



Уральский федеральный университет

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России Б.Н.Ельцина

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На № _____ от _____

Dear colleagues!

Ural Federal University, one of the largest higher educational institutions in Russia and a home to more than 30 000 students from 60 countries, would like to invite a team of students from your University to take part in RuCTFE 2015 — a competition in information security.

RuCTFE and RuCTF are annual international team competitions in information security held by Ural Federal University for the 7th and 10th time accordingly. The main purpose of these competitions is to share knowledge and develop professional skills in the field of information security.

The competition, which is held according to the international rules of Capture the Flag (CTF), consists of two stages:

- 1) RuCTFE 2015 (qualification) is held over the Internet with a limit of 300 teams. It is held online on November 21, 2015, simultaneously for all participants.
- 2) RuCTF 2016 (finals) is an on-site competition for the teams qualified on the first stage. It is held in April 2016 in Yekaterinburg, Russia.

Registration for RuCTFE 2015 is open at <http://ructf.org/e/2015/>. Deadline of the registration is November 15, 2015.

RULES

Teams are provided with identical servers that run some vulnerable network services. Teams had to identify vulnerabilities in their services and fix them without breaking the services themselves. To prove the danger of the found vulnerabilities teams had to exploit them on other teams' services to get special pieces (called flags) of secret information and submit them to the Jury.

Participants are required to be familiar with computer science-related subjects such as cryptography, steganography, network and OS administration, reverse engineering, forensics and etc. Vulnerable services are written in one of the popular (and sometimes not that popular) programming languages, therefore team should be able to read and write code in some of the programming languages, the more the better.

One University can be represented by more than one team.

COMPETITION GOALS

- broaden knowledge and practice skills in creating and support of information security systems;
- form a systems thinking in the field of information security;
- form understanding of sources of information security threats and security measures against them;
- motivate students for self-education;
- develop teamwork skills, high business and moral qualities, sense of professional pride;
- support extracurricular courses, scientific societies, student clubs in the field of information security;
- draw attention to the demand for information security experts and prestige of this profession;
- familiarize students with real-world tasks in information security;
- give an opportunity to apply the theoretical knowledge learned in the university in practice;
- assess professional competence and ability to manage difficult situations.

We are looking forward to your participation in RuCTFE and we hope to see you in April in Ekaterinburg!

Rector of UrFU



V.A. Koksharov