

Migrating your custom settings to version 7.6

Webinar July 2011



Greg Didier

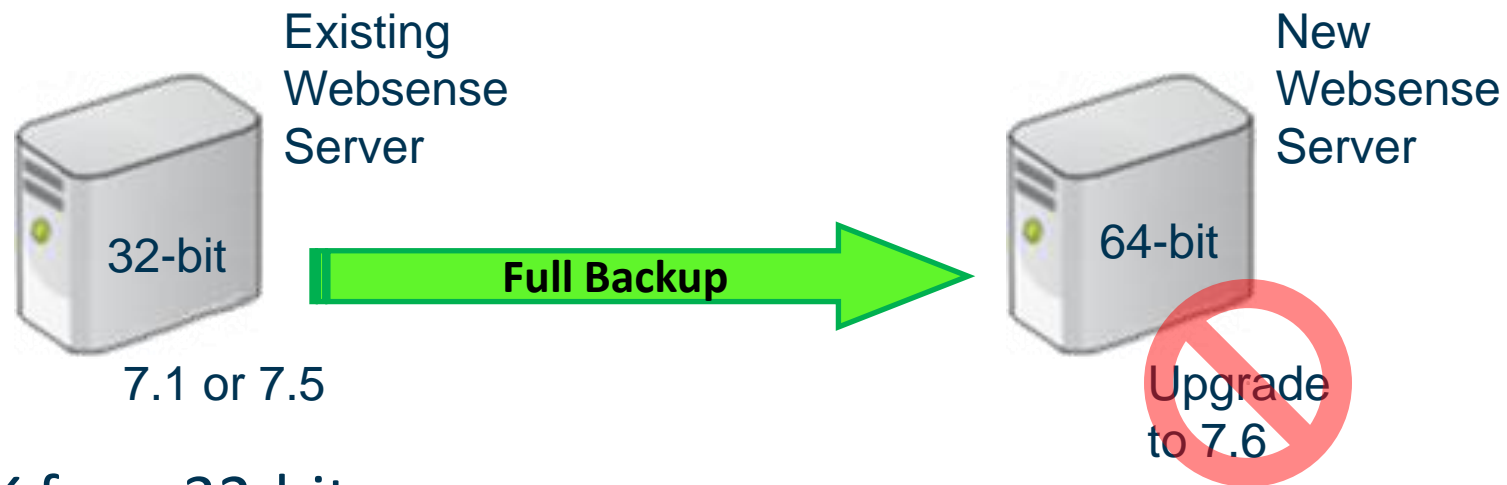
- **Title:** Support Specialist
- **Accomplishments:**
 - 9 years supporting Websense products
- **Qualifications:**
 - Technical Support Mentor
 - Product Trainer

Goals And Objectives

- Migration methods
- Full restore or Policy Database import?
- Policy Database migration pros and cons
- Migration demonstration
- What's new for backing up version 7.6

Migrating To New Equipment

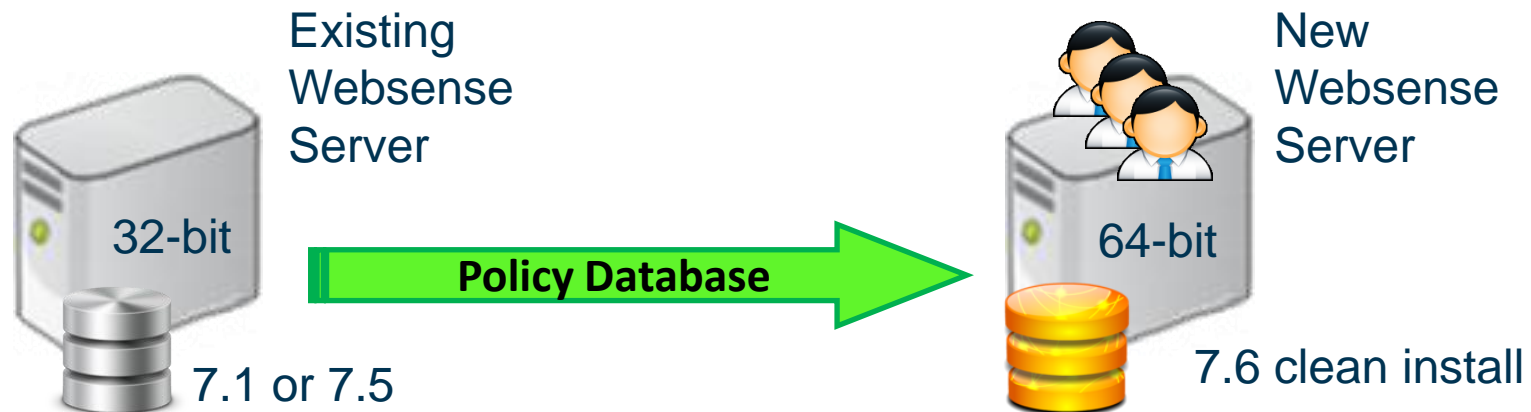
- Recommended migration method is via a standard upgrade
 - When migrating to new equipment
 1. Install your current version on the new machine
 2. Use the Backup Utility to move existing configuration to the new machine
 3. Upgrade the new installation



