

## **Administering Websense Email Security (WES) v 7.0 Two Day Instructor-Led Training**

This two-day instructor-led course provides hands on training and instruction for Websense Email Security v7, the on-premise email security solution.

This course covers:

- The Functions and Advantages of Websense Email Security (WES)
- Pre-installation and Network Deployment Considerations
- Installing and Configuring WES
- WES Interface and Tools
- WES Administration
- Email Connection Management
- WES Services:
  - Receive Service
  - Rules Service
  - Send Service
- Message Administration
- The v7 Dashboard
- Database Maintenance
- Automated Task Management
- Dictionary Management
- Report Central
- Personal Email Manager

### **Prerequisites**

In order for attendees to benefit from this course they should already have the following knowledge and abilities:

- Working knowledge of MS Windows 2000/2003 server operating systems and components
- Basic networking expertise

## Course Topics

This course contains the following modules:

### Module 1: Websense Email Security (WES) Basics

- About WES
  - WES Features
- WES Services, Components and Licensing
  - Four Main Services
  - Three Core and Five Additional Components
  - Opening Websense Email Security components
  - Licensing Options
- SMTP Email Protocol
  - Types of SMTP Attacks
- Basic Email Processing
- WES Message Processing
  - WES Architecture
- Process Flow
- **Module 1 Hands-On Labs**
  - None

### Module 2: Pre-Installation and Deployment Considerations

- Steps for a Successful Deployment
- Preinstall Questions
  - Operating System, Hardware, Software and other Requirements
  - Administration Client Requirements
- Installation Recommendations and Deployment Scenarios
- Database Considerations
- Network Placement
- Upgrade Considerations
- **Module 2 Hands-On Labs**
  - None

### Module 3: Installing and Configuring WES

- Installation Options and Considerations
  - Installation Requirements
  - Important Port Assignments
- **Module 3 Hands-On Labs**
  - Lab 3-1 Websense Email Security 6.1 Installation
  - Lab 3-2 Configure Websense Email Security

### Module 4: Administration

- Monitor
- Service Control
- Administration Configuration

- Certification Management
- **Module 4 Hands-On Labs**
  - Lab 4-1 Add a Remote Administrator Account
  - Lab 4-2 Add a TLS Certificate

### **Module 5: Email Connection Management**

- ECM Introduction
- Connection Management Process
- Server Configuration
  - Protected Domains
  - Mail Relays
  - Blacklist
  - Reverse DNS Lookup
  - Reputation/DNS Blacklist
  - Directory Harvest Detection
  - Denial of Service of Detection
  - Remote User Authentication
  - Sender Policy Framework (SPF) Check
- **Module 5 Hands-On Labs**
  - Lab 5-1 Add Protected Domains
  - Lab 5-2 Test Protected Domains
  - Lab 5-3 Add Direct and Outlying Mail Relays
  - Lab 5-4 Add Entries to a Black List
  - Lab 5-5 Test a Blacklist

### **Module 6: Receive Service**

- Introduction
- Receive Service Server Configuration
  - SMTP Properties
  - Connections
  - ESMTP Support
- Monitor Server Status: Receive Service
- **Module 6 Hands-On Labs**
  - Lab 6-1 Enable Administrator Alerts
  - Lab 6-2 Increase Message Count Threshold
  - Lab 6-3 Enable Logging
  - Lab 6-4 Set Receive Service SMTP Port
  - Lab 6-5 Increase Maximum Active Inbound Connections
  - Lab 6-6 Limit Maximum Connections for Each Trusted IP address
  - Lab 6-7 Enable Secure SMTP over TLS

### **Module 7: Rules Service**

- Rules Introduction
- Rules Service Administration
  - General Settings
  - Configuration

