

# Websense Web Security Professional Examination Specification

## Introduction

This is an exam specification for the Websense Web Security Professional - Web Security v7. The specification defines the test framework, content coverage of the examination, and the relevant background and experience required for success on the certification exam for Websense Web Security Professional - Web Security v7.

## Exam Purpose

This examination will certify that the successful candidate has the important knowledge, skills and competencies necessary to ensure the proper design, architecture, planning, installation and configuration of Websense Web Filter (WWF)/Websense Web Security Software (WWS). In addition, a certified examinee will be able to assist in the implementation and administration of policy and reporting features related to identifying spyware, malicious mobile code, and phishing attacks, as well as bots and other network and security threats.

## Audience

The examination is available to customers, partners and others interested in becoming Websense Certified at a Professional level in the state-of-the-art technology of Websense Web Filter and Websense Web Security software solutions.

## Candidate Background and Experience

### Experience

Successful candidates for this certification should have extensive industry experience with information technologies and Web security, and must be knowledgeable about networking topologies, operating systems, system administration and enterprise database systems. Candidates may hold other certifications or have completed training in one or more of the following areas but are not required to have these certifications.

Related certifications recommended in this field are:

### Security

- Check Point CCSA/CCSE
- CISA (Certified Information Systems Auditor)
- CISSP (Certified Information Systems Security Professional)
- CompTIA Security+ and TICSA Bootcamp

### Networking

- CompTIA Network + Certification
- Networking Specialist Certificate
- Cisco CCNA/CCNP/CCIE

## Operating System Certifications

- MCSA (Microsoft Certified Systems Administrator)
- MCSE (Microsoft Certified Systems Engineer)
- Linux certification; (RHCE) Red Hat Certified Engineer recommended
- Sun Solaris certification

## Recommended Training

- Websense Web Security v7 Authorized Training ([www.websense.com/findaclass](http://www.websense.com/findaclass))
- Websense University
- Websense Webinars
- Websense tutorials
- Channel Booster Presentations
- Websense documentation, white papers, KnowledgeBase (KB) articles, and guides
- Other external security and network certification training
- Network Security Specialist training
- Security Management training
- Networking Specialist training

## Education

Generally, highly successful candidates have undergraduate or graduate degrees in computer science, information security or software engineering but are not required to have these degrees.

## Prerequisite Skills for Certification

A successful candidate:

- Can independently design, architect, plan, install and configure Websense Web Filter/Websense Web Security software, choosing the right model based on network topology and server configurations.
- Can apply policy controls to address primary network and application security issues.
- Can advise customers about Websense Web Filter/Websense Web Security software.
- Can analyze user needs and Web security requirements to determine feasibility of design implementation.

## Examination Structure

The knowledge domains measured by this examination and the extent to which they are represented in the examination are shown in the table below.

The published examination will have 50 items and 70 minutes will be allowed to complete the exam.

**Note: This examination blueprint includes weighting, test objectives, and example content. Enabling sub-skills are included to clarify the test objectives and should not be construed as a comprehensive listing of the examination content.**

The table below lists the high level domains measured by this examination and the extent to which they are represented in the examination. These are the main activity areas of being Websense Certified with a Web Security v7 Professional specialty.

*Weighting for Exam Content Areas*

Domain	Percentage of Exam
1.0 Deploying, Installing and Upgrading	25%
2.0 Configuration and Administration	30%
3.0 Reporting	15%
4.0 Troubleshooting	30%
<b>Total</b>	<b>100%</b>

**Response Limits**

The examinee selects, from three (3) or more response options, the option(s) that best completes the statement or answers the question. Distracters or wrong answers are response options that examinees with incomplete knowledge or skill would likely choose, but are generally plausible responses fitting into the content area defined by the test objective.

Test item formats used in this examination are:

**Multiple-choice (single answer):** The examinee selects one option that best answers the question or completes a statement.

**Multiple-response (multiple answers):** The examinee selects more than one option that best answers the question or completes a statement. The question will state how many options are correct, i.e., (Choose TWO).

**Sample Directions:** Read the statement or question and from the response options, select only the option(s) that represent the most correct or best answer(s) given the information provided.

## Domain 1.0 – Deploying, Installing and Upgrading

This domain addresses knowledge of core and secondary product features and proficiency to recognize how to assess, plan, install, deploy and upgrade Websense Web Filter/Websense Web Security solutions.

### 1.1 Recognize and have an understanding of Websense Essential Information Protection in order to deploy an appropriate solution.

- ThreatSeeker
- Product and Technology Overview
  - Data Security
  - Hosted Security
  - Messaging Security
  - Web Security

### 1.2 Recognize core and secondary software Websense filtering and security components, features and benefits as well as hardware recommendations for successful pre-installation and deployment planning

- Hardware and software requirements
  - SQL
- Core Components
  - User Service
  - Policy database
  - Policy broker
  - Policy server
  - Filtering service
  - Websense Master Database
- Secondary/Optional Components
  - Network Agent
  - Log Server/Reporting components
  - Usage Monitor
  - Transparent identification agents
  - Linking service
  - Remote filtering
  - Service control, stop/start order
  - Security/Content Gateway concepts
    - SSL Manager
    - Dynamic classification /Web 2.0 categorization

### 1.3 Recognize how to integrate Websense Web Security with other third-party products.

- EcoSystem Integration
  - Squid Proxy
  - Bluecoat
  - Cisco Pix
  - ISA
  - Checkpoint
- Websense Content Gateway

## 1.4 Identify the requirements and components for upgrading Web Security.

- System Requirements
- Component Differences in a Nutshell

### Sample Item Domain 1

What would happen if a custom block page became unavailable?