- OK for a 32-bit new server
- The 64-bit snag
 - 7.5 and earlier versions not tested on 64-bit architecture

64-bit Server Migration Overview

- Going to 64-bit complicates the standard upgrade method
- Article: [How to migrate 7.1 and 7.5 policies to 7.6](#)
 - Transfer your policies and filters (Policy Database)
 1. Backup your existing 7.1/7.5 Policy Database
 2. Install Websense 7.6 on your new server
 3. Backup the 7.6 Web Security and TRITON infrastructure
 4. Migrate the 7.1/7.5 Policy Database into the new server
 5. Upgrade the newly imported Policy Database to 7.6
 6. Merge Websense administrators into TRITON Unified Security Center



■ Two step process

1. Migrate your custom policies and filters
 - Run the **PgSetup** command
2. Migrate your Websense administrator accounts
 - Run the **MergeTRITONAdministrators** command

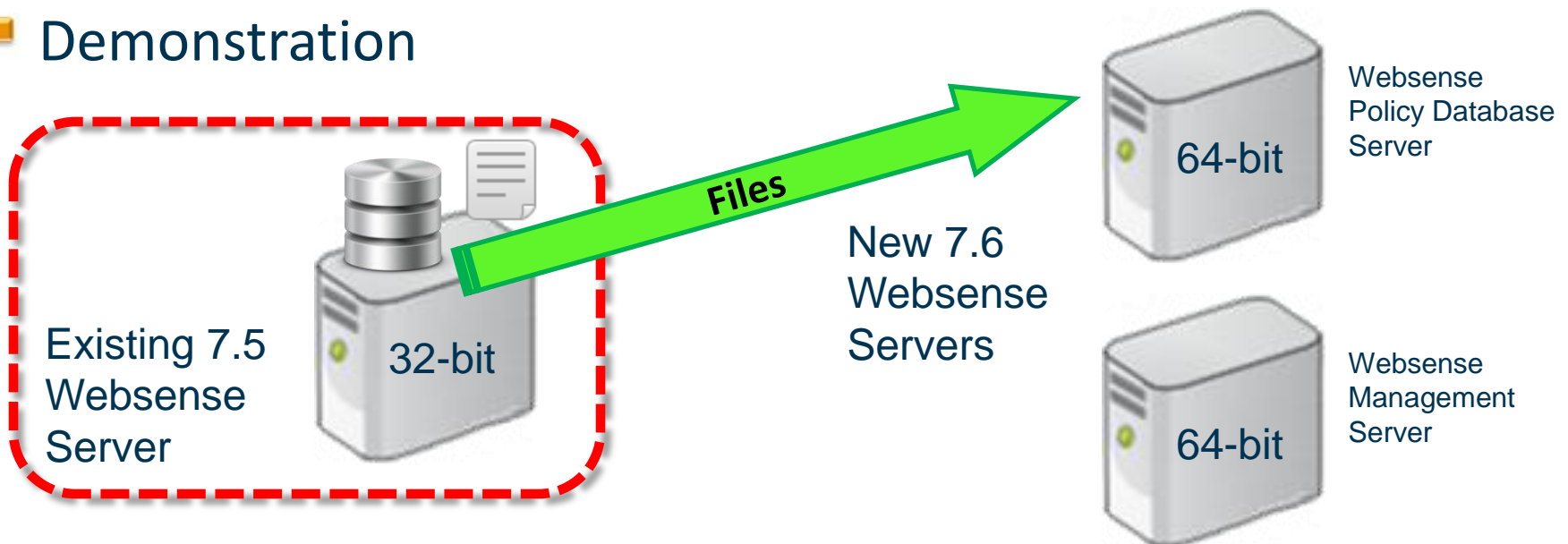
■ Know your Websense components

- Websense Policy Database & Websense Policy Broker services
 - The *Policy Database server*
 - This is where you run **PgSetup**
- Websense TRITON Settings Database service
 - The *TRITON Management Server*
 - Stores administrator settings and other TRITON configuration data
 - This is where you run **MergeTRITONAdministrators**

