

Employee Rating System (ERS)

Galyan's & Butler University
A Joint Project





People Involved



- ◆ Galyan's
 - Paul Wagner, CIO
 - Jeff Brown, Operations Manager-Stores
- ◆ Butler University
 - Panos Linos, Faculty Advisor
 - Mykola Komarevskyy, SE student
 - Wisam Gherfal, SE student

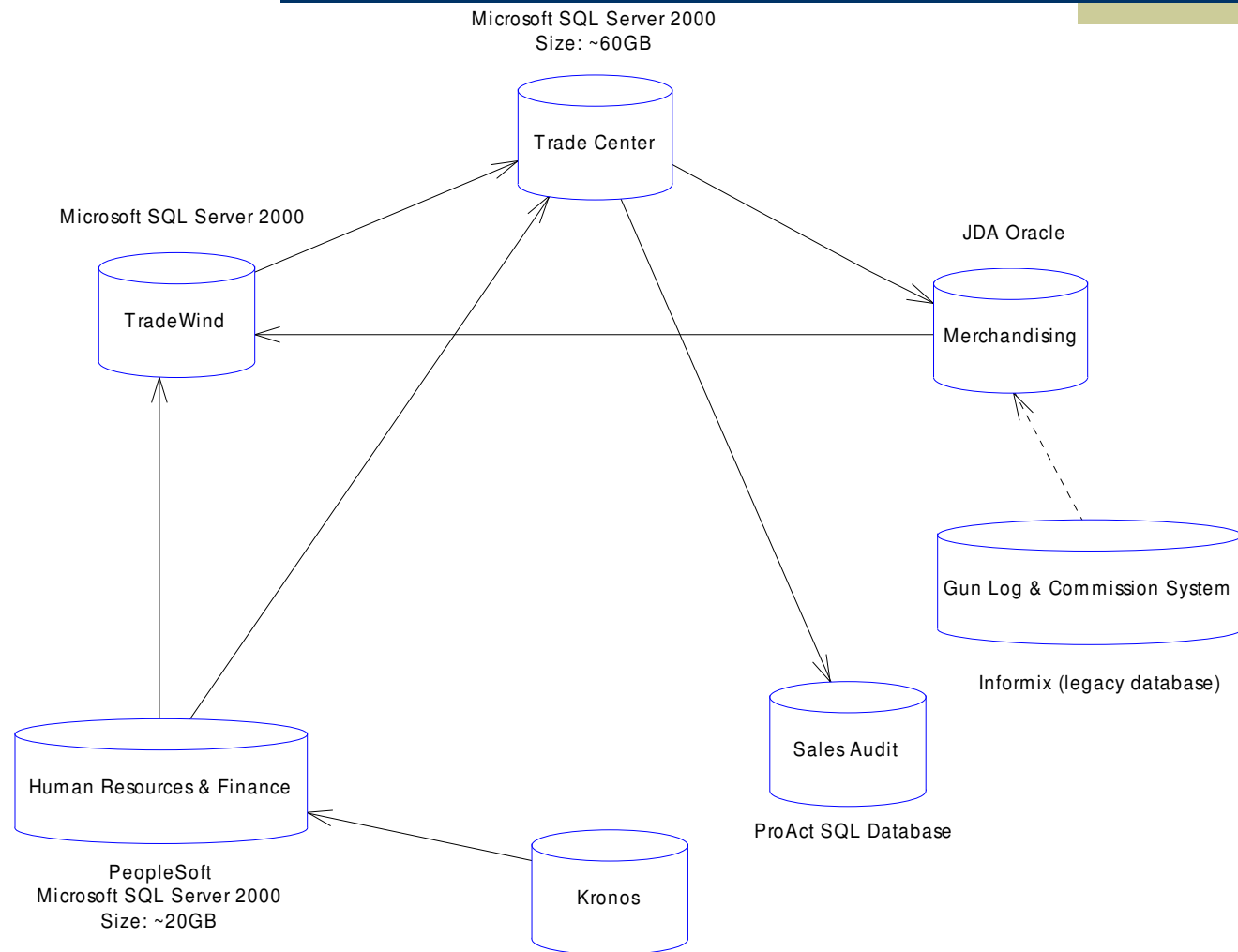


Motivation



- ◆ Improve *efficiency* of staff management
 - Improved system performance
 - Better system usability
- ◆ Improve *effectiveness* of staff management
 - Extended system functionality

