

The increasing importance of the Internet as an integral part of contemporary society has stressed the need to formalize the process of response to security incidents that accompany it inseparably. Security teams of the CERT/CSIRT type are established at different levels for this purpose. These teams respond to reports from their constituency and cooperate with other teams. This thesis introduces the reader to the issues these teams deal with and analyzes their needs in resolving threats and problems related to DNS and its domains. Part of the work is an overview of the basic existing tools to support the work of CERT/CSIRT teams to solve problems with domains, the design of a tool Malicious Domain Manager and description of its implementation. The results of test run of this tool by CZ.NIC-CSIRT team show its contribution to security of DNS.