Demonstration Step 1

- Migrating from a single 32-bit server to two 64-bit servers
- Step 1 - collect existing configuration
 1. Make a copy of the `config.xml` file
 2. Back up the Policy Database to a file
 3. Move files to the 7.6 Policy Database server

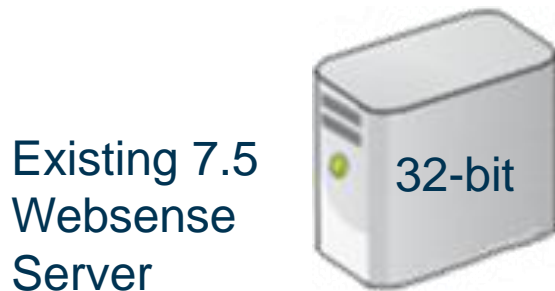
■ Demonstration



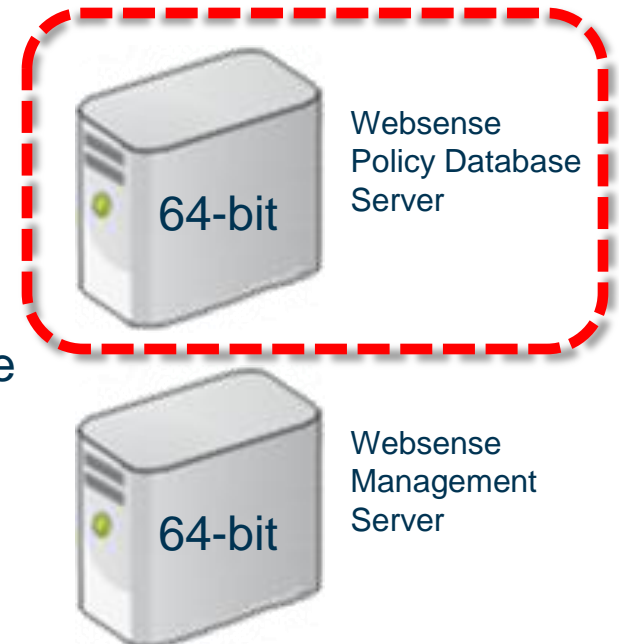
Demonstration Step 2

- Migrating from a single 32-bit server to two 64-bit servers
- Step 2 - importing the Policy Database
 1. Clean full server backup
 2. Clean 7.6 Policy Database backup
 3. Stop services and back up the `config.xml` file
 4. Import & upgrade the 7.5 Policy Database
 5. Synchronize the `config.xml` token

■ Demonstration



New 7.6
Websense
Servers



Demonstration Step 3

- Migrating from a single 32-bit server to two 64-bit servers
- Step 3 - merge Websense administrator accounts
 1. Back up the TRITON infrastructure and Full Backup
 2. Start Websense Policy services & TRITON Settings Database
 3. Merge administrator accounts
 4. Start remaining Websense services
 5. Confirm policy migration

■ Demonstration



- Only your administrator accounts & policies migrate across
- Must re-enter your local configuration settings
 - Review all windows under the Settings tab in TRITON - Web Security

The screenshot displays the Websense TRITON Unified Security Center interface. The top navigation bar includes tabs for Web Security, Data Security, and Email Security. The 'Settings' tab is selected and highlighted with a red circle. The interface shows the user is logged in as 'admin' and has the role of 'Super Administrator'. The main content area is titled 'Directory Services' and contains an information box about directory service settings, a list of directory options, and a configuration section for 'Windows Active Directory® (Mixed Mode)'. The directory options are:

- Windows Active Directory® (Mixed Mode)
- Active Directory (Native Mode®)
- Oracle (Sun Java™) System Directory
- Novell™ eDirectory

The 'Windows Active Directory® (Mixed Mode)' section includes the following text and input fields:

In most circumstances, no further configuration is needed for this directory service. If Websense software is unable to connect to your directory service automatically, provide administrative logon information for the directory service here.