Architecture of Existing System





Existing System - Statistics

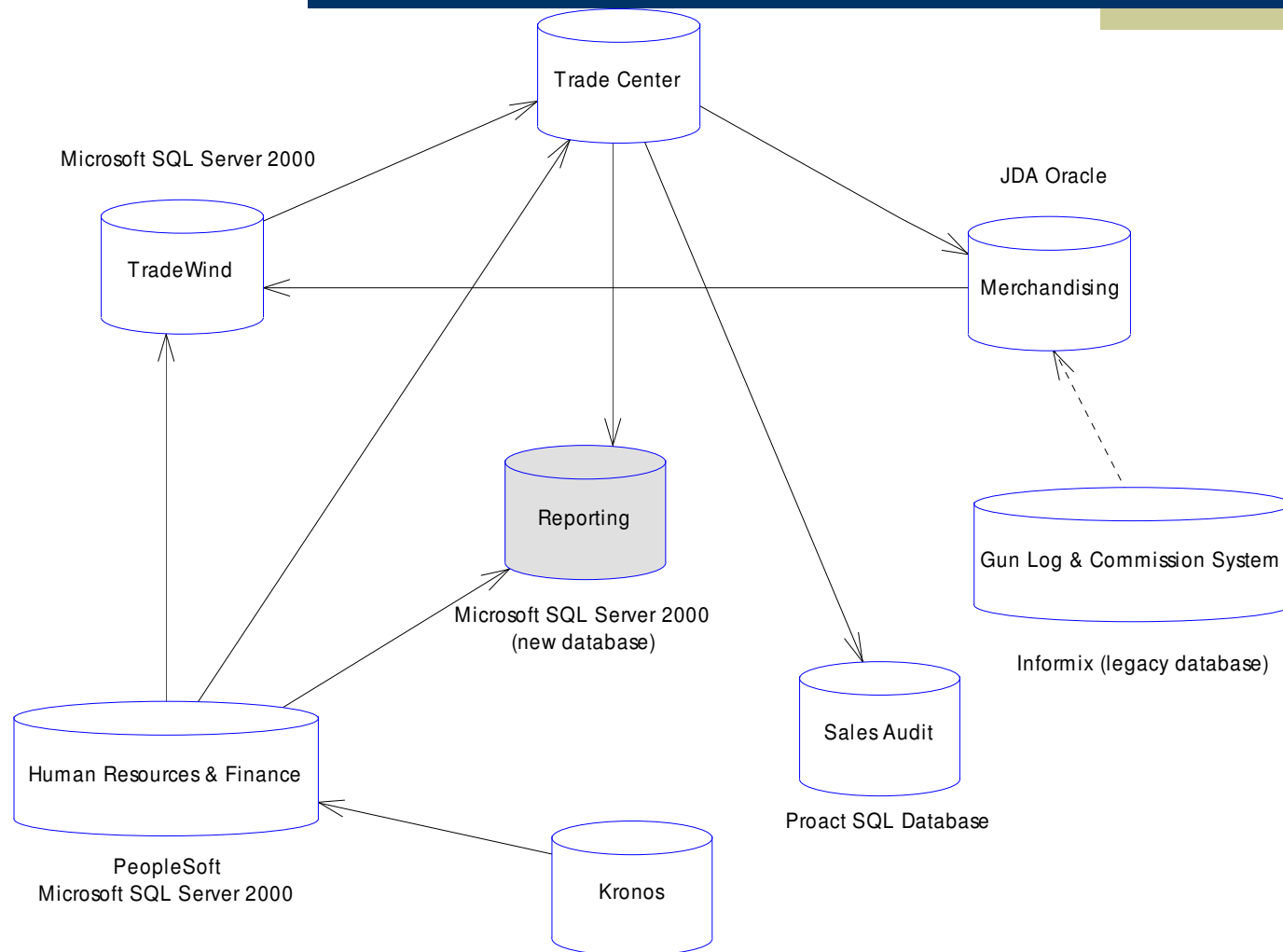
- ◆ 40,000 transactions a day
- ◆ 3 hours to generate a weekly report
- ◆ The language used is Informix 4GL



Proposed System Requirements

- ◆ Consolidate required data for analysis
- ◆ Establish new ranking rules
- ◆ Provide higher performance
 - 1-2 minute response delay
- ◆ Improve usability

Proposed Architecture





Proposed User Interface Requirements

- ◆ Compatible look and feel
- ◆ Improved usability
 - Default store setting
 - Progress indicator
- ◆ Grouping by period
 - Monthly / Quarterly / Annually
- ◆ Grouping by enrollment
 - Full-time / Part-time



User Interface (Proposal I)

◆ Advantages

- A user can view data and change settings concurrently

◆ Disadvantages

- Less part of the report is visible concurrently



User Interface (Proposal II)

◆ Advantages

- A user can view more report data at the same time

◆ Disadvantages

- A user has to switch tabs to change report settings



Hardware / Software Platforms

- ◆ Hardware Platform
 - X86 compatible PC
- ◆ Software Platforms
 - Microsoft Windows 2000
 - Microsoft SQL Server 2000
 - Microsoft Visual Basic 6.0



Status of Development

- ◆ Gathering of requirements
- ◆ Creating requirements specifications (in progress)
- ◆ Existing code is under assessment
- ◆ Database
 - Current databases are assessed
 - Required data is located
 - Tentative design model of new database is developed
- ◆ User Interface
 - Prototype is under development



Conclusion

- ◆ Review of the current system
- ◆ Functional requirements
- ◆ User interface requirements
- ◆ Platform requirements
- ◆ User interface prototypes

Questions?