

DETECT

1Forma

Penetration Testing of the 1Forma platform

Research summary

2020

The 1Forma company is a developer of a BPM system for automating and managing business processes' efficiency, organizing a common information space, and providing secure storage and corporate data use.

1Forma ranks among the Top 10 Russian companies by the number of implemented BPM projects (according to TAdviser.ru).

The system by 1Forma successfully operates in more than 150 companies from various industries, including market leaders.

DeteAct is an effective team of information security experts providing a wide range of security services: security analysis, penetration testing, building secure development processes, and computer security consulting.

The projects performed by DeteAct involve highly experienced hackers: including multiple competitive hacking world champions.

The company's portfolio includes clients from more than ten countries, including the USA, the EU, the CIS, Singapore, China.

1Forma provides its clients with a common information space for automation and control of business processes and operating with documents and corporate communications.

In this regard, the secure storage and processing of confidential information are critical for its customers. For more effective testing, it is essential to engage external organizations with high expertise in cybersecurity.



Security is a crucial feature of any IT system. We are aware of our responsibility towards our customers and invest in improving data protection technologies and approaches to developing and testing the 1Forma platform.

Denis Seleznev, CEO
1Forma

DeteAct service

Software Security Assessment

Selecting a Contractor

1Forma engaged DeteAct in testing the system due to its relevant work experience and business partner recommendations. The founder and CEO of the company, Omar Ganiev, has been working in the information security field for more than 13 years, of which five years he has been managing penetration testing teams.

Assigned Tasks

The purpose of the testing was to identify weaknesses and vulnerabilities in the 1Forma platform that allowed stealing critical data from the system or affecting business processes.

During the testing, different intruder models were considered, such as a guest user and a user with significant privileges.

To improve the testing coverage, 1Forma gave the DeteAct team access to the product's source code, so the analysis was performed using the "white box" method.

Work Description

The testing was conducted in May-June 2020 and took about three weeks. As a result, the experts discovered a range of medium-severity weaknesses, but it was not possible to ultimately compromise the system in the time allocated.

Due to well-coordinated interaction with the penetration testers, 1Forma developers fixed all the discovered vulnerabilities in the course of work.



In systems of such complexity as 1Forma, there are usually a lot of critical vulnerabilities. At first glance, we expected the same here, but during testing, we saw a combination of good development practices and a successful choice of the technology stack, which prevented many typical issues.

Omar Ganiev, CEO
DeteAct

Thanks to the cooperation, 1Forma received an independent security assessment of the product. DeteAct developed a report with a list of discovered vulnerabilities and specific remediation guidelines.

As a result, 1Forma managed to increase product security and establish approaches to further independent remediation of vulnerabilities.

DeteAct experts also gave recommendations for further improving the product security level and building a secure development process with references to methodologies and standards.

Test Conclusion



The 1Forma system needs regular penetration tests because it processes and stores sensitive customer data



During the security audit, 1Forma promptly fixed all identified vulnerabilities



DeteAct provided 1Forma with recommendations for building a secure development process in the future based on the results of the work performed

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