Administrative user:

Password:

Domain:

WINS server:

Files not migrated when using PgSetup:

Path	File name
\Program Files\WebSense\bin or /opt/WebSense/bin	authserver.ini
	BrokerService.cfg
	config.xml
	eimserver.ini
	LogServer.ini
	netcache.conf
	securewispproxy.ini
	transid.ini
bin/i18n	i18n.ini
	upf.conf
bin/postgres/data	websense.ini
	WebUI.ini
BlockPages/*/Custom	wsauthserver.ini
	wscitrix.ini
tomcat/conf/Catalina/ Localhost	WSE.ini
	wsedir.ini
Windows\system32	wsradius.ini
	wsufpserver.ini
/etc/wsLib	wsSquid.ini

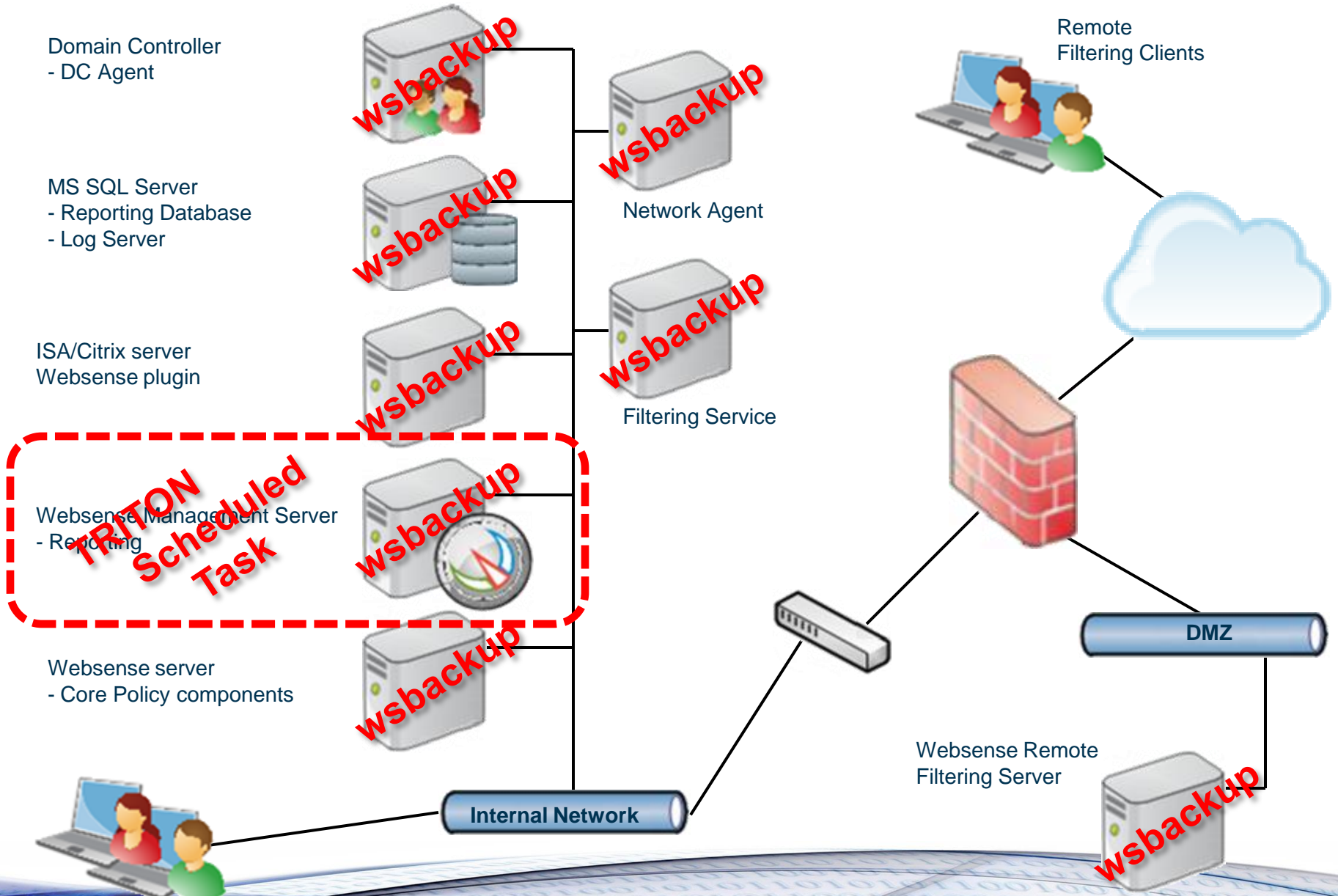
Additional files in Websense **bin** directory:

- dc_config.txt, ignore.txt, natuning.ini

Recreate your favorites and scheduled reports

- The Websense Backup Utility is **wsbackup.exe**
 - Ensure all Websense administrators are logged out
 - Run the backup as **administrator** or **root**
 - Back up each machine that includes Websense components
 - Include integrated servers such as Microsoft ISA and Citrix servers
 - Perform all backups within 30 minutes
- At least two backup types are now required for 7.6
 1. *Web Security Software*
 - Websense Backup Utility (wsbackup.exe) backs up policies, filters, clients, local configuration settings, block pages, ini files, etc.
 2. *TRITON infrastructure*
 - TRITON backup scheduled task backs up administrators, certificates, appliance data, and infrastructure (SQL and SMTP connections).

