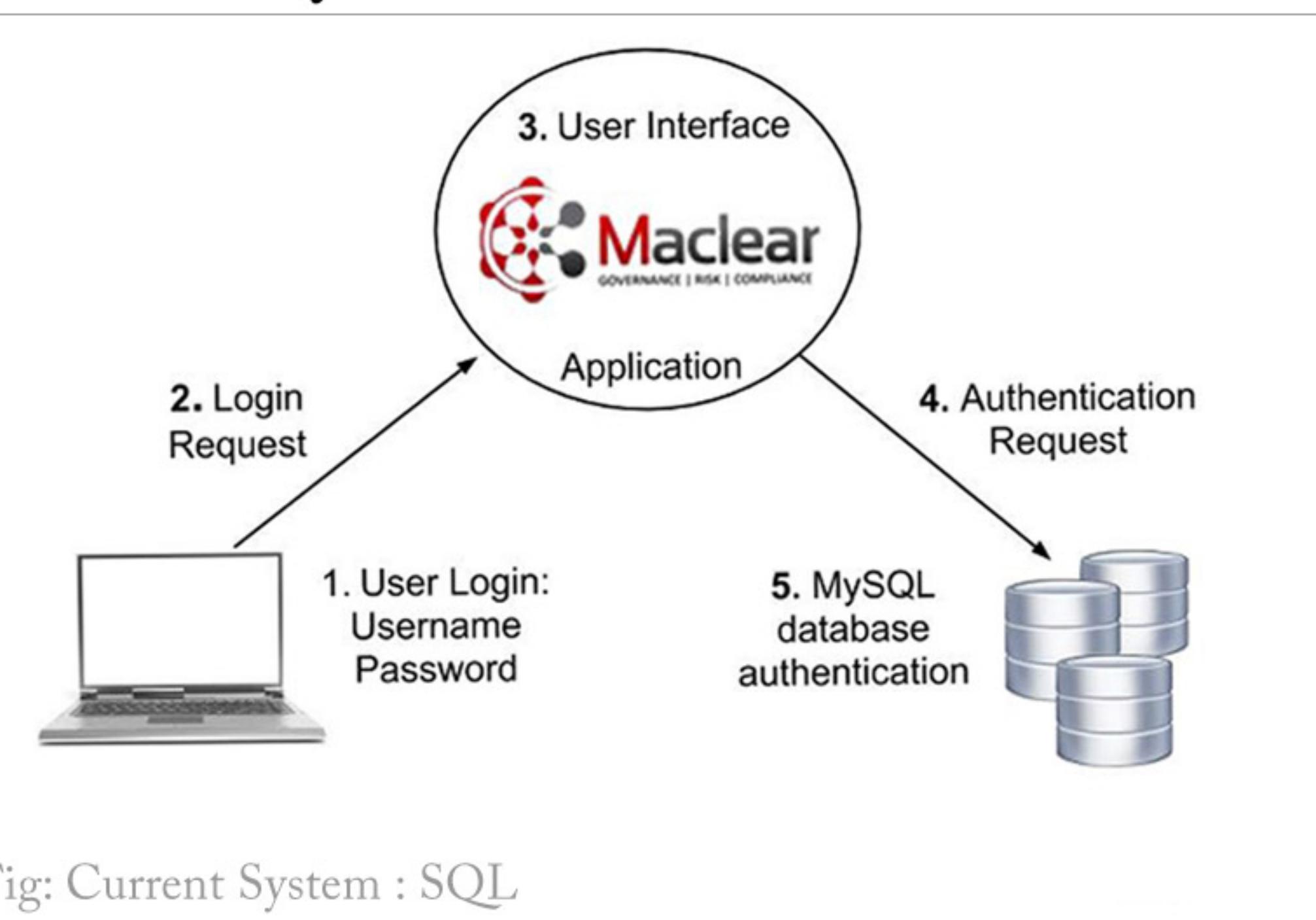


Current System



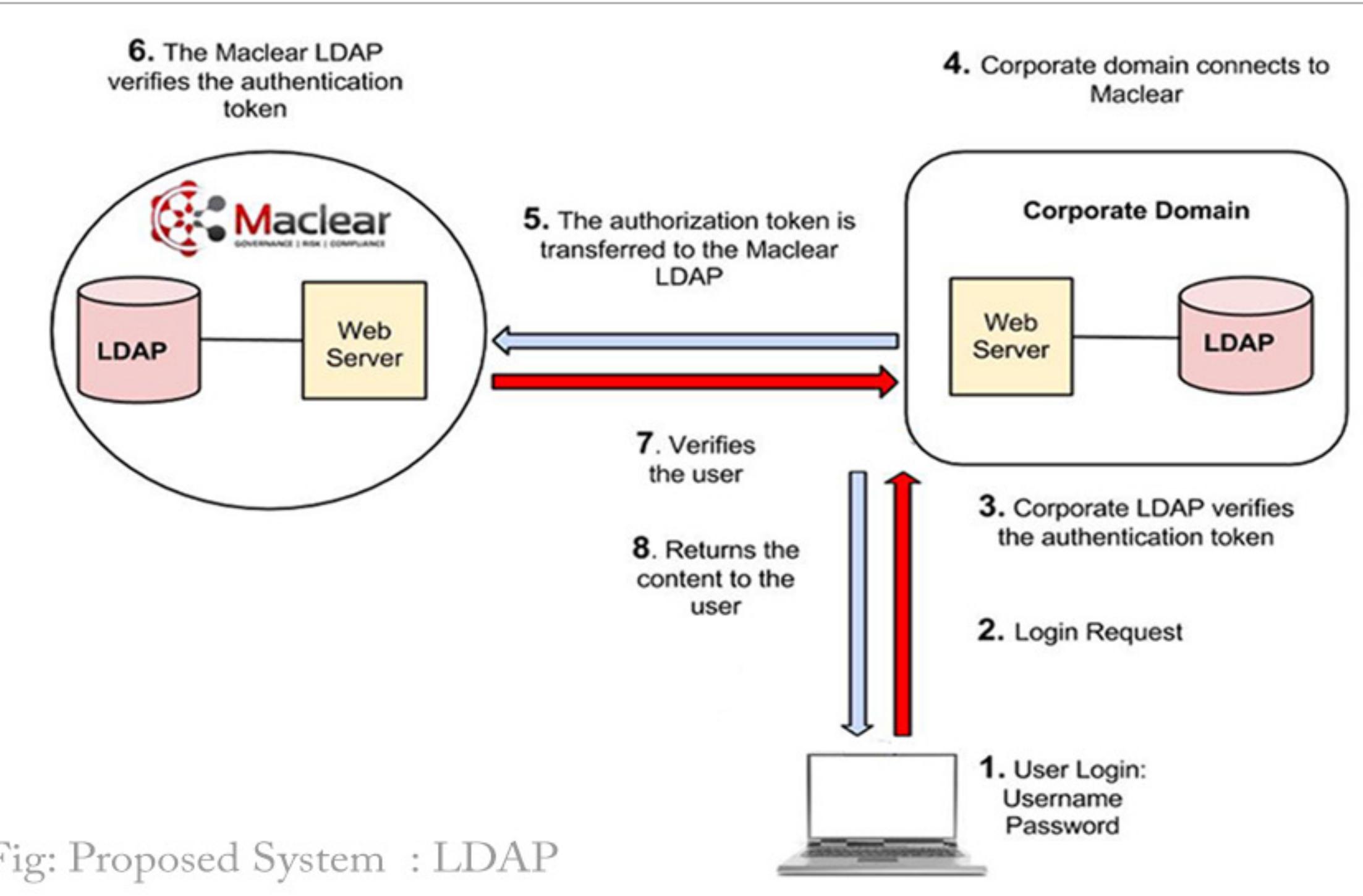
Maclear's enterprise, governance, risk and compliance (eGRC) suite is a centralized software tool providing transparency into enterprise-wide risk to management

Problem

The Maclear eGRC software suite currently supports a SQL based authentication system, which suffers from the following issues:

- ineffective at maintaining user profiles
- failure to support single and multi-factor authentication mechanisms
- security vulnerabilities
- complex maintenance and scalability

Proposed Service Architecture



The implementation of Lightweight Directory Access Protocol (LDAP) provides a hierarchical directory structure used to access information located on a server over an Internet Protocol network