- a) The request would be permitted through
- b) A "404 File not found" page would be displayed
- c) The filtering service would check the 'default' directory to find the block pages
- d) An email pertaining to the fault would be sent to the Websense Server administrator

Correct Answer = C

## Domain 2.0 – Configuration and Administration

This domain addresses knowledge of core and secondary product features and proficiency to recognize how to configure and administer Websense Web Filter/Websense Web Security software to enable Web traffic filtering and optimizing network performance and security.

### 2.1 Identify initial configuration settings for setting up Websense Web Security software.

- Set up the Certificate for Websense Manager
- Settings Tab - General
  - Account
  - Filtering
  - Database Download
  - Directory Services
  - Logon Directory
  - Logging
  - Risk Classes
  - User Identification
  - Remote Filtering
  - Policy Servers
- Settings Tab – Alerts and Notifications
  - Alerts
  - System
  - Category Usage
  - Protocol Usage
- Settings Tab – Network Agent
- Methods for Identifying Users
  - Websense Integration Products
  - Websense Transparent Identification (XID) Agents
  - Manual Authentication
- Configure User Service with different types of directory services

## **2.2 Identify the components and functions for establishing Policy Management in Web Security.**

- 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
- Manage Filter Components (Filter Lock)
  - Categories
  - Protocols

## **2.3 Identify how to establish the roles and distribution for delegated administration in Web Security.**

- Managing Roles
- Administrative Roles
  - Conditional
  - Unconditional
- Creating and Configuring Roles
  - Creating a Super Administrator
- Delegated Reporting
- Administrative Auditing and Logging
- Auditing
- SNMP Alerting
- Anonymous Logging

## **2.4 Recognize how to establish remote filtering.**

- Remote Filtering
- Websense Web Filtering (WWF) and Websense Web Security
  - SSL Manager
  - Web 2.0 Categorization
  - Dynamic Classification
  - Web Proxy and Cache
  - Websense Web Security (WWS)

### **Sample Item Domain 2**

What installation characteristics should be considered when installing a Remote Filtering Server? (Choose FOUR)

- a) Up to three servers can be installed as failover.
- b) Install the server on a dedicated machine in the DMZ.
- c) The remote server should not be monitored by a Network Agent.
- d) The remote server can host the Log Server service for faster data collection.
- e) The server should be configured with a public address on its external interface.
- f) The server should be installed on the same machine as the Filtering Server service.

Correct Answer = A, B, C, E

## Domain 3.0 Reporting

This domain covers Websense Web Filter/Websense Web Security reporting functions and activities.

### 3.1 Identify aspects of the new Dashboard interface (Today and History) and how to customize.

- Customize the report portal
  - Today dashboard
  - History dashboard
- Summary ROI reports
- Customize information for the History Dashboard for the last 30 days
  - Overview of time and bandwidth saved
  - Breakdown of blocked requests
    - Real-time
    - General security

### 3.2 Identify how to access, create and use Presentation reports.

- Configure custom Presentation reports given a set of criteria
- Configure SMTP server for reports
- Create and schedule Favorite Presentation reports

### 3.3 Identify how to access, create and use Investigative reports.

- Configure custom Investigative reports given a set of criteria
- Create and schedule Favorite Investigative reports

### Sample Item Domain 3

How does the PDF view differ from the the Initial User Activity Detail by Day Report?

- a) Initial User Activity Detail by Day Report does not differ in the PDF view
- b) Initial User Activity Detail by Day Report is interactive, with icons, but the PDF is static and shows a list of records
- c) Initial User Activity Detail by Day Report is the same in all output formats
- d) Initial User Activity Detail by Day Report differs in colors shown in PDF output

Correct answer = B

## Domain 4.0 Troubleshooting

This domain addresses knowledge of troubleshooting utilities and techniques to determine causes and resolve problems relating to: filtering problems, network communications and authentication issues.

### 4.1 Recognize how to debug installation issues.

- Checking the Installation
- Debugging WWF/WWS Installations
- Debugging Apache and Tomcat
  - Location and purpose of logging files
- Creating batch files to start and stop processes

### 4.2 Recognize how and when to use troubleshooting and debugging tools.

- WebsensePing
- TestLogServer
- ConsoleClient
- WSBackup
- PGSetup
- PGAdmin
- Resetting the WebsenseAdministrator password
- Diagnostics.cfg

### 4.3 Identify how to access, create and use report Troubleshooting tools and procedures.

- Check database connection
- Verify Policy Server is reachable
- Verify adequate disc space

### Sample Item Domain 4

Where can a Websense Administrator password be reset?

- a) mywebsense.com
- b) websense.com
- c) wsadmin.com
- d) wspassword.com

Correct Answer = A