

DEPARTMENT OF ADMINISTRATION

# SABHRS SECURITY ASSESSMENT

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# SABHRS



STATEWIDE ACCOUNTING BUDGETING &  
HUMAN RESOURCES SYSTEM



## PURPOSE & INFORMATION

Accounting of State financial and  
personnel data



## USERS

State employees

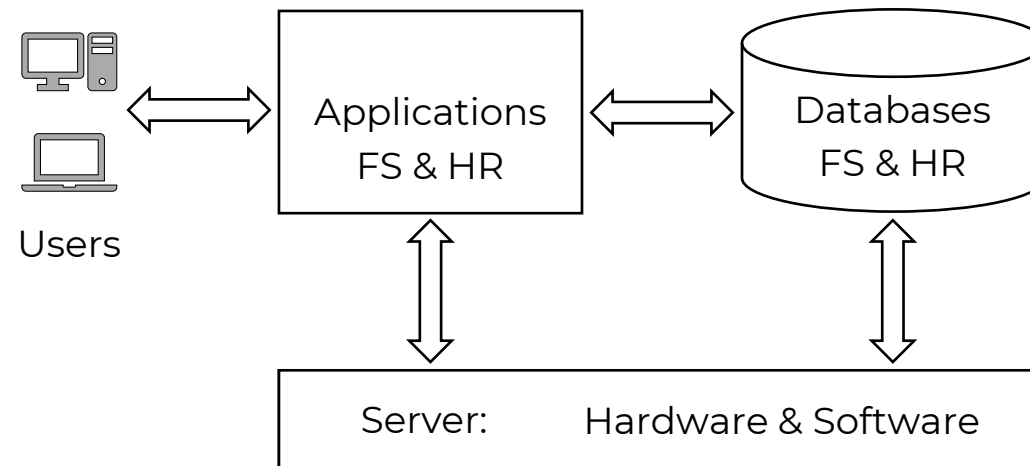


## MANAGEMENT

State Financial Services Division  
State Human Resources Division

# SABHRS STRUCTURE

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SFSD & SHRD manages Apps

SFSD manages databases

SITSD manages server

SFSD configuration

# OBJECTIVES

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1. Determine if the management of SABHRS impacts DOA's ability to meet state information security requirements
2. Determine if Database and System Administrator accounts are appropriately managed and that compensating controls exist to eliminate security risks or potential fraud

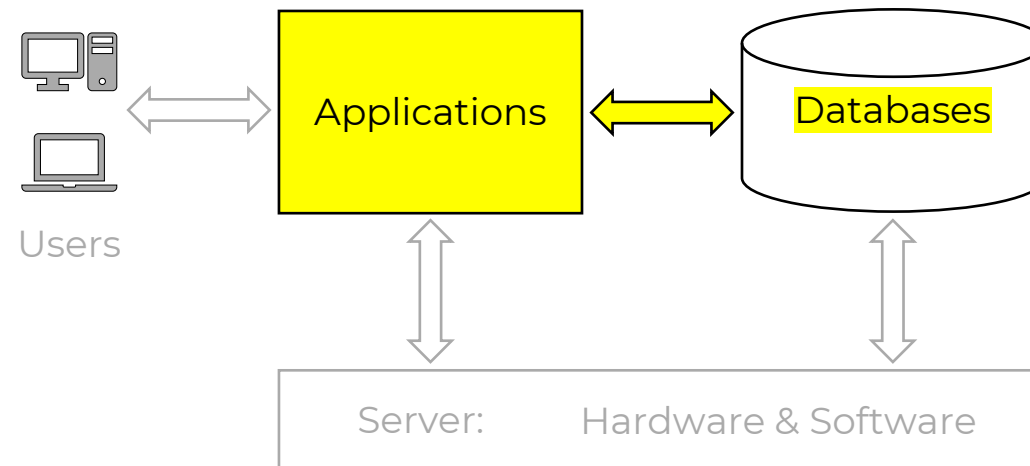
# SCOPE

The Information Technology (IT) management of SABHRS and the IT personnel that support SABHRS

- Human Resource considerations
- Personnel roles & responsibilities
- Controls for personnel accountability
- Monitoring and review

# APPLICATION SECURITY

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SABHRS applications & technical personnel

APPLICATION SECURITY

# ACCESS & CHANGE CONTROL

SABHRS has mature  
access and change  
control



APPLICATION SECURITY

# MANAGED IT FRAMEWORK & HR

The management and staffing of SABHRS support personnel is consistent and structured