LDAP Benefits:

- single sign-on implementation
- faster read access
- improved security
- simple maintenance
- scalability

Research

- Competitor authentication methods
- Implementation of LDAP and single sign-on

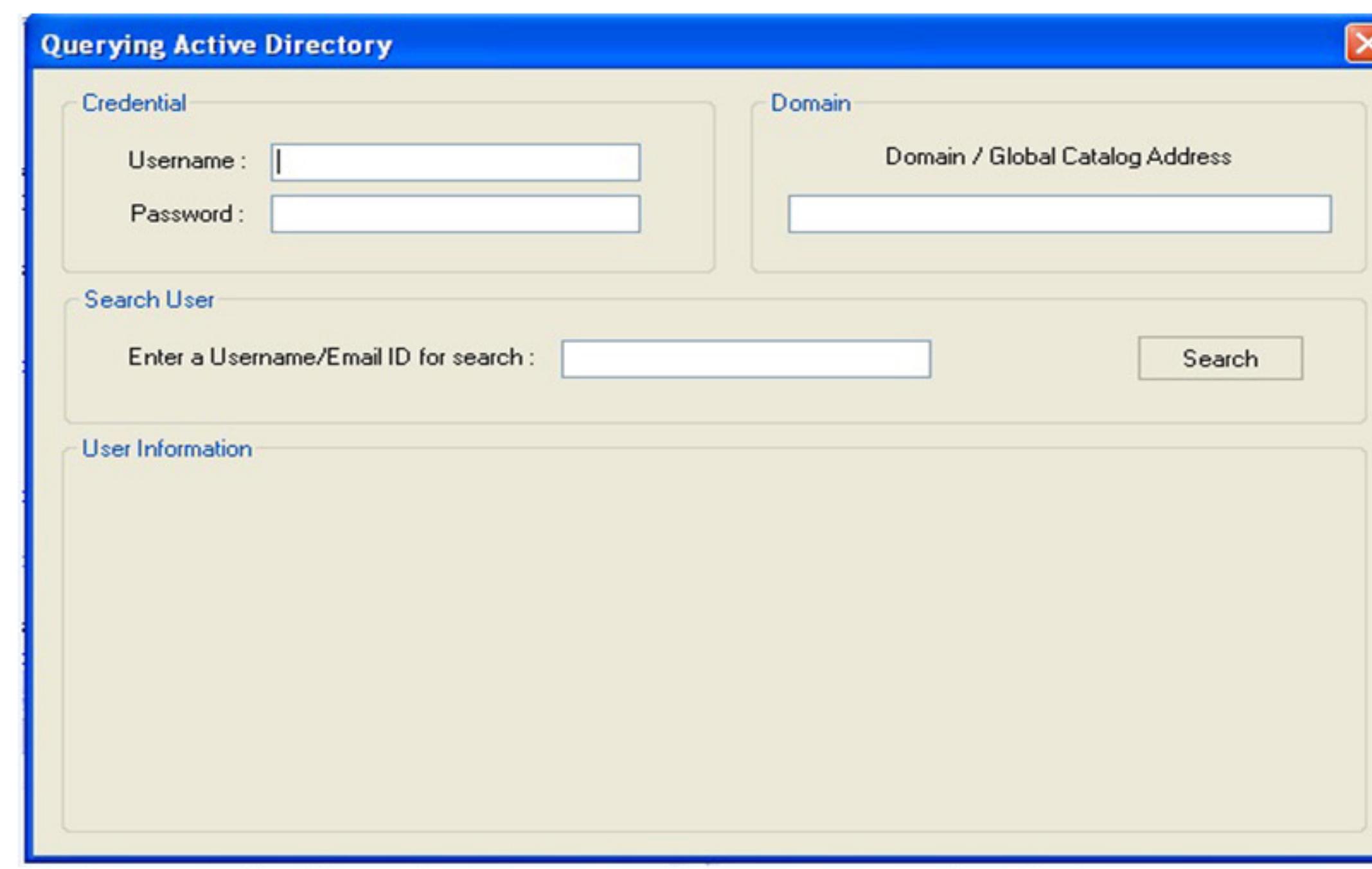
Development

- Agile Methodology
- Pilot Code developed in C# and .Net framework
- Weekly updates and code reviews

