

Websense Web Security Engineer (WWSE) v7 Course Agenda

Websense Web Filter (WWF) and Websense Web Security (WWS)

Description/Objectives

During this three day interactive training course, you will learn how to install, configure, administer, support and troubleshoot Websense Web Filtering (WWF) and Websense Web Security (WWS) products. You will also be introduced to the fundamentals of the new Websense Security Gateway (WSG) which includes an optional add-on module for WWF/WWS called the "Content Gateway Module" comprised of an SSL Manager, Web 2.0 Categorization, Dynamic Classification and a Web Proxy and Cache. The full Websense Security Gateway adds the "Active Security Module" which uses real-time ThreatSeeker Analytics, Dynamic Malware Control and Malicious Malware Stripping.

The 3 day participative class features lecture and group discussions, as well as an innovative new lab structure:

1. **Traditional hands-on labs:** "follow the recipe" labs for tasks that require absolute fidelity.
2. **iLabs and iDemos:** where the instructor demonstrates specific features or capabilities.
3. **Concept labs:** where participants are presented with a particular scenario, (reporting for example) where the need is to determine the top categories posing the greatest security risk to an organization, or the requirement to create a report showing users with the greatest amount of hits in the Spyware category, reported without compromising user identities.
4. **Troubleshooting labs:** where typical customer issues and problem are setup within the lab and participants are given the opportunity to diagnose, troubleshoot and repair real-world problems such as data not being logged to the database, users not receiving a block page, inability to add directory objects, etc.

Labs will be delivered in a Lab Workbook with guided discussions and areas to take notes. One other notable curriculum/lab enhancement is the inclusion of VMWare images distributed with every hands-on class for a uniform and successful lab environment. Course structure will vary from 1:2 to 1:3 – one hour of slides to 2 or 3 hours of practical lab work.

Prerequisites

Strong hands-on experience with a majority of the following technologies: TCP/IP, Firewalls, Routing, Network Administration, DNS/DHCP, Proxy Servers, Windows, Unix and/or Linux, Novell, Directory Services and SQL Server.

TOPIC OUTLINE v7 3 Day Beta/Pilot Course

Module 01. Introduction

- **About Websense**

- Essential Information Protection
 - Product and Technology Overview
 - Content Security, Hosted Security, Messaging Security, Web Security
- Websense Web Security Products
 - Websense Web Filtering (WWF) and Websense Web Security
 - [optional] Add-On Content Gateway Module
 - SSL Manager
 - Web 2.0 Categorization
 - Dynamic Classification
 - Web Proxy and Cache
 - Websense Web Security (WWS)
 - Websense Security Gateway (WSG)
 - Adds Active Security Module
 - Real-Time ThreatSeeker Analytics
 - Dynamic Malware Control
 - Malicious Content Stripping

Module 02. Deployment and Installation

- **Pre-Installation**

- Hardware and Software Requirements
- Core Components
- Secondary/Optional Components
- Deployment Planning
- Additional Deployment Notes
 - Sample Deployment Scenarios

Module 03. Troubleshooting Part 1: Installation Debugging

- **Checking the Installation**
- **Debugging WWF/WWS Installations**
- **Debugging Apache and Tomcat**
 - Location and purpose of logging files
- **Batch File: PPPUFN**

Module 04. WWF/WWS Interface Introduction

- **Introducing the new v7 Web Security Interface**
 - New Terminology/Terminology Changes
 - Logon/First Screen
 - Websense Manager GUI Interface
 - *Switching Policy Servers*
 - *Switching User Roles*
 - *The Websense Banner*
 - *Left Navigation Pane (Main & Settings Tabs)*
 - *Right Shortcut Pane*
 - *Content Page*
 - Help Systems

Module 05. Initial Configuration

- **Left Navigation Pane**
 - Settings Tab
 - General
 - Alerts and Notifications
 - Network Agent
 - Reporting
- **Right Shortcut Pane**
 - Save Changes
 - Common Tasks
 - Toolbox
 - Support Portal

Module 06. User Identification and Authentication

- **Configure User Service with different types of directory services**
- **User Identification**
 - Websense Integration Products
 - Websense Transparent Identification (XID) Agents
 - Manual Authentication
- **Authentication**
 - Managing Websense Accounts
 - User Service & Self Reporting
 - Logon Directory
 - Network Accounts

Module 07. Policy Management

- **Clients**
 - Directory
 - Network
 - Computers
- **Policies**
 - Adding Policies
 - Editing Policies
- **Filters**
 - Category Filters
 - Protocol Filters
 - Limited Access Filters
- **Manage Filter Components**
 - Edit Categories
 - Edit Protocols
 - Files Types
 - Unfiltered URLs
- **Filter Lock**
 - Categories
 - Protocols

Module 08. Integrations and the Websense Ecosystem

- **Top 4 Worldwide Integrations identified by Technical Support**
 1. Checkpoint
 2. Cisco Pix
 3. Microsoft ISA
 4. Squid Proxy
- **Websense Content Gateway**

