

Virtual Directory Services

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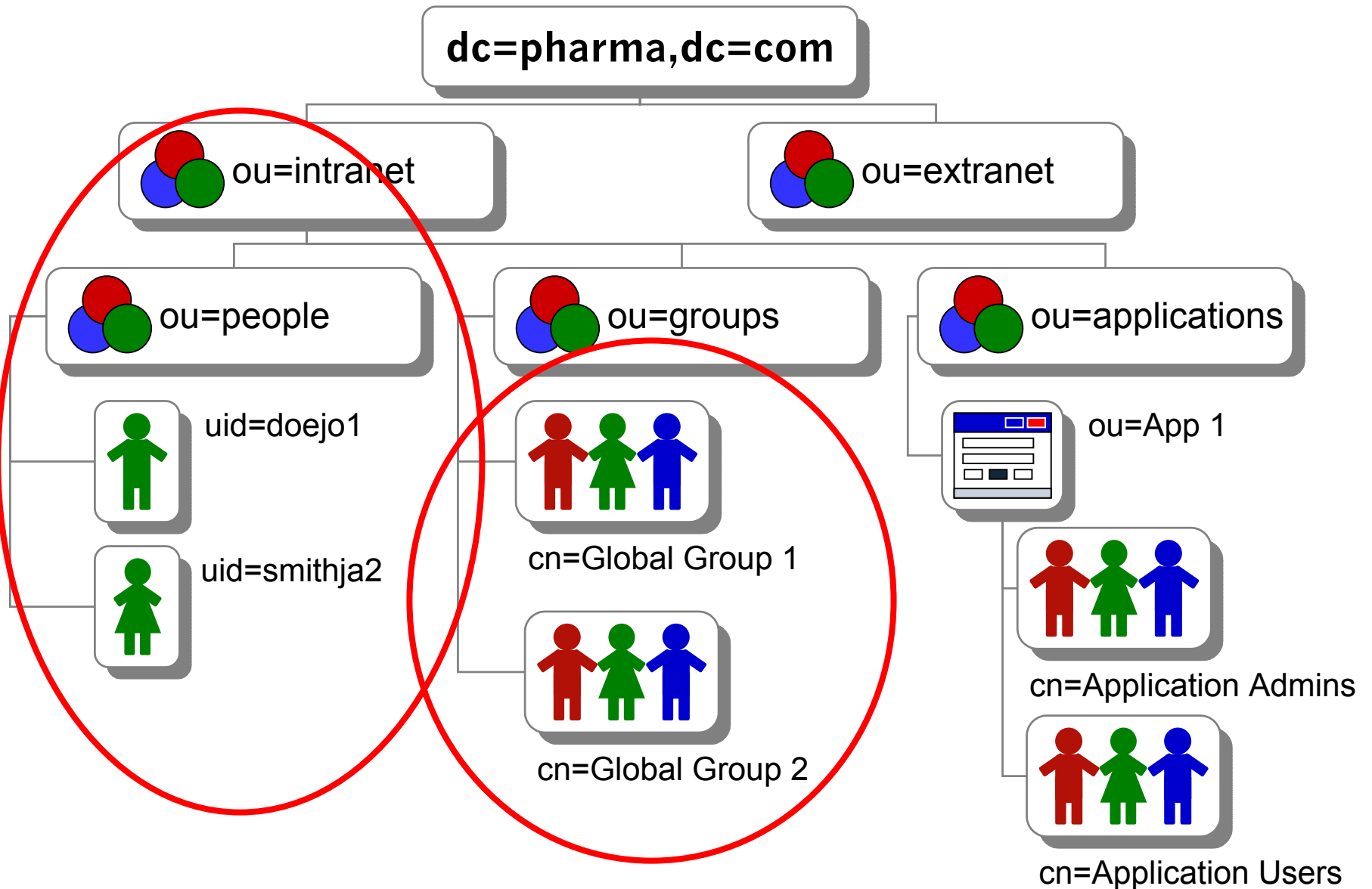
Implementation Case Studies

- Global Pharmaceutical
 - Enabling identity mapping through a virtual directory view
- Global Retail Organization
 - Lightweight multi-target provisioning
 - Pass-through authentication

Global Pharmaceutical


- Two primary directories
 - PKI Directory
 - Directory back-end developed specifically to support the PKI environment
 - Limited flexibility
 - Global Directory
 - Designed for application integration purposes
 - Intended to provide authentication and authorization services
- Long-term migration path
 - Applications could use either Certificate or Credential-based authentication
 - Applications would always use the Global Directory for authorization / profile data
- The challenge:
 - Applications had no way to use certificate subjects against the global directory
 - Significant trust issues with application-space mapping logic
 - Impacts for security auditing and risk mitigation

