

## **Annotation**

The purpose of this work is to design and organize Active Directory security for an event, supplementing standard tools with undocumented features. The emphasis in this paper was on addressing Active Directory security issues using the undocumented features of Windows Server. In addition, the goal of the work is to automate the processes in the work of AD using the same undocumented features. The input to the job is an unprotected Active Directory tutorial that I designed.

The results of the work will be:

- 1) PowerShell scripts to automate the process of collecting data by users, as well as to protect the domain.
- 2) Group policies for domain protection.
- 3) Method of protection against attacks on Active Directory.