Module 09. Reporting

- **Single Interface**
- **New Dashboards (Today and History) Flash based**
- **Presentation Reports**
 - Select report type from report inventory, Click Run
 - Select date range and output format (PDF, HTML, XLS), Click Run
 - Uses Jasper reporting engine
- **Investigative Reports**
- **Reporting is a part of the Tomcat instance in the Manager, not a separate app**
- **Troubleshooting Reporting is exactly the same as troubleshooting the Manager**

Module 10. Delegated Administration

- **Managing Roles**
- **Administrative Roles**
- **Creating and Configuring Roles**
- **Central Configuration Distribution**
- **Delegated Reporting**
- **Administrative Auditing and Logging**
- **Auditing**
- **SNMP Alerting**
- **Anonymous Logging**

Module 11. Remote Filtering

- **About Remote Filtering**
- **Integrated Installation**

Module 12. Troubleshooting Part 2: Debugging Tools

- **Websense Tools**
 - WebsensePing
 - ConsoleClient
 - TestLogServer
 - WSBackup
 - PGSetup (backup and restore database – upgrade clean install)

Module 13. Upgrading from Previous Versions of Websense Enterprise or Websense Web Security Suite

- **System Requirements**
- **Component Differences in a Nutshell**
- **Troubleshooting**
 - Tips and Tricks

Module 14. Websense Security Gateway

- **Introducing Websense Security Gateway (WSG)**
 - What is WSG?
 - Real-Time Analytics
 - Real-Time Scanning
- **Deployment Options**
 - Explicit & Transparent Proxies
- **Installing WSG**
 - Hardware and OS Requirements
 - Linux OS Configuration
 - Installing Websense Web Security Gateway
 - SSL

LAB GUIDE: v7 Beta/Pilot Lab Types and Titles

Module 01. Introduction

- **iLab** 01-1: iLab - Malicious sites & their consequences

Module 02. Deployment and Installation

- **cLab** 02-1: Concept Lab - Websense Deployment Wizard
- **hLab** 02-2: Hands-on Lab - Installing WWSv7
- **iLab** 02-3: iLab - Websense Help & Documentation

Module 03. Troubleshooting Part 1: Installation Debugging

- **cLab** 03-1: Concept Lab - PPPUFN Batch files
- **iLab** 03-2: iLab - Installation problems - Install logs

Module 04. WWF/WWS Interface Introduction

- **iLab** 04: iLab - Introducing the New Interface

Module 05. Initial Configuration

- **hLab** 05-1: Hands-on Lab - Initial Setup

Module 06. User Identification and Authentication

- **hLab** 06-1: Hands-on Lab - Configuring Directory Service
- **hlab** 06-2a: Configuring the Logon Agent
- **hlab** 06-2b: Setting up GPO Logon Scripts

Module 07. Policy Management

- **hLab** 07-1: Hands-on Lab - Policy Basics
- **cLab** 07-2: Concept Lab - Building a Complex Policy
- **hLab** 07-3: Hands-on Lab – Creating a Custom Block Page

Module 08. Integrations and the Websense Ecosystem

- **No Labs**

Module 09. Reporting

- **hLab** 09-1: Hands-on Lab - Using a Demo Database
- **cLab** 09-2: Concept Lab - Reporting Scenarios
- **iLab** 09-3: iLab - The Database Structure
- **hLab** 09-4: Hands on Lab - Self Reporting
- **hLab** 09-5: Hands-on Lab - Configuring Alerts
- **tLab** 09-6: Troubleshooting Lab - Troubleshooting Failed Presentation Reports

Module 10. Delegated Administration

- **hLab** 10-1: Hands-on Lab - Creating Websense Accounts
- **hLab** 10-2: Hands-on Lab - Configuring Logon Directory
- **cLab** 10-3: Concept Lab - Building a Delegated Administration Scenario
- **tLab** 10-4: Troubleshooting Lab - Troubleshooting Websense Account & Directory Service Logins

Module 11. Remote Filtering

- **hLab** 11-1: Hands-on Lab - Installing Remote Filtering
- **tLab** 11-2: Troubleshooting Lab - Troubleshooting Remote Filtering Failures

Module 12. Troubleshooting Part 2: Debugging Tools

- **tLab** 12-1: Troubleshooting Lab - Using WebsensePing
- **tLab** 12-2: Troubleshooting Lab - Using TestLogServer
- **tLab** 12-3: Troubleshooting Lab - Using Console Client
- **tLab** 12-4: Troubleshooting Lab - Using WSBackup
- **tLab** 12-5: Troubleshooting Lab – Resetting WebsenseAdministrator Passwords
- **tLab** 12-6: Troubleshooting Lab - Using ConfigUploader
- **tLab** 12-7: Troubleshooting Lab - Using PGAdmin
- **tLab** 12-8: Troubleshooting Lab - Using PGSetup

Module 13. Upgrading from Previous Versions of Websense Enterprise or Websense Web Security Suite

- **iLab** 13-1: iLab - Upgrading a Distributes v6.x Setup

Module 14. Websense Security Gateway

- **hLab** 14-1: Hands-on Lab - **Installing Websense Security Gateway**
- **hLab** 14-2: Hands-on Lab - **Real-Time Filtering**
- **hLab** 14-3: Hands-on Lab - **Deploying SSL Certificates and Managing SSL Traffic through the Gateway**
- **cLab** 14-4: Concept - **Reporting on Real-Time Reports**