Global Directory DIT



PKI DIT

dc=pharma,dc=com

 ou=people

 ou=PH

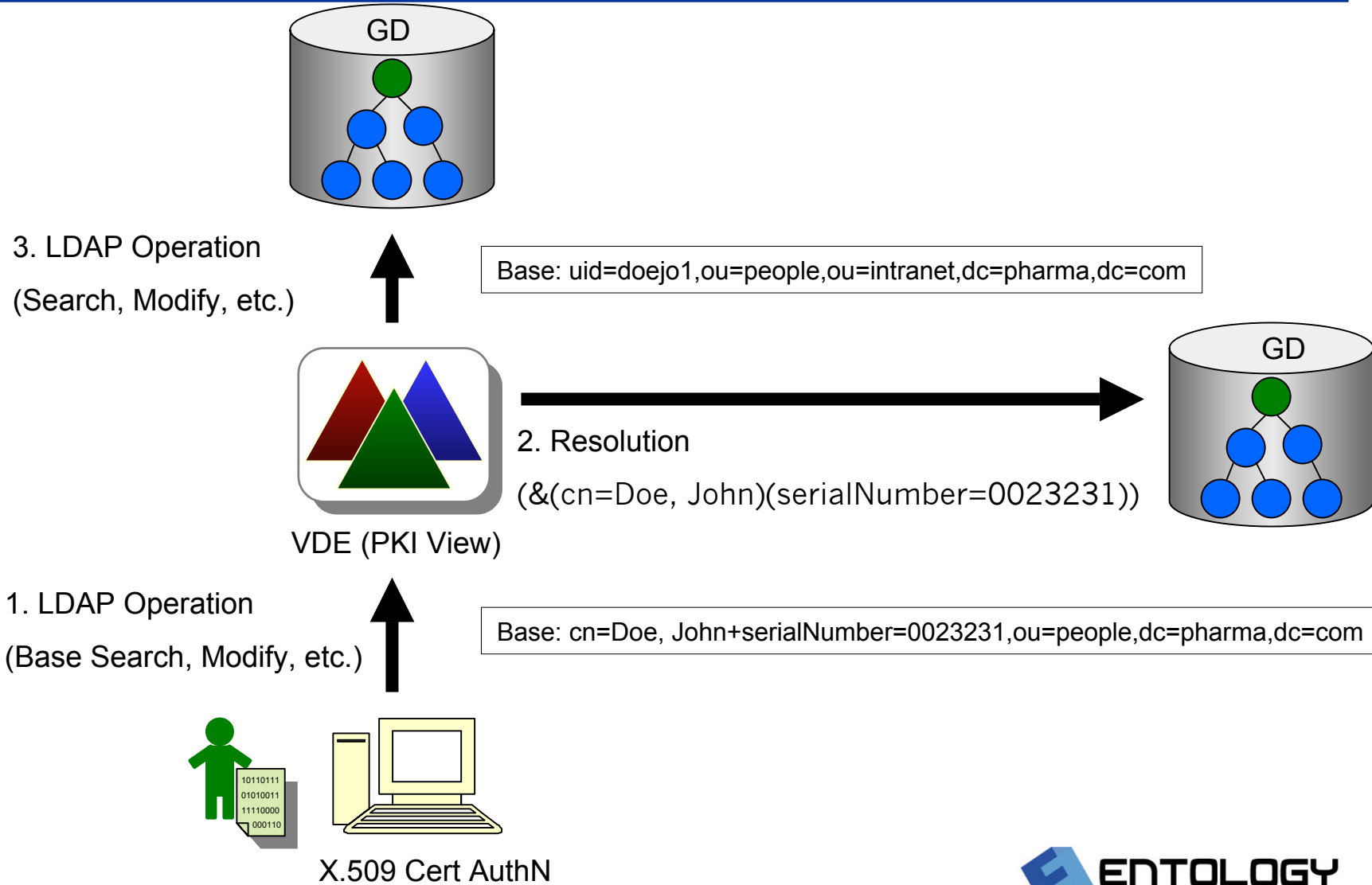
 cn=John Doe+serialNumber=0023231

 cn=Adam Johnson+serialNumber=0885365

 ou=XX

 cn=Jane Smith+serialNumber=1698734

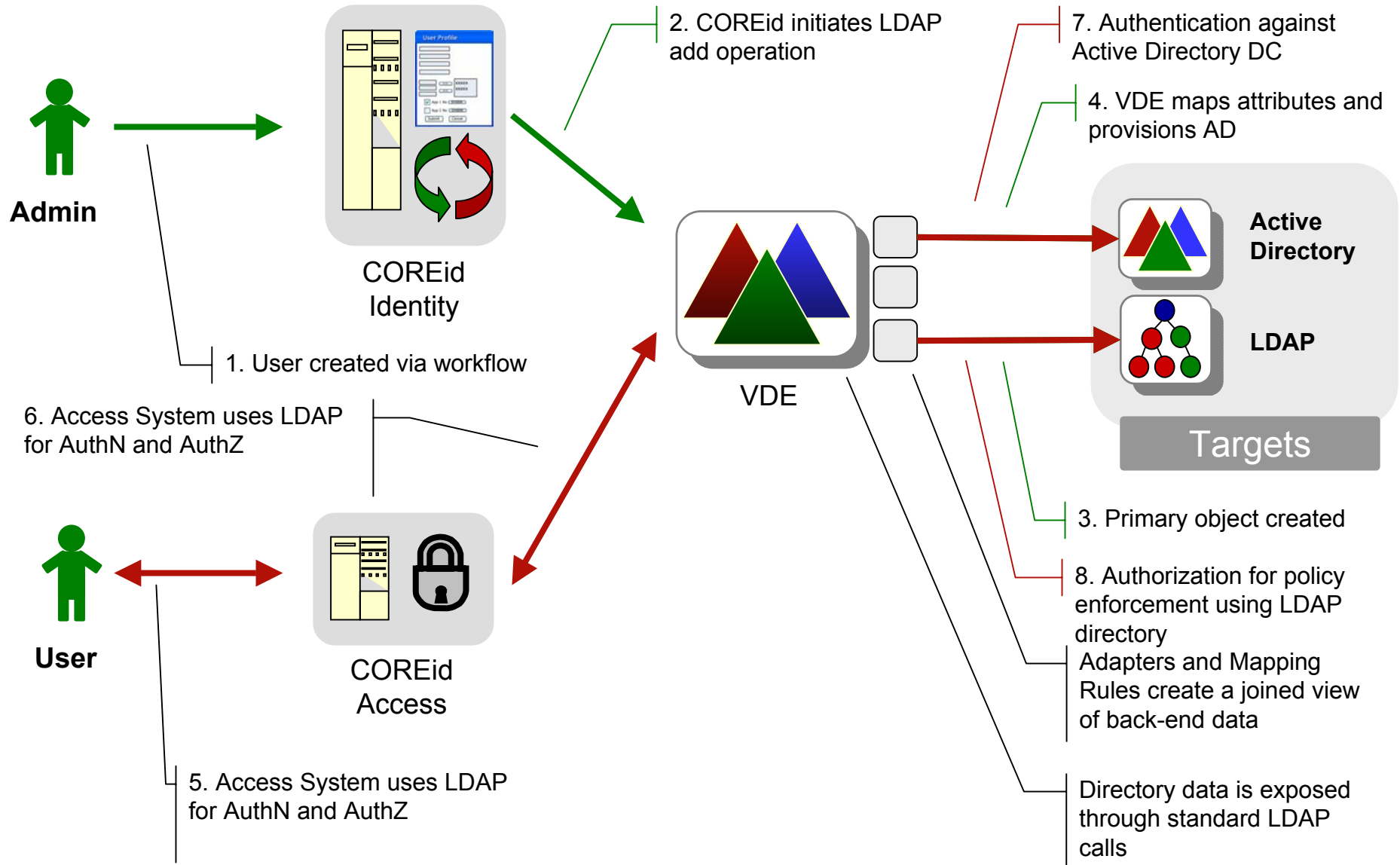
Solution: VDE Architecture (Virtual PKI View)



Global Retail Organization

- Different User-stores, Different Teams
 - Active Directory
 - LDAP environment
- The challenge:
 - Provide a secure solution for workflow and identity provisioning for systems administrators and data security personnel
 - All operations should be propagated across the user repositories
 - Enable long-term use of the system for access management
 - Ensure full auditing and reporting of operations on the system

Solution: COREid and Virtual Directory



VDE Pass-through Authentication

- Authentication service components (Applications and/or COREid) can utilize AD credentials via LDAP or Kerberos

