

Exchange 2007 Pilot at LANL

Anil Karmel

Technical Staff Member

akarmel@lanl.gov

Outline

- Exchange 2007 Overview
- Existing Infrastructure
- Where Are We Today?
- Project Key Milestones
- Project Deployment Schedule
- Exchange Architecture
- Blackberry Pilot
- Questions

Exchange 2007 Overview

Exchange Pilot

- Five distinct server roles
 - Mailbox: for user mail storage
 - Client Access: provides client connectivity for non-Outlook users
 - Hub Transport: mail routing and policy management
 - Unified Messaging: voicemail integration and inbox/calendar management via telephony interface
 - Edge: Anti-virus/spam protection and policy management
- 64-bit only platform
 - New requirement with Exchange 2007

Exchange 2007 Overview

Exchange Pilot

- Exchange Features
 - Outlook 2007 Client
 - Integrated email and calendaring suite
 - LANL Global Address List
 - Outlook Web Access
 - Full featured web client
 - Native integration with Microsoft SharePoint and Project
- Things to Note
 - 1GB Mailbox limit
 - 5000 item limit per folder
 - Message recall

Existing Infrastructure Exchange Pilot

- Mail Server Infrastructure
 - Cyrus Mail (IMAP)
 - Clients consist of:
 - Eudora
 - Lotus Notes
 - Mozilla Thunderbird
 - Microsoft Outlook
 - Apple Mail
 - Others...
 - Serves majority of laboratory
- Calendar Infrastructure
 - Meeting Maker
 - Calendar system of record

Where Are We Today?

Exchange Pilot

- Alpha, Beta & Production Exchange 2007 Infrastructure implemented
- Tool Evaluation Complete
 - Backups: Tivoli Storage Manager for Exchange
 - Monitoring: Microsoft System Center Operations Manager 2007
 - Antivirus: Sunbelt Messaging Ninja
- Outlook 2007 client required for connectivity to Exchange
 - Required rollout of Office 2007 Professional client to IS&T users
 - Conducting Beta testing of Microsoft Entourage 2008 for Macs
 - Conducting Beta testing of Evolution w/ Brutus Plug-in for Linux

Project Key Milestones

Exchange Pilot

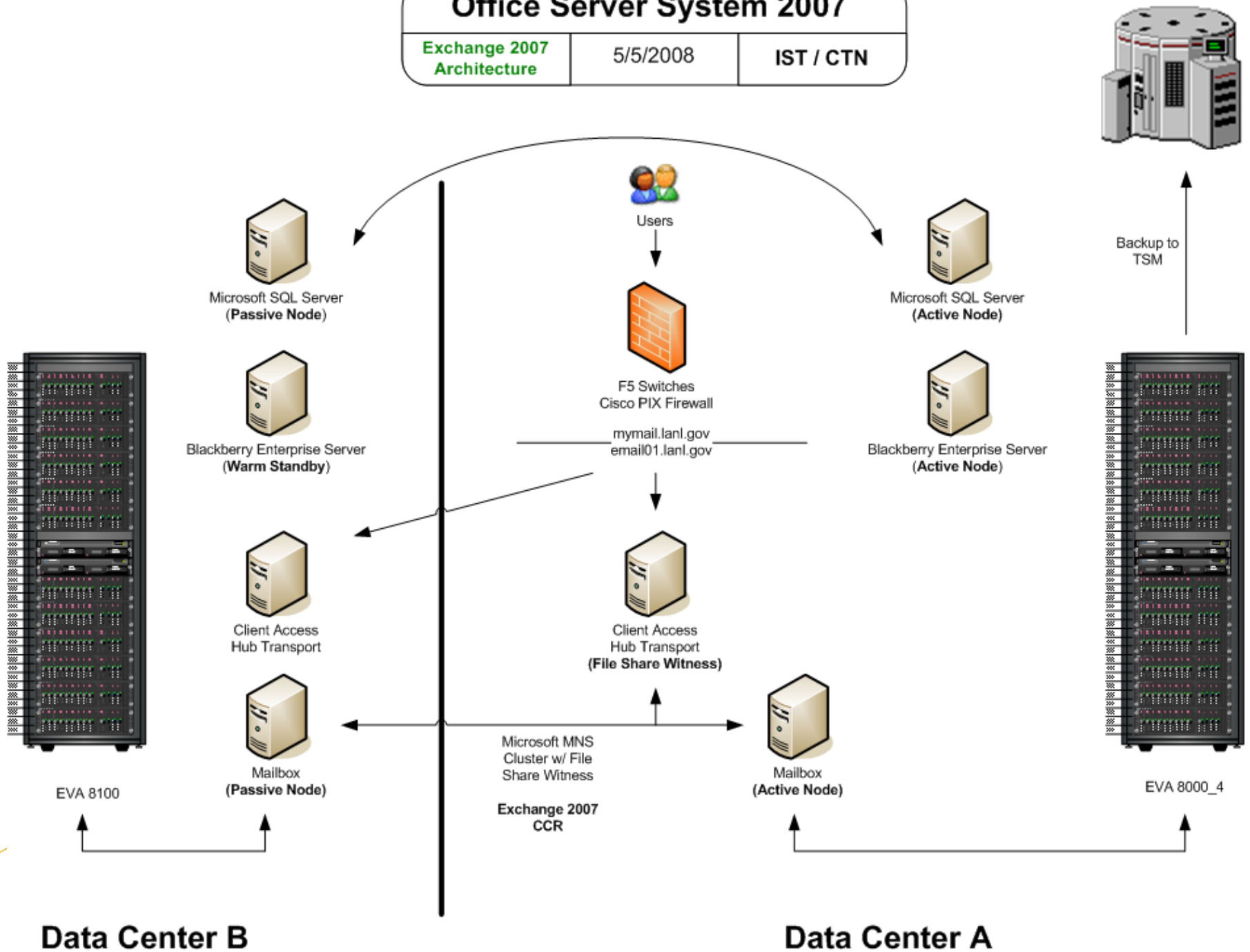
- Stand up CTN Exchange 2007 HT/CA servers
 - 10/1/07 – 11/1/07
- Stand up IS&T Exchange 2007 Mailbox servers
 - 11/1/07 – 11/15/07
- Functionality & Load Testing
 - 11/15/07 – 1/15/08
- Rollout Office 2007 to IS&T Users
 - 10/31/07 – 11/15/07
- Rollout Exchange 2007 to IS&T Users
 - 1/15/08 – 4/15/08

