

Uses of Virtual Directory Technology

Every Directory Question has a Virtual Directory Answer

Application Perspectives

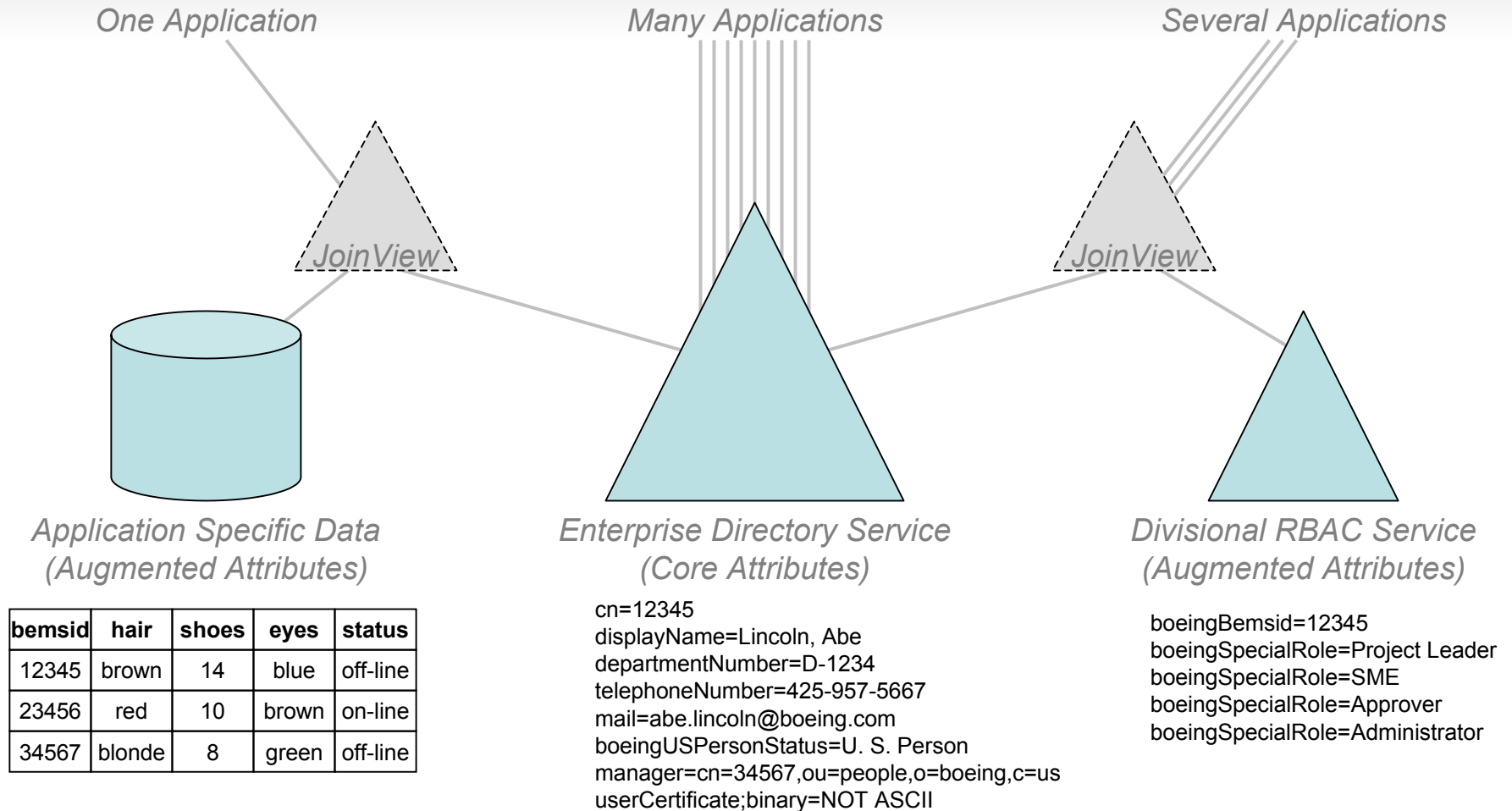
- Augment capabilities of inept clients (dynamic groups, nested groups, referrals)
- Anonymous access to CRLs in non-anonymous directories
- Test accounts in production directory
- Database integration for dynamic data
- Transform custom RBAC schema to simple user objects with multi-valued permissions attribute
- Data partitioning – Joins

Infrastructure Perspectives

- Denial of Service protections
- Operation-level load balancing/failover
- Support for VERY large groups (e.g., employees, salaried employees, retirees)
- Reduce redundant directory data (e.g., user attributes vs. groups?)
- Pass-through authentication to avoid password synchronization
- Read-after-write in highly replicated service
- Data partitioning – Unions
- Strategy for LDAP groups and AD groups
- Resolution of “Ranges” on large Active Directory groups
- Serverless Bind to Active Directory

Uses of Virtual Directory Technology

Data Partitioning - Joins



- Isolates impacts of Application or Divisional problems
- Avoids some data ownership issues
- General purpose directory can focus on generic services
- Can support dynamic data
- Reduces/segments scope of replication
- Reduces risks associated with write access