Continuous Integration of Embedded Security Software

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Master thesis in Computer Science

This report focuses on the protocols Object Security for Constrained RESTful Environments (OSCORE) and Ephemeral Diffie-Hellman Over COSE (EDHOC), which enable a new method for secure communication designed for embedded devices. New libraries, implementing said protocols, are written and tested with help of a Continuous Integration (CI) pipeline. Some performance metrics are gathered and example applications can successfully be run on a standard PC as well as a selected embedded device.