

Project Acronym and Title:

5GhOSTS - 5TH GENERATION SECURITY FOR TELECOM SERVICES

Deliverable:

D5.4: INITIAL SETUP OF COMMUNICATION CHANNELS

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Public introduction
5GhOSTS will analyse and improve the security of service-based implementations of 5G networks, relevant to protect the EU's critical communication infrastructure. Starting from the emerging 3GPP's service-based architecture for 5G networks, which includes virtualization of mobile and core network functions, the project aims to improve the security of virtualization technologies: containers, lightweight Virtual Machines and orchestration frameworks. Unlike previous evolutions in the telecommunications sector, the 5th Generation of Telecommunication Systems (5G) presents diverse and novel requirements for technologies such as heterogeneous air interfaces, Software Defined Networking, Network Functions Virtualization, Mobile Edge Computing and Fog Computing, as well as algorithms to optimize the management of such complex networks. As a result, the 5G evolution will mainly built on layers of software services. The telecom industry is migrating to virtualized and orchestrated environments, allowing the deployment of Virtual Network Functions (VNFs) on cloud infrastructure enabling the concept of network slicing. The main motivation driver for this move is sustainability through cost and energy reduction as well as full automation of telecom systems operations facilitating dynamic and scalable adaptation to service demands. State-of-the-art light-weight virtualization and container orchestration frameworks clearly contribute to this driver, but do not meet the stringent security requirements of telecommunication systems.

Executive Report Summary
This deliverable reports on the setup of mailing lists and a basic collaboration platform for the project's bodies.

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1. Public Contact Points

The consortium has set up a public website, https://5ghosts.eu, which currently hosts a project description and information about the four open ESR positions. This website will be maintained throughout and beyond the execution time of the project to disseminate results.

The consortium has further set up a public contact e-mail address fiveghosts@cs.kuleuven.be, which can be used to get in touch with the project team, e.g., for requests about our open positions. E-mails to this address are being forwarded to a rotating group of members of the Joint Supervisory Board and the Project Management Board (cf. D6.5 Supervisory Board of the Network).

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2.Internal Mailing Lists

The consortium has set up two internal mailing lists:

- 5ghostsall@ls.kuleuven.be -- This is a general list for all members of the consortium, including ESRs and external supervisors at our partner's sites.
- 5ghostsadmin@ls.kuleuven.be -- This list is used for administrative and strategic discussions amongst the members of the Joint Supervisory Board and the Project Management Board (cf. D6.5 Supervisory Board of the Network).

All emails to these mailing lists are archived. The archive is protected against unauthorised access, and backed-up by KU LEUVEN's central ICT support. The use of the mailing lists is explained in the 5GhOSTS Quality Handbook (cf. D6.2 Collaboration Platform and Quality Handbook).

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3.Basic Collaboration Platform

During the 5GhOSTS kick-off meeting on 2019-09-19, members of the freshly established Joint Supervisory Board decided upon using Microsoft SharePoint as a groupware solution and collaboration platform. The 5GhOSTS SharePoint is accessible to project members at

- https://www.groupware.kuleuven.be/sites/5GhOSTS/

All data in the SharePoint portal is protected against unauthorised access, and backed-up by KU LEUVEN's central ICT support. The use of the collaboration platform is explained in the 5GhOSTS Quality Handbook (cf. D6.2 Collaboration Platform and Quality Handbook).

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