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Yepaneshnikov V.D. (evd_44@mail.ru), **Yepaneshnikova I.V.**
Far Eastern State Transport University

ENHANCING THE PROTECTION OF INFORMATION SYSTEMS THROUGH PROTECTION OF INDIVIDUAL WEB-APPLICATIONS IN LINUX OS

The capacity of class QHttpServer, used to create server web applications in Linux operating system, was expanded with the addition of SSL. This allowed the browser and the web server application to be linked through a secure encrypted TCP connection. The project was implemented in the Qt Creator 3.3.0 environment (based on Qt 5.4.0) of the Fedora-20 operating system (32 bit version) (the commercial version of Fedora is Red Hat). The project was also implemented in the Qt Creator 4.2.1 environment (based on Qt 5.8.0) of the Fedora-25 operating system (64 bit version) and in the AstraLinux operating system.

Keywords: information security, server-side web application, SSL Protocol.

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