

Derendinger

Case Study

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Agenda

- Business Requirements
- Nicht-funktionale Anforderungen
- Architektur

Business Requirements

- Divided by stages
 - Roles
 - Segmented according to departmental areas within Derendinger
 - Business Use Cases
 - Prioritization of mission-critical Use Cases
 - Business Rules
 - Focused around delivery processes and inventory management (fast delivery)
 - Business Processes
 - Prioritization of key business strategic areas

Business Use Cases

- Use cases priorities
 - First priority
 - Delivery processes
 - Inventory management
 - Services administration and execution
 - Second priority
 - Monitoring of business processes
 - Client data management
 - General accountancy

Business Rules

- Query Product in Catalog
 - If product not available, check for recent orders to the distributor. If no orders, send alert to Purchase Manager.
- Manage/Update product inventory
 - If number of products of a certain category is below a certain threshold, send an alert to Purchase Manager and Inventory Controller

Business Processes

1. Business Contracts
2. Plan Delivery schedules
3. Purchase order
4. Inventory replenishment (restock) using forecasts and client-initiated purchase orders
5. Inventory replenishment using distributor-managed inventory
6. Inventory replenishment using distributor-managed inventory
7. Processes Monitoring

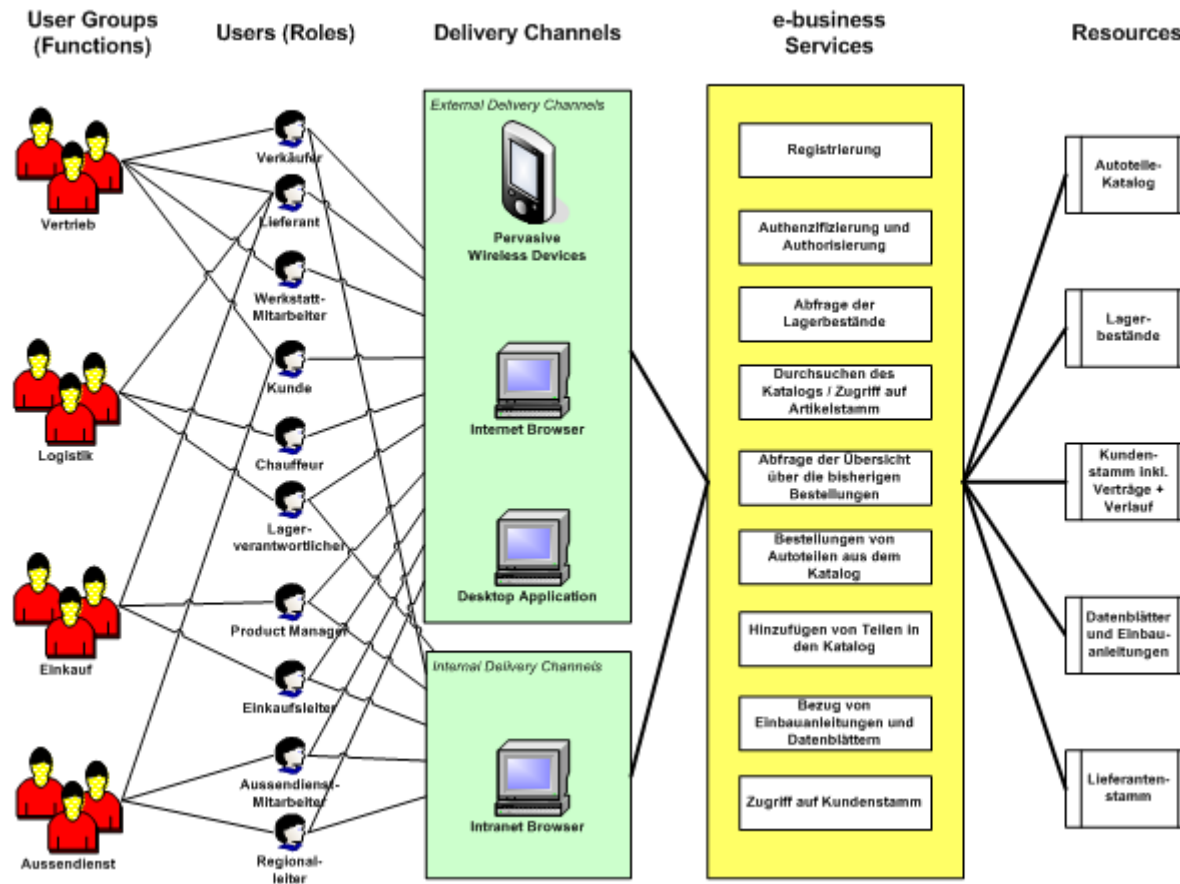
Nicht funktionale Anforderungen(1)

- Infrastruktur
 - Monitoring
 - HP Open View
 - Microsoft System Center Operation Manager
 - Storage
 - Network Attached Storage
 - Backup/Recovery
 - Sun Storage Tek Enterprise Backup Software
 - Datenbanksystem auf sicherer Stelle
 - Regelmäßige Sicherungskopien
 - Netzwerk
 - Simple Network Management Protocol

Nicht funktionale Anforderungen(2)

- Sicherheit
 - User access control
 - Alle Benutzer müssen ID/Password haben
 - VPN zwischen den Filialen
 - Fernanschluss durch VPN und SSH
 - Antivirus und Email Sicherheit
 - Firewall
 - Zugriffskontrollliste von Benutzern
 - Blockieren von verbotenen Datenverkehr
 - Absicherung der Konnektivität zwischen den Filialen
 - Web Applikation Sicherheit
 - Benutzung von Diagnosewerkzeug (monitoring)
 - Anbietung von Vertrauensbeziehung → Zertifizierungsautorität und Digitale Zertifikate
 - Datenbank Sicherheit
 - Verschlüsselung Methoden → SSL oder IPSEC

Architecture Overview Diagram



Fragen?

