

California Department of Insurance Paperless Workflow Project Bidder's Library

Hummingbird DM System Information

The infrastructure required to support the LP within the CDI environment includes Personal Computers (PCs), web servers, application servers, database servers, local area networks (LANs), and a wide area network (WAN). Figure 1 below depicts the existing LP production environment. The production environment encompasses three main sites: 1) Sacramento office at 300 Capitol Mall, 2) San Francisco office at 45 Fremont Street, and 3) Los Angeles office at 300 South Spring Street.

DM5 Enterprise / LP
PlatformConfiguration
DM - 3 Tier / Failover

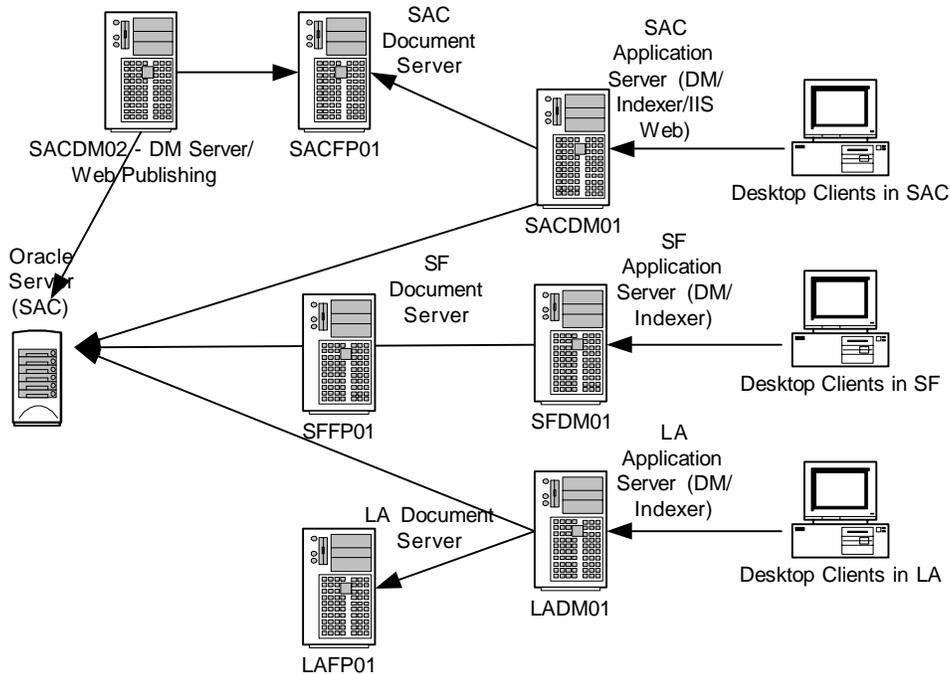


Figure 1: The CDI Existing Technical Environment

Wide Area Network (WAN)

The CDI WAN interconnects the three main offices: Sacramento, San Francisco, and Los Angeles. The WAN utilizes the California State Government Network (CSGnet), which was built and is operated by the Stephen P. Teale Data Center (Teale). The Sacramento CDI site is connected to CSGnet with a DS3 line (up to 45 Mbps). The CDI's sites in San Francisco and Los Angeles connect to Teale through the Sacramento site. San Francisco connects to the Sacramento site over two (2) T1 lines. Los Angeles connects to the Sacramento site over three (3) T1 lines. San Francisco connects with the Los Angeles site over two (2) T1 lines. In addition, the CDI's remote offices are connected to one of the major office sites over a T1 line.

The CDI uses the Cisco Virtual Private Network (VPN) 3000 concentrator appliance to provide secure network access to remote users using the CDI equipment.

The CDI has installed the Cisco PIX appliance technology as its firewall.

Figure 4 depicts CDI's communication network between their three main offices, their remote sites and Teale.

