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Is my site ready for upgrade to v7.6?

6 answers in 6 minutes

Web Filter and Web Security
Web Security Gateway
Web Security Gateway Anywhere

web security | data security | email security

6 answers in 6 minutes

- *Can I upgrade in place, same hardware and OS?*
- *Can I use the same DBMS?*
- *Does my management server have enough resources?*
- *How do I move my settings/policies/customers?*
- *Which sequence is best for upgrading?*
- *How long does an upgrade take?*
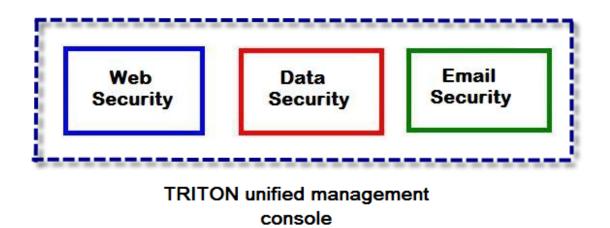
6 answers in 6 minutes

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- Windows servers now use TRITON Unified Installer.
  - Version 7.6 introduces a single installer for Websense Web Security and Data Security, and for management and reporting components.
  - Websense Content Gateway, a Linux-only component, continues to be installed separately.

- 2GB required for temporary installation files.

- Before upgrade, patch any Windows 2003 servers with Microsoft Hotfix for large installers:
  Microsoft KB925336
  (http://support.microsoft.com/kb/925336)

New unified management server

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TRITON unified management
console

- TRITON console on Windows serves all modules. *Browser-based console.*

- TRITON console for Web Security available on V-Series appliance.

- *WebsenseAdministrator* no longer default administrator account.

- Default account (full permissions in all modules) is ***admin.***

Which OS for TRITON console?

- ## Which Windows OS for manager machine?
  - If you use one product only:
    Web Filter, Web Security, or Web Security Gateway
    - Windows Server 2003 R2 32-bit
    - Windows Server 2008 32-bit
    - Windows Server 2008 R2 64-bit

  - If you use two or more product modules:
    Web Security and Data Security,
    Email Security (uses Data Security components), or
    Web Security Gateway Anywhere
    - Windows Server 2008 R2 64-bit

TRITON unified console

	Windows Server 2003 R2 32-bit	Windows Server 2008 32-bit	Windows Server 2008 R2 64-bit	V-series appliance
TRITON – Data Security	✓		✓	
TRITON – Web Security	✓	✓	✓	✓
TRITON – Email Security			✓	

- Where will your TRITON management console reside?
  - *Decide before upgrading*
  - Best practice: provide a dedicated 64-bit server

Which OS for filtering components?

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- Web Filter and Web Security v7.6 components support the following operating systems, with a few exceptions:
  - Windows Server 2003 32-bit
  - Windows Server 2003 R2 32-bit
  - Windows Server 2008 32-bit
  - Windows Server 2008 R2 64-bit
  - Red Hat Enterprise Linux 4
  - Red Hat Enterprise Linux 5

- Web Security Gateway v7.6 core components run also on Websense V-Series appliances.

- Websense Content Gateway module is certified on:

    Red Hat Enterprise Linux 5 series, updates 3, 4, and 5, base or Advanced Platform (32-bit only)

Which OS for filtering components?

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These Web Security components are Windows only:

- Linking Service
- Log Server
- DC Agent
- Real-Time Monitor (new)

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Reporting

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- ## SQL Server database is required
  - v7.6 adds support for Microsoft SQL Server 2008 R2 Express.
  - If you use SQL Server 2008 R2 Express, you must install it with the Websense installer.
  - *Replaces support for MSDE. MSDE support is discontinued. Back up Log Database prior to upgrade, for later import.*

- ## TRITON management server now supports
  - On-box: SQL Server 2008 R2 Express
  - Off-box: SQL Server 2008 R2 Express / SQL Server 2008 R2
  - Off-box: SQL Server 2005 (stand-alone Web Filter and Web Security)

- ## TRITON console requires SQL Server connection info
  - Supported SQL Server engine **must be** installed and running prior to v7.6 upgrade/install.

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Manager hardware requirements

Minimum requirements depend on whether SQL Server 2008 R2 Express is installed on the management server (local database) or SQL Server is installed on another server (remote database).

