

## Overview

### Key Benefits

Setting the standard for security, deployability and manageability, the InterScan/Immunix Secured Solution for hp ProLiant Server is a QuickStart CD that transforms a ProLiant DL server into an appliance-like solutions server. The solution delivers:

- Real-time gateway virus detection and clean-up for all SMTP, HTTP, and FTP Internet traffic
- Blocks malicious mobile code (Java and ActiveX) at the gateway
- 100% compatible with FireWall-1 and most major firewalls
- Immunix Secure Server Manager protects the user from the complexity of Linux and common first time mistakes that can leave any application exposed to attack. Anyone who can drive a browser can install and manage a Secured Solution for hp ProLiant Server
- Immunix protects the Linux operating system from both known and unknown vulnerabilities.
  - Operating system and selected programs are protected from common buffer overflow, printf, and race condition file vulnerabilities. When an immunized program senses a known or more importantly an unknown threat it instantly deploys to stop the attack.
  - Immunix sub-domain architecture restricts the ports, processes and IP addresses a profiled application may access. Even if an application is attacked and compromised Immunix prevents the program from being used to gain access to other programs or other areas of the system, server, or network

### Models

#### InterScan/Immunix Secured Solution for hp ProLiant Server

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### At A Glance

The InterScan/Immunix Secured Solution for hp ProLiant Server is a complete gateway antivirus solution in a QuickStart CD format. When placed in the CD tray of a ProLiant DL series server, the CD installs the Immunix secured Linux operating system, Secure Server Manager user interface, and Trend Micro's InterScan VirusWall.

### Description

This solution is an innovative approach to delivering easy to install and manage application specific solutions. It is based on the combination of an hp ProLiant DL series servers, Immunix security technology and market leading application. The Immunix secured Linux operating system and application are shipped on CD ready to be installed on the ProLiant servers. Since the hardware, operating system and application are designed to work together, the contents of the CD simply installs onto the ProLiant eliminating the need for any Linux installation configuration.

WireX Immunix is what makes the solution secure. It protects the Linux operating system from common class vulnerabilities and delivers sub-domain protection from attacks that may leverage vulnerabilities to gain access to the operating system or other services and servers. The web-based Secure Server Manager facilitates the installation of the operating system and InterScan VirusWall in a single easy step. Secure Server Manager web interface shields users from all Linux commands. All installation and management functions are performed from a browser in a secure SSL session.

Trend Micro's InterScan VirusWall detects and removes viruses from inbound and outbound SMTP, FTP, and HTTP traffic in real time. Offering automatic, scheduled, or one-button virus pattern file and scan engine updates through centralized management, InterScan VirusWall allows administrators to have full control of every aspect of virus protection, anytime, anywhere. InterScan VirusWall is compatible with Check Point, Cisco, and other popular firewalls as well as best-of-breed security products

### Open source Linux operating system

Provides the IP throughput, and licensing and configuration flexibility required for an easy installation and configuration

### QuickStart Installation CD

ProLiant server is quickly, easily and automatically transformed from a server to anti-virus gateway solution in under ten minutes. No knowledge of Linux is required.

### Overview

#### Immunix Secure Server Manager (web-based Linux systems manager)

Allows the Solutions Server to be securely and remotely managed from a browser. The systems administrator does not need to know any Linux commands.

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#### InterScan VirusWall

- Detects and removes viruses in real time from smtp, ftp, and http traffic at the gateway
  - Pre-installed and pre-configured on the QuickStart CD
  - End user license is based on the number of seats protected. Contact your authorized Trend Micro reseller for details
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#### Immunix security for Linux

- Sub-domain architecture - restricts vulnerabilities and prevents them from being used to gain access to other service, ports, applications, or servers
  - Buffer overflow protection - Immunix compiled programs are protected from this common vulnerability that is created when data strings that are longer than anticipated are written to memory and executed by the server
  - Print format vulnerability protection - stops vulnerabilities in the C language print format statement that allows executable arguments to be inserted by the user and executed by the application
  - Race condition file vulnerability protection - stops the substitution of executable commands in temporary files that if executed could open the server to penetration
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### *Ideal Environment*

#### Enterprise Customers

##### Problems and requirements

- Need market leading application that offers single step virus and content screening
- Lack the processing power required for real time scanning of all traffic
- Lack staff time to insure the latest OS patches are applied
- Demands an operating system that can run 24x7 without monitoring or supervision
- Must be supported under existing service contracts

##### Solving the problem

- Trend Micro InterScan VirusWall delivers the market leading gateway solution
  - ProLiant DL580 dual or quad Xeon processors provides power and throughput to meet the most demanding environments
  - Immunix protects against known and unknown vulnerabilities dramatically reducing the need for the application of system patches.
  - Linux is a proven workhorse operating system than runs for months or years without re-booting or hands on management
  - ProLiant onsite support is available 24x7 virtually anywhere in the world
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#### Small Medium Business and Enterprises

##### Problems and requirements

- Must be easy to install and manage, requiring no UNIX/Linux management skills
- Must be affordable
- Lack of 24x7 onsite staff so uptime and remote management is required

##### Solving the problem

- Immunix Secure Server Manager provides easy and intuitive browser-based management and SSL secured for remote access
  - ProLiant DL320 and DL360 series servers are competitively priced and offer the industry's lowest TCO
  - The QuickStart CD transforms ProLiant DL series servers into an anti-virus and content filtering gateway in about 15 minutes. No Linux knowledge is required.
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### Typical Usages

- The InterScan/Immunix Secured Solution for hp ProLiant Servers may be deployed as a new network gateway
  - To provide redundancy and enhance performance
  - As a replacement for current anti-virus application or server to provide higher performance, better manageability, stronger and security, and lower TCO.
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### Servers Supported

- ProLiant DL320
  - ProLiant DL580
  - ProLiant DL360 G2
  - ProLiant DL380 G2
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### Systems Requirements

#### SMB

- ProLiant DL320, 128MB memory, 10k rpm drives, 18GB disk capacity

#### SME

- ProLiant DL360, 256MB memory, 10k rpm drives, 36GB disk capacity
- ProLiant DL380, dual Pentium, 512MB memory, 15k rpm drives, 36GB disk capacity

#### Enterprise

- ProLiant DL580, dual Xeon processors, 1024MB memory, 15k rpm drives, 72GB disk capacity
- ProLiant DL580, quad Xeon processors, 1024MB memory, 15k rpm drives, 72GB disk capacity

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### Service and Support

Two years of level one support and intra-version updates to the operating system are provided in the license price of Immunix.

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