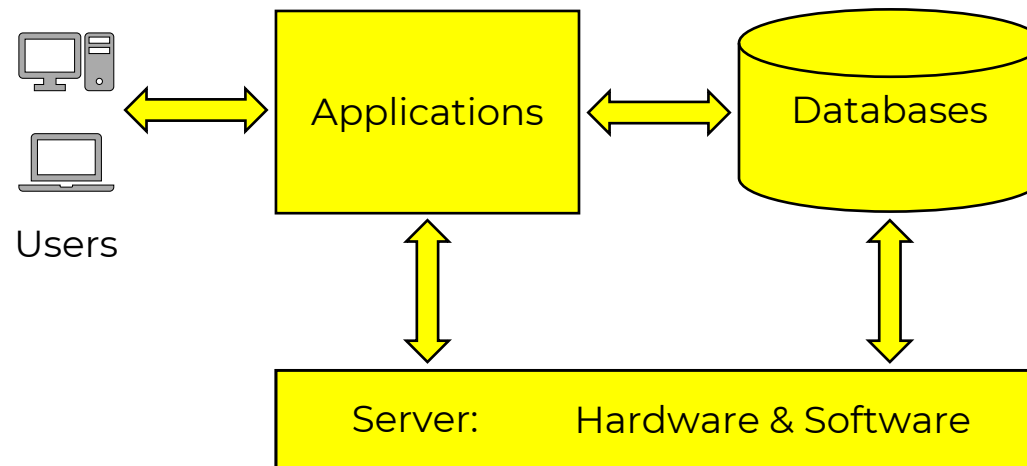
# CONCLUSION

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SABHRS has the necessary control structure to ensure effective application security and the Department of Administration maintains adequate and appropriate staff to enact these controls

# SECURITY MANAGEMENT

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Coordination of activities  
and documentation for  
system security

SECURITY MANAGEMENT

# MANAGED IT FRAMEWORK & HR

DOA does not have  
personnel to ensure  
SABHRS meets State  
information security  
requirements



# RECOMMENDATION #1

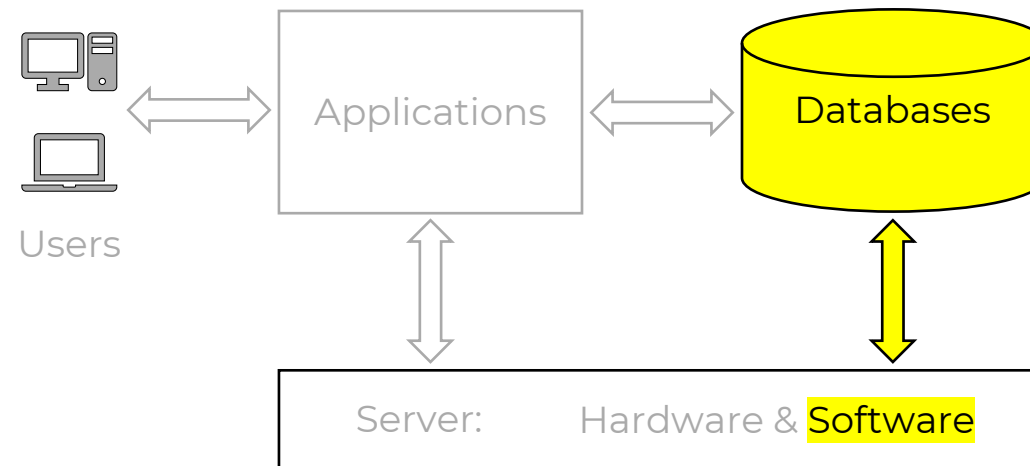
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The Department of Administration needs to formally document and fulfill SABHRS information security responsibilities for both divisions

Department response: **Concur**

# DATABASE MANAGEMENT

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The State's financial and human resource data

DATABASE MANAGEMENT

# MANAGED AUDIT LOGS

Compensating controls  
enforce SABHRS  
administrator  
accountability



DATABASE MANAGEMENT

# AUDIT LOG CONTENT & MONITORING

DOA needs to improve  
SABHRS audit logging  
and active monitoring



2,68	+1,37
2,48	+2,06
20,77	+0,14
0,85	+1,19
5,99	+1,01
47	+0,1

## RECOMMENDATION #2

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We recommend the Department of Administration improve management of the SABHRS audit logs and implement the State's Continuous Monitoring Plan as part of SABHRS system security planning and security program

Department response: **Concur**



# THANK YOU



Any Questions?