoofing Protection in Multi-Domain Software Defined Interconnects Himal Kumar (UNSW, Australia), Anu Mercian (Hewlett-Packard Enterprise, US), Sujata Banerjee (VMware, US), Craig Russell (CSIRO Data 61, Australia), and Vijay Sivaraman (UNSW, Australia).
	Secure and Dependable Multi-Cloud Network Virtualization Max Alaluna, Eric Vial, Nuno Neves, and Fernando M. V. Ramos (LaSIGE, Faculdade de Ciencias, Universidade de Lisboa, Portugal).
	Towards intrusion-resilient security monitoring in multi-cloud infrastructures Hans P. Reiser (University of Passau).
	Adaptive Policy-driven Attack Mitigation in SDN Rishikesh Sahay, Gregory Blanc (Télécom SudParis), Zonghua Zhang (IMT Lille Douai), Khalifa Toumi, and Hervé Debar (Télécom SudParis).
10.30 – 11.00	Coffee Break
11.00 – 12.00	Keynote: Microarchitectural Attacks in the Cloud By Clémentine Maurice, Secure Systems Group, Graz University of Technology, Austria
12.00 – 12.20	Session 2: Systems Security
	TrApps: Secure Compartments in the Evil Cloud. Stefan Brenner, David Goltzsche, and Rüdiger Kapitza (TU Braunschweig).
12.20 – 12.30	Closing

Key Data:

<i>Start Date:</i>	1 February 2015
<i>End Date:</i>	31 January 2018
<i>Duration:</i>	36 months
<i>Project Reference:</i>	643964
<i>Project Costs:</i>	€ 6.863.279
<i>Project Funding:</i>	€ 5.398.280

Consortium:

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