7.6 Full Backup



7.6 Full Backup

■ Full Web Security backup

– Scheduling a Full Websense Backup example:

- [Websense Web Security Jump Start: Configuration and Setup](#)
- About 42 and a half minutes into the September 2010 Webinar

■ TRITON Infrastructure

– A Windows scheduled backup task is created during installation

■ For backup and restore details

– [Backup and restore FAQ](#)

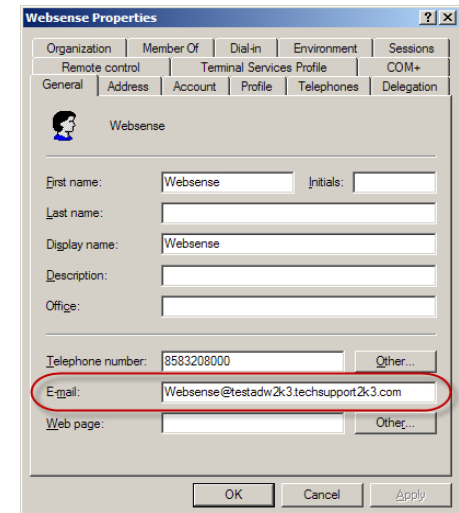
- Full backup restore requirements
 - Same: operating system, IP address, host name, Websense components
 - Backups should be available to restore “all” Websense servers
 - Restore the Policy Database server first
 - Completing restoring all servers within 30 minutes (or ASAP)
- TRITON infrastructure restore requirements
 - Same: operating system, IP address, domain, SQL Server connection
 - To update, select the TRITON Infrastructure Modify link in the Websense Installer
 - For certificate issues, see chapter 59 in the [Deployment and Installation Center](#)

Restoring Websense 7.6

- Install 7.6 fresh and manually input your policies and settings
 - Allows a complete review
 - Policy export option available
- My real-world suggestion
 - If the target server is identical, then restore using a full backup. When complete, then restore the TRITON infrastructure.
 - Run the `wsbackup` restore command
 - Select the TRITON Infrastructure Modify link in the Websense Installer
 - If the target server is **not** identical, then migrate the Policy Database
 - Run the `PgSetup` command
 - Manually re-enter your local settings
 - Policy Database (policy.wsdB) and config.xml are in the compressed wsbackup file
 - Extract the compressed wsbackup file with [7-Zip](#)

■ Demonstration

- Before upgrading or migration to 7.6, your network Websense administrator accounts **require an email address** defined in their account properties
- Before migrating the Policy Database, all Websense services must be running on the destination server without errors
- Add the server IP address to the wsbackup files name
- On 2008 Windows servers
 - When editing config.xml file, open notepad as an administrator
 - Run all DOS commands as an administrator



The screenshot shows the 'Websense Properties' dialog box with the 'General' tab selected. The 'Email' field is highlighted with a red circle. The 'Email' field contains the text 'Websense@testadw2k3.techsupport2k3.com'. Other fields include 'First name' (Websense), 'Last name', 'Display name' (Websense), 'Description', 'Office', 'Telephone number' (8583208000), and 'Web page'. The 'OK', 'Cancel', and 'Apply' buttons are visible at the bottom.

- Running stat of Websense services
 - PgSetup & wsbackup will start the *Websense Policy Database* service
 - The TRITON Backup Task does “not” start The *Websense TRITON Settings Database* service for backing up the TRITON infrastructure
- Do not install Websense on a domain controller

- Recommended migration via a standard upgrade method
- How to migrate 7.1 and 7.5 policies to 7.6
- Deployment and Installation Center
 - System requirements (chapter 2)
 - Changing TRITON Manager IP address, name, etc. (chapter 59)
- Backup and restore FAQ
- Websense 7.6 service stop and start batch files

Knowledge Base

- Search or browse the knowledge base for documentation, downloads, top knowledge base articles, and solutions specific to your product.

Support Forums

- Share questions, offer solutions and suggestions with experienced Websense Customers regarding product Best Practices, Deployment, Installation, Configuration, and other product topics.

Tech Alerts

- Subscribe to receive product-specific alerts that automatically notify you anytime Websense issues new releases, critical hot-fixes, or other technical information.

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- Create and manage support service requests using our online portal.

Webinar Update

Title: **Using Integrated Windows Authentication
with Websense Content Gateway, v7.6**

Date: **August 17th, 2011**

Time: **8:00 A.M. PDT (GMT -7)**

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