

# Application Security

## Exercise Set 5, Wizards

1. Create an application which will:

- Read a certificate from a local file (including private key),
- Read a certificate from some central repository (e.g. Certificate Store in Windows),
- Print the certificate content,
- Encrypt and decrypt using the obtained certificate and the corresponding private key.

[5p]

2. Install any LDAP server or configure any LDAP server in cloud. Create several accounts, protect an access to accounts based on at least 2 security groups (e.g. HR and finance) and create a simple application which (a) connects to the server, (b) authenticates a user, (c) searches at least 4 attributes of the user. If you do that without applying an encrypted channel, use sniffer to see the transmission.

[5p]

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