



## **Installation Guide Supplement**

for use with

### **Universal Integrations**

Websense® Web Security

Websense® Web Filter

# Websense Installation Guide Supplement for Universal Integrations

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Published 2008  
Printed in the United States of America and Ireland

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# 1

## Universal Integrations

This supplement provides additional information for installing and setting up an integration of Websense® Web Security or Websense Web Filter with your firewall, proxy server, caching application, or network appliance.

Separate installation supplements are available for these integrations:

- ◆ Cisco®
- ◆ Check Point®
- ◆ Citrix®
- ◆ Microsoft® Internet Security and Acceleration (ISA) Server
- ◆ Network Appliance™ NetCache®
- ◆ Squid Web Proxy Cache

If your integration product is not listed here, go to [www.websense.com/global/en/Partners/TAPartners/SecurityEcosystem/](http://www.websense.com/global/en/Partners/TAPartners/SecurityEcosystem/) to check the list of Technology Partners to see if Websense software supports an integration with your firewall, proxy server, caching application, or network appliance. If your integration product is listed, that product has been specifically enhanced to integrate with Websense software.

Typical configurations include networks with a single firewall, proxy server, or caching application, and networks with an array of firewalls, proxy servers, or caching appliances. A Websense transparent identification agent, such as DC Agent for Windows-based directory services or eDirectory Agent for Novell directory services, can be installed on the Filtering Service machine or on a separate machine.

- ◆ **Filtering Service:** Interacts with your integration product and Network Agent to filter Internet requests. Filtering Service either permits the Internet request or sends an appropriate block message to the user.
- ◆ **Network Agent:** Internet protocols that are not managed by your integration product are managed by Network Agent. It can detect HTTP network activity and instructs the Filtering Service to log this information.

If Network Agent is installed, you must define the IP addresses of all proxy servers through which computers route their Internet requests. See the Network Configuration topic in the Websense Manager help system for instructions.

If Network Agent is installed separately from the other filtering components, select the **Integrated** option in the Integrated Options screen. This selection ensures that bandwidth filtering can be applied in the integrated environment.

## How Websense filtering works with your integration

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When the integration product receives an Internet request, the integration queries Websense Filtering Service to find out if the requested site should be blocked or permitted. Filtering Service consults the policy assigned to the client. Each policy designates specific time periods and lists the category filters that are applied during those periods.

After Filtering Service determines which categories are blocked for that client, it checks the Websense Master Database.

- ◆ If the site is assigned to a blocked category, the client receives a block page instead of the requested site.
- ◆ If the site is assigned to a permitted category, Filtering Service notifies the integration product that the site is not blocked, and the client is allowed to see the site.

## Installation

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- ◆ A list of integrations is displayed, after you select **Integrated** in the Websense installer's Integration Options window.
  - Select **Universal Websense Installation**, and click **Next**.
- ◆ When you reach the Transparent User identification screen, you can select an agent to have Websense software identify users for filtering by user and group policies.

Select **None** if you plan to configure authentication of users through your integration product, or if you plan to assign policies to computers and networks (IP addresses or IP address ranges) only.

See the *Deployment Guide* for more information on transparent identification agents.

- ◆ To prevent users from circumventing Websense filtering, configure your firewall or Internet router to allow outbound HTTP, HTTPS, FTP, and Gopher requests only from your integration product.

Contact your router or firewall vendor for information about configuring access lists for that product.



### Important

If Internet connectivity of Websense software requires authentication through a proxy server or firewall for HTTP traffic, the proxy server or firewall must be configured to accept clear text or basic authentication to enable the Websense Master Database download.

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- ◆ Follow the onscreen prompts to complete the installation.

## Upgrade

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Refer to the *Installation Upgrade Supplement* for instructions on upgrading Websense software.

## Initial setup

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Depending on the integration product you are using, you may need to configure client computers to access the Internet through it, to enable Websense filtering. Consult your integration product's documentation to make this determination.

## Migrating to a different integration after installation

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You can change your integration product or version after installing Websense software without losing any of your configuration data.



### Note

If you are installing a product from one of the separate integrations listed on [page 5](#), refer to the Websense *Installation Guide Supplement* for that product.

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1. Install and configure your new integration product. See your integration product documentation for instructions.  
Ensure that it is deployed so that it can communicate with Filtering Service and Policy Server.
2. Use the Websense Backup Utility to backup the Websense configuration and initialization files. See Websense Manager Help for instructions
3. Ensure that Websense software is running. The installer looks for Policy Server during the installation process.
4. Remove the Filtering Service using the procedures for removing components in Chapter 3 of the Websense *Installation Guide*.



### Warning

Remove the Filtering Service only. Do **not** remove the Policy Server.

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5. Restart the machine (Windows only).
6. Run the Websense installer again.
7. Add the Filtering Service using the procedures for installing individual components in Chapter 3 of the *Installation Guide*.

8. When prompted to select an integration, select **Universal Websense Installation**.
9. Follow the onscreen instructions to complete the installation.

The installer adds the new integration data, while preserving the previous configuration data.

10. Restart the machine (Windows only).
11. Check to be sure that the Filtering Service has started.

- In Windows:
  - Open the Services dialog box.
  - Check that **Websense Filtering Service** is started.
- In Linux:
  - Open a command prompt.
  - Change directories to `opt/Websense/bin`.
  - Run `./WebsenseAdmin status`.
  - Check that **Websense Filtering Service** is running.

To start a service, follow the instructions in Chapter 3 of the *Installation Guide*.

12. Open Websense Manager to identify which Filtering Service instance is associated with each Network Agent.
  - a. Open the **Settings** tab.
  - b. Go to the **Settings > Network Agent**, then choose the appropriate IP address to open the **Local Settings** page.
  - c. Under **Filtering Service Definition**, select the IP address for the machine running Filtering Service. During the migration, the setting may have been reset to None.
  - d. Log out of Websense Manager.

For more information, see Local Configuration under the Network Configuration topic in Websense Manager Help.

13. If you stopped your anti-virus software, be sure to start it again.



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