

# **Websense Certified Engineer Web Security Associate Examination Specification**

## **Introduction**

This is an exam specification for the Websense Certified Engineer - Web Security Associate examination. The specification defines the test framework, content coverage of the examination, and the relevant background and experience needed to become a Websense Certified Engineer in Web Security at the Associate level.

## **Exam Purpose**

This test will certify that the successful candidate has the important knowledge and skills necessary to assist in the proper planning, installation and configuration of Websense Enterprise/Web Security Suite software. 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**

This examination is available to Websense sales engineers, customers, partners and others interested in becoming certified as a Websense Certified Engineer at an Associate level in the state-of-the-art technology of Websense Enterprise/Web Security Suite software solutions.

## **Prerequisite Background and Experience**

### **Experience**

Successful candidates for this certification should have some industry experience with information technologies and Web security, and may be knowledgeable on 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 that are useful in this field are:

### **Security**

- Check Point CCSA/CCSE
- CISA (Certified Information Systems Auditor)
- CISSP (Certified Information Systems Security Professional)
- CompTIA Security+ and TICSIA 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
- Sun Solaris certification

## **Recommended Training**

- Websense Certified Engineer - Web Security training
- Websense University
- Websense Webinars
- Channel Booster Presentations
- Websense tutorials
- 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

## **Background 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.

## **General Prerequisite Skills for Certification**

A successful candidate:

- Can assist in the planning, installation and configuration of Websense Enterprise/Web Security Suite software, helping to choose 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 Enterprise/Web Security Suite software.
- Can assist in the analysis of 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.

**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.**

| Domain  | % of Examination |
|---|------------------|
| <b>1.0 Deployment &amp; Installation</b>      | <b>40%</b>       |
| <b>2.0 Configuration &amp; Administration</b> | <b>40%</b>       |
| <b>3.0 Reporting</b>                          | <b>20%</b>       |
| <b>Total</b>                                  | <b>100%</b>      |

The Websense Certified Engineer - Web Security Associate Exam consists of 50 test questions, 14 survey questions and a time limit of 70 minutes. A passing score for the exam has been set at 72%.

## Response Limits

The examinee selects, from four (4) 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 - Deployment & Installation

This domain addresses knowledge of product features and proficiency to recognize how to plan and install Websense Enterprise/Web Security Suite solutions.

### 1.1 Recognize core and secondary software components, features and benefits when planning the installation of Websense Enterprise/Web Security Suite software.

#### Enabling sub-skills:

- Identify purpose, features and functions of core components
  - Filtering Service
  - Websense Manager
  - Websense Master database
  - Policy Server
  - User Service
  - Network Agent
- Identify purpose, features and functions of secondary components
  - Real Time Analyzer (RTA)
  - Transparent ID (XID) Agents
  - Usage Monitor
- Identify implications of installation and configuration with various integrations and Firewalls, Proxies, and VPNs to determine how they will affect the other functions of Websense Enterprise/Web Security Suite software.
- Recognize Websense Security Labs Protection services, capabilities and features
  - Websense BrandWatcher
  - WebSense ThreatWatcher
  - Webssense SiteWatcher
  - WebCatcher

### 1.2 Recognize how to properly execute an implementation plan for installing a Websense solution in complex network topologies.

#### Enabling sub-skills:

- Identify Operating System, Sever and Hardware requirements
- Identify network topology
- Plan which components are necessary for a successful installation
- Verify components that communicate with the Policy Server

**Sample Items:**

What component is most closely involved with logging and managing network bandwidth use?

- A) Policy Server
- B) Network Agent
- C) Protocol Agent
- D) Websense Manager

Correct answer: B

What Websense component attempts to connect to the database download server when a download is interrupted?

- A) DC Agent
- B) User Service
- C) Policy Server
- D) Filtering Service

Correct answer: D

## Domain 2 - Configuration & Administration

This domain covers the activity of configuring and administering Websense Enterprise/Web Security Suite software to enable Web traffic filtering and optimizing network performance and security.

### 2.1 Identify the important application areas to configure Web traffic.

#### Enabling sub-skills:

- Content Page
  - Policy Window
  - Category Set
  - Protocol Set
- Server Configuration
  - Category and Protocol Sets
  - Policy Timing
  - Network Agent
- Recognize how to start and stop components for all operating systems
- Identify the three different methods for identifying users
  - Identify the various transparent identification (XID) agents available

### 2.2 Recognize how to create, apply and customize web filtering policies, classify Web traffic, and to apply optimum web security practices.

#### Enabling sub-skills:

- Create, modify and apply filtering structures (category and protocol sets)
- Identify, apply and customize basic and advanced filters
- Integrating with different directory services
- Identify when to apply Web traffic policies and know the available criteria
- Identify if defined policies are working properly
- Tailor policies for certain people within organizations
- Apply policies to individual IP addresses or individuals

#### Sample Items:

What is **NOT** a Websense component for transparent Identification of user logon information?

- A) DC Agent
- B) Logon Agent
- C) ISA Server Agent
- D) eDirectory Agent

Correct answer: C

## Domain 3 - Reporting

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

### 3.1 Recognize how to properly use Websense Reporting Components.

#### Enabling sub-skills:

- Identify Websense Reporting Components
  - Websense Log Server
  - Websense Log Database
  - Websense Reporting Tools Portal
- Access Web-based Reporting Tools using the Websense Reporting Tools Portal
  - Real Time Analyzer
  - Enterprise Explorer
  - Database Administration Tool
- Use Database Administration Tool to manage:
  - Database Partition Rollover Options
  - Internet Browse Time Configuration (IBT)
  - Full URL logging
  - Maintenance configuration
  - Database Partitions
  - Error Logs
- View and schedule favorite reports
- Filter reports by users

#### Sample Items:

What database engine does Websense recommend for large customers?

- A) Squid
- B) MSDE
- C) MS ISA
- D) MS SQL Server

Correct answer: D

What Websense service sends data to the Log Server?

- A) Network Agent
- B) Filtering Service
- C) Real Time Analyzer
- D) Policy Server Service

Correct answer: B