Office Server System 2007

Exchange 2007
Architecture

5/5/2008

IST / CTN



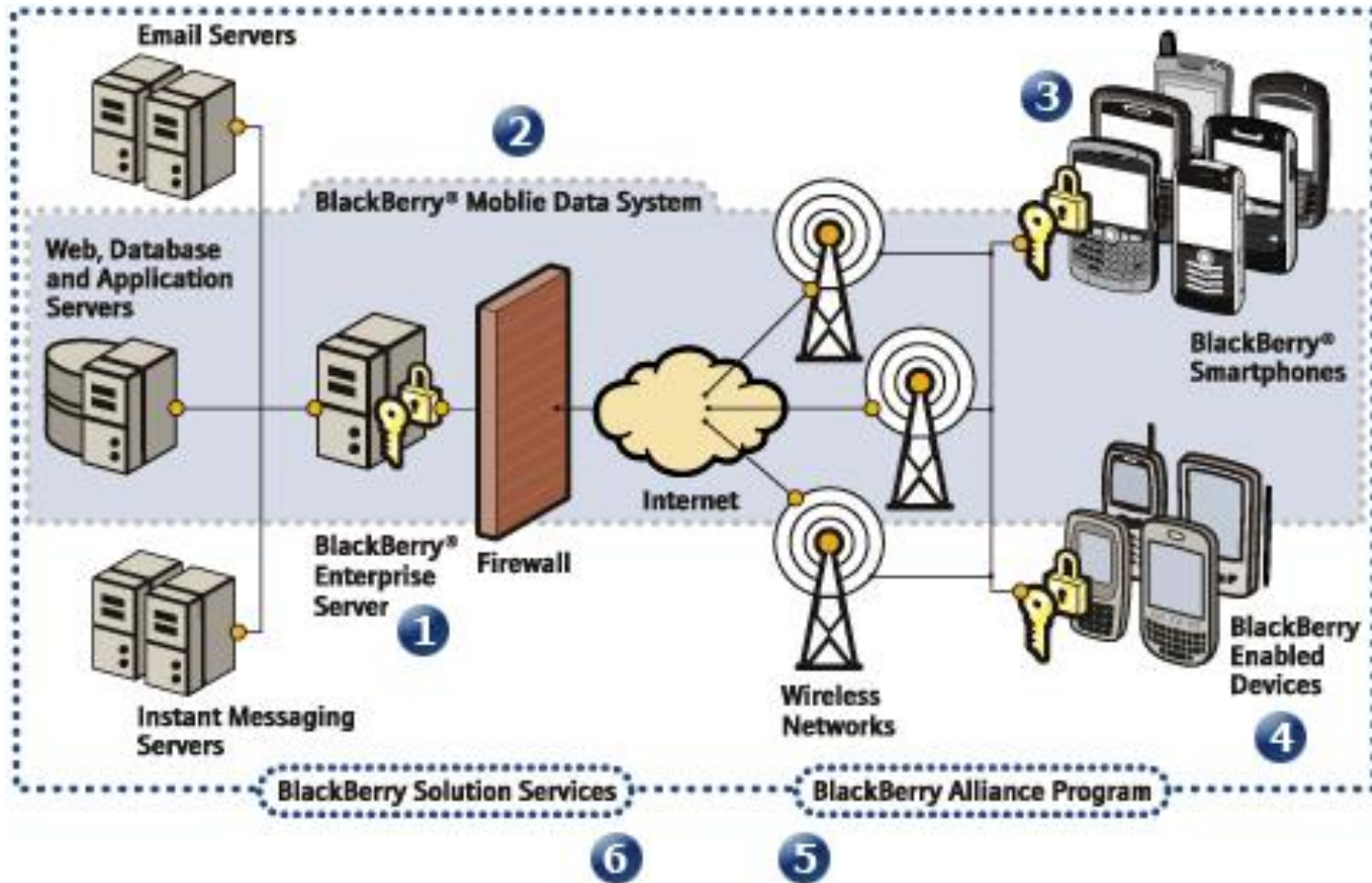
Key Features

Blackberry Pilot

- Secure access to Email & Corporate Data via Blackberry Enterprise Server 4.1 SP5
- Security
 - End-to-End Triple DES encryption (FIPS 140-2 compliant)
 - Over-the-air wireless IT policy enforcement
 - Secured with DISA/DoD Secure Technical Implementation Guide
- Devices
 - Blackberry 8830 World Edition (Verizon Wireless)

Blackberry Architecture

Blackberry Pilot



Project Key Milestones

Blackberry Pilot

- Identify & Migrate Technical Pilot Users to Exchange 2007
 - 4/15/08 - 5/15/08
- Implement & Test BETA Blackberry Enterprise Server
 - 5/1/08 - 6/1/08
- Identify & Migrate Customer Pilot Users to Exchange 2007
 - 5/15/08 – 7/15/08
- Implement & Test PROD Blackberry Enterprise Server
 - 6/2/08 - 7/31/08

Q/A

Exchange Pilot

- Questions?