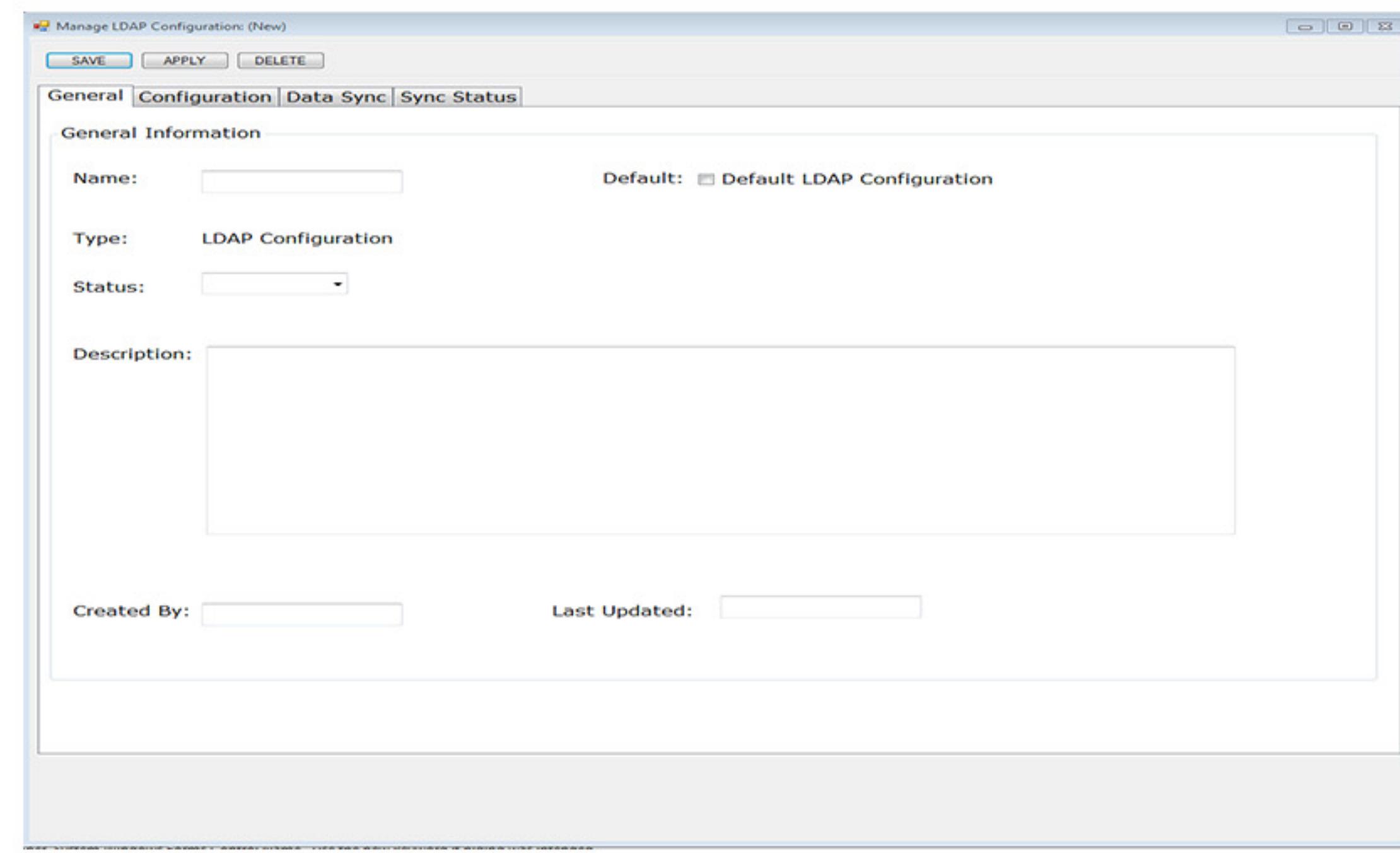
Future Project Roadmap

Develop a fully functional single sign-on module implemented with active directory services within the eGRC software suite

Solution Delivery



Pilot code for the active directory, which locates a user on the server



Administrator user interface of the LDAP configuration