- Queue Management
- Rules Administrator
  - Rule Basics
  - Rule Objects
  - Creating Rules
  - Rules Management
- **Module 7 Hands-On Labs**
  - Lab 7-1 Add a Queue
  - Lab 7-2 Automate Queue Management
  - Lab 7-3 Create a Rules Group
  - Lab 7-4 Rule Creation Basics
  - Lab 7-5 Create a Rule to Move Corrupt Messages to a Folder
  - Lab 7-6 Create a Rule to Enforce AUP Pornography
  - Lab 7-7 Add a Footer to Outbound Emails
  - Lab 7-8 Export Rules
  - Lab 7-9 Delete a Rule
  - Lab 7-10 Import a Rule

#### **Module 8: Send Service**

- Introduction to Send Service
- Send Service Configuration
  - SMTP Properties
  - Connections
  - Routing
  - Smart Host Routing
  - Requeueing Scheme
- Send Service Monitor
- **Module 8 Hands-On Labs**
  - Lab 8-1 Add a Static Route
  - Lab 8-2 Configure a Default Route
  - Lab 8-3 Configure MX Lookups
  - Lab 8-4 Configure Smart Host Routing

#### **Module 9: Message Administration**

- The Email Monitor
- Message Analysis
  - Message Search
  - Message Release
  - Message History
  - Message Properties
- Queue Panel
- Log Management
- **Module 9 Hands-On Labs**
  - Lab 9-1 Search for Email Messages
  - Lab 9-2 View Message History

- Lab 9-3 Release an Isolated Message

### **Module 10: Database Management**

- Database Tools
  - Configuration Database Management
  - Log Database Management
  - SQL User Management
- **Module 10 Hands-On Labs**
  - Lab 10-1 Back Up the Configuration Database
  - Lab 10-2 Restore the Configuration Database
  - Lab 10-3 Archive the Log Database
  - Lab 10-4 Create a New Log Database

### **Module 11: Scheduler (Automated Task Management)**

- Introduction
- Scheduler Service Configuration: Adding Scheduler Items
- **Module 11 Hands-On Lab**
  - Lab 11-1 Schedule Anti-Spam Updates

### **Module 12: The v7 Dashboard**

- Overview
  - Accessing the Dashboard
  - Preferences & Cookies
- Value Panel
  - ThreatSeeker
- Alerts
  - New Alerts
  - Repeat Alerts
  - Responding to Alerts
  - Configuring Behaviour
- External Systems
- Connection Graphs
- Isolation Queues
- **Module 12 Hands-On Labs**
  - Lab 12-1 v7 Dashboard.doc

### **Module 13: Dictionary Management**

- Introduction
- Managing Dictionaries
  - Default Dictionaries
  - Dictionary Management
    - Adding or Editing Dictionary Entries
    - Creating New Dictionaries
    - Importing and Exporting Dictionaries
      - Import/Export Utility
- **Module 13 Hands-On Labs**

- Lab 13-1 Import Dictionary Packs
- Lab 13-2 Export Dictionaries as Dictionary Packs

#### **Module 14: Report Central (RC)**

- Introduction
- Installation
  - System Requirements
  - Installation Considerations
  - Performance Notes
- Accessing Report Central
- Report Central Interfaces
  - Report Manager
  - Drill-Down Manager
  - Configuration
    - Users
    - Database Connection
    - Mail Settings
    - Archive/Delete Options
    - Change Password
- **Module 14 Hands-On Labs**
  - Lab 14-1 Report Central Installation
  - Lab 14-2 Create New Report Users and Rights
  - Lab 14-3 Save Custom Reports
  - Lab 14-4 Email a Scheduled Report

#### **Module 15: Personal Email Manager (PEM)**

- PEM Introduction
- PEM Configuration Tool
- PEM Web Interface
  - Set up administrators
  - General options
- Notifications (Timing and Options)
- **Module 15 Hands-On Labs**
  - Lab 15-1 Install Personal Email Manager - PEM
  - Lab 15-2 Add an Administrator
  - Lab 15-3 Enable Spam-Queue Dictionary
  - Lab 15-4 Configure Notification Time for a Specific Interval