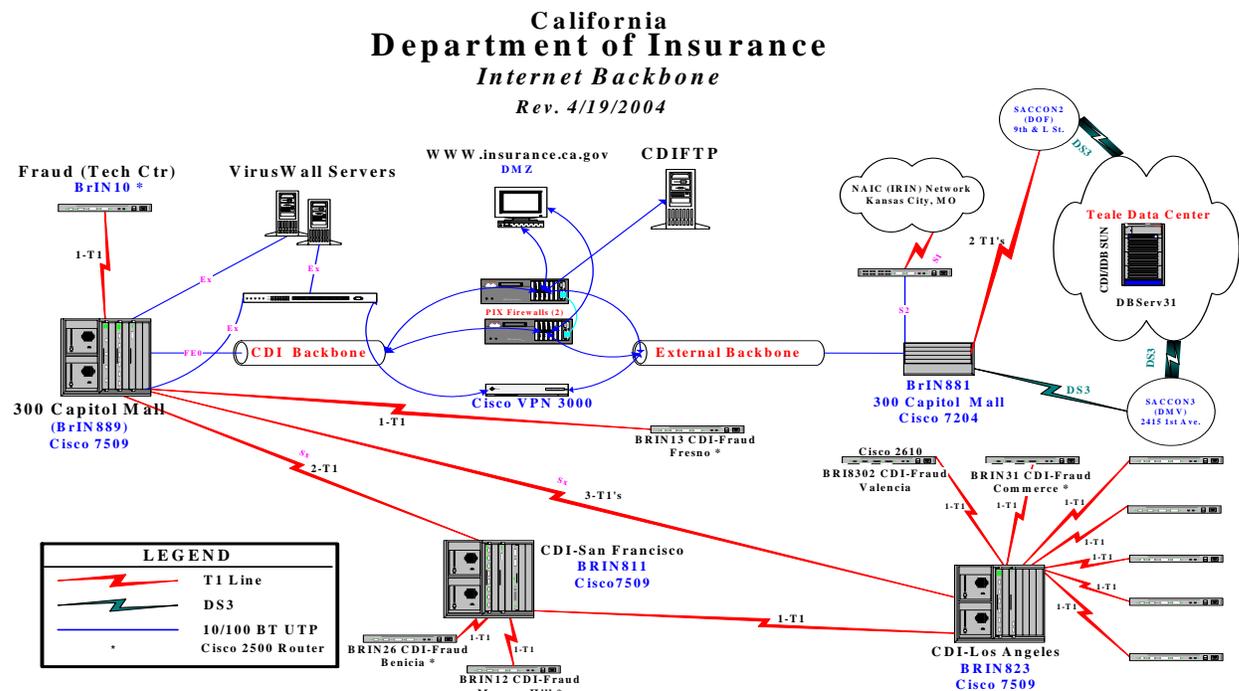


Figure 2: The CDI WAN

Servers

There are a number of servers connected to the LAN in each CDI location. These servers support general data processing functions, such as file and print services, and support specific applications such as Exchange, Microsoft SQL Server, DM5, and LP.

The CDI has 90 network servers installed throughout 14 office sites. The current network servers are a minimum XEON or Pentium IV. Network servers are currently running Microsoft Windows 2000 Advanced Server as its Network Operating System (NOS).

The CDI leases a SunFire V880 with eight processors to support the CDI's development, test, and production database environment. The enterprise database server is housed at the Teale. The database servers are running Oracle 8.1.7.3.

The CDI's Internet/intranet sites are supported on Sun servers running the Solaris operating system. Internet servers in support of the CDI's public Internet site are running Apache Web Server (UNIX). The CDI's Oracle Internet Application Server also runs Apache Web Server (UNIX). Microsoft Internet Information Server (IIS) runs on Internet servers, in support of the CDI's intranet, and on the web development servers. The CDI uses the Microsoft FTP protocol on a Windows 2000 server with IIS enabled. Standby units are installed for the CDI's firewall and MExchange, ready to take control should the active unit fail to perform its functionality.

The CDI currently has seven application servers that support the CDI's Internet/intranet based applications. Several of these servers also support the CDI's development staff. All seven application servers are Sun entry-level servers. The seven application servers run Sun Solaris operating system version 2.8, as well as Oracle's 9iAS Middle Tier software version 1.0.2.2.2. Oracle 9iAS also makes use of Apache's Web Server software version 1.3.19.

Workstations

The CDI's network consists of approximately 1,400 desktop and 400 notebook PCs. The CDI has chosen Microsoft Windows 2000 Professional as the standard operating system for PC and notebook workstations. Notebooks that connect to the CDI's internal network are configured with VPN Dialer to provide a secure encrypted data connection.

The CDI's network consists of 265-networked printers.

Personal Productivity Software

All CDI PC workstations and notebooks include a standard set of personal productivity software including:

- Microsoft Office Professional XP Suite, which includes Word, Excel, PowerPoint, and Access.
- Microsoft Outlook 2002 for email and calendaring functions.
- Adobe Acrobat Reader.
- Microsoft Explorer.

Internet/Infrastructure Software

The CDI uses TrendMicro Office Suite anti-virus software, which includes OfficeScan for the desktop, ServerProtect for servers, ScanMail for MS Exchange environment, and VirusWall for Internet protection. The CDI uses CommVault Galaxy enterprise-wide backup software. The CDI has deployed a Sniffer Distributed appliance to analyze and troubleshoot the network and Track-It! to assist with Helpdesk support. The CDI has established the use of ICVERIFY software to perform e-commerce transactions.

Database Management Software

The primary database management system in use at the CDI is Oracle. The CDI currently has version 8.1.7.3 of the database software in use.

Application Development Software

LP is considered a COTS product, that required customization. The CDI's application development tools include Oracle Internet Development Suite of applications including: Oracle Forms, Reports, Designer, and Developer. The CDI Internet application development tools include JavaScript, HTML, VB Script, Macromedia Dreamweaver MX, and FrontPage. NetTracker is used to track Internet statistics, and LinkScan is used for web-site analysis. The CDI's Middle Ware tools include Oracle Internet Application Server, Discoverer, J2EE, and Developer.

Existing Interfaces to Other Systems

LP only interfaces with DM5.