

Application Architecture

- Overview
- Security requirements
- **Security review - findings**
- Possible improvements

Application Architecture

Security Review - Findings (1/3)

- LDAP Authentication and Connection
 - application currently connects to the LDAP directory as “anonymous”
 - ➡implement proper authentication/authorisation mechanisms to restrict access
 - ➡use an encrypted connection (SSL/TLS) and mutual authentication
- Data encryption
 - algorithm processes data in blocks of 16 bytes at a time, identical text blocks produce identical cipher-text blocks
 - ➡verify suitability of the selected encryption algorithm (AES-128-ECB)
 - ➡provide more information about encrypted and non-encrypted data fields