

Application Architecture

Possible Improvements (1/2)

- Dedicated security layer
 - use web application firewall (WAF) to expose the web application to the internet and prevent common web application attacks (XSS, CSRF, SQL Injections)
- IDP, IAM, RBAC, 2FA
 - consider using dedicated access management infrastructure to address AAA requirements
- Integration layer
 - more granular access control policies that restrict access to specific data and functions based on user roles and privileges
 - improve the scalability of the application architecture by providing a more flexible and scalable infrastructure
 - decoupling the web application from the database and LDAP directory

Application Architecture

Possible Improvements (2/2)

- Containerisation
 - isolate the application from the underlying operating system
- Network segmentation
 - isolate the application and database components from other network segments
- Least privilege
 - restrict access to the resources and functions that are necessary for users to accomplish their tasks