With local reporting database:

TRITON console modules	Minimum Requirements
TRITON - Web Security	4 CPU cores (2.5 GHz), 4 GB RAM, 100 GB Disk Space
TRITON - Data Security	4 CPU cores (2.5 GHz), 8 GB RAM, 240 GB Disk Space
TRITON - Web Security and Data Security	4 CPU cores (2.5 GHz), 8 GB RAM, 240 GB Disk Space

Manager hardware requirements

Minimum requirements depend on whether SQL Server 2008 R2 Express is installed on the management server (local database) or SQL Server is installed on another server (remote database).

With remote reporting database:

TRITON console modules	Minimum Requirements
TRITON - Web Security	4 CPU cores (2.5 GHz), 4 GB RAM, 7 GB Disk Space
TRITON - Data Security	4 CPU cores (2.5 GHz), 8 GB RAM, 140 GB Disk Space
TRITON - Web Security and Data Security	4 CPU cores (2.5 GHz), 8 GB RAM, 146 GB Disk Space

6 answers in 6 minutes

- *Can I upgrade in place, same hardware and OS?*
- Can I use the same DBMS?
- *Does my management server have enough resources?*
- How do I move my settings/policies/customers?
- *Which sequence is best for upgrading?*
- *How long does an upgrade take?*

Keeping my settings and policies

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- Upgrade directly
  - From v7.1.x and v7.5.x Web Filter
  - From v7.1.x and v7.5.x Web Security
  - From v7.5.x Data Security.
  - Preserves most of your custom settings/policies.
  - Use the TRITON unified installer to upgrade all Windows components.
  - See online *Deployment and Installation Center* for detailed upgrade paths for prior versions.
- v7.0.1 Web Security upgrades require additional attention, due to localization.

6 answers in 6 minutes

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Upgrade sequence

1. Back up all files, including Log Database.

   How do I back up my Websense filtering configuration?

   How To Back Up And Restore v7.x Policy Database

2. Review Release Notes for v7.6.

3. Prepare server(s) as needed.

4. Install and launch supported SQL Server engine.

5. Use TRITON unified installer (or appliance patch) to upgrade core components.

   Policy Broker, Policy Database, Policy Server(s), Filtering Service(s)

   Receive a prompt to remove existing Web Security manager if needed

6. Upgrade secondary components.

7. If used off appliance, update Content Gateway.

8. Upgrade or install TRITON console.

Best Practice software deployment

- Server one (64-bit)
  - Policy Broker, Policy Database, Policy Server, Usage Monitor, User Service, Filtering Service, Network Agent, user ID agents
- Server two (64-bit)
  - TRITON Unified Security Center, Log Server, Real-Time Monitor, Sync Service, Linking Service
  - SQL Server 2008 R2 Express (small environments only)
- Server three
  - Full SQL Server should be available and running elsewhere in the network.
- Server four (Linux, when Content Gateway in use)
  - Red Hat Enterprise Linux 5 series, Update 3, or later
- Note
  - For very large networks, provide dedicated server for each Network Agent, Filtering Service, and Log Server (Network Agent uses most resources).

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Allowing adequate upgrade time

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- Review the Release Notes for your products, and flag the known issues that may affect your site. (20 to 45 minutes)
- Allocate time for server and file backups. (1 to 3 hours)
- Allocate time to upgrade the SQL Server DBMS, if needed.
- Allocate time for Windows OS upgrades.
- Perform the v7.6 upgrade when network use is at its minimum.
  – Websense software module upgrades require approximately 45 minutes per server.
  – Appliance patch requires approximately 60 minutes per appliance.
  – Master Database download requires approximately 30 minutes.
  – TRITON management console settings require approximately 45 minutes for post-upgrade adjustment and final checks. Review the known issues that you flagged to be of interest to your site.

Questions?

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- [v7.6 Upgrade Center](#)

- Release Notes for Websense Web Security v7.6
  - Identifies resolved and known issues
  - Highlights new features and new console settings
  - Quick reference for system administrators

- [v7.6 Deployment and Installation Center](#)

- [Upgrading Quick Start guide](#) for Web Filter & Web Security