WSUS clean-up task, Office 365 Updates option and synchronization, Multiple ADR deployment in SCCM

Perform WSUS maintenance

If you are using Configuration Manager current branch version 1906 or later versions, we recommend that you enable the **WSUS Maintenance** options in the software update point configuration at the top-level site to automate the cleanup procedures after each synchronization. It would effectively handle all cleanup operations described in this article, except backup and reindexing of WSUS database. You should still automate backup of WSUS database along with reindexing of the WSUS database on a schedule.

Perform WSUS maintenance

The basic steps necessary for proper WSUS maintenance include:

- Back up the WSUS database
- Create custom indexes
- Reindex the WSUS database
- Decline superseded updates
- Run the WSUS Server Cleanup Wizard

Create Custom Indexes (WSUS Maintenance):

- **Optional but recommended** to improve performance during cleanup.

- In **SCCM 1906 or later**, simply enable the **"Add non-clustered indexes to the WSUS database"** option in the **Software Update Point (SUP)** settings at the top-level site.

- For **older SCCM versions or standalone WSUS**, do the following:

  1. **Back up the SUSDB** before making any changes.

2. Use **SQL Server Management Studio (SSMS)** to connect to SUSDB.

3. Run the provided SQL script to create two non-clustered indexes:

    ☐ On tbLocalizedPropertyForRevision

    ☐ On tbRevisionSupersedesUpdate
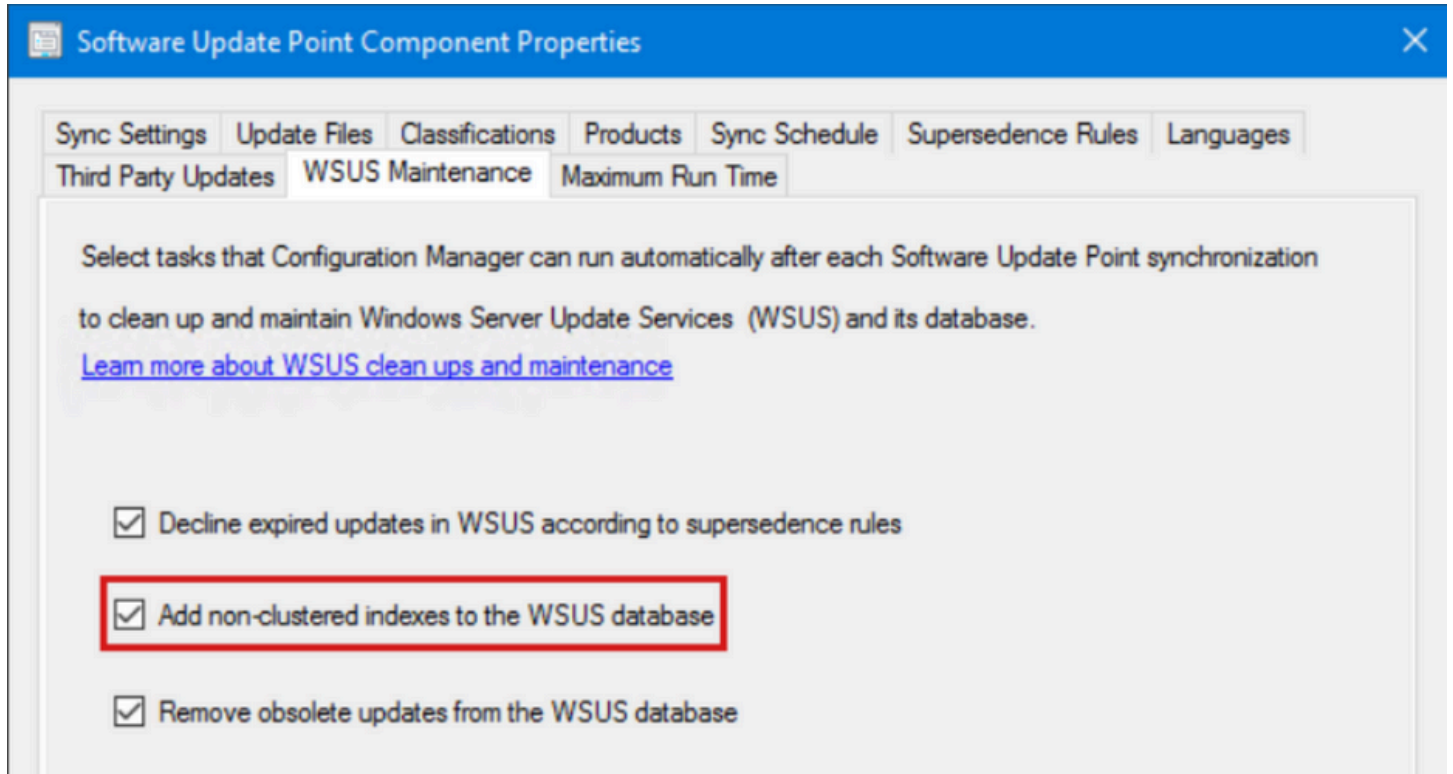
● If the indexes already exist, running the script again will return an error message indicating that the index already exists. This is expected and safe.

Run the WSUS Server Cleanup Wizard

WSUS Server Cleanup Wizard provides options to clean up the following items:

- · Unused updates and update revisions (also known as Obsolete updates)
- · Computers not contacting the server

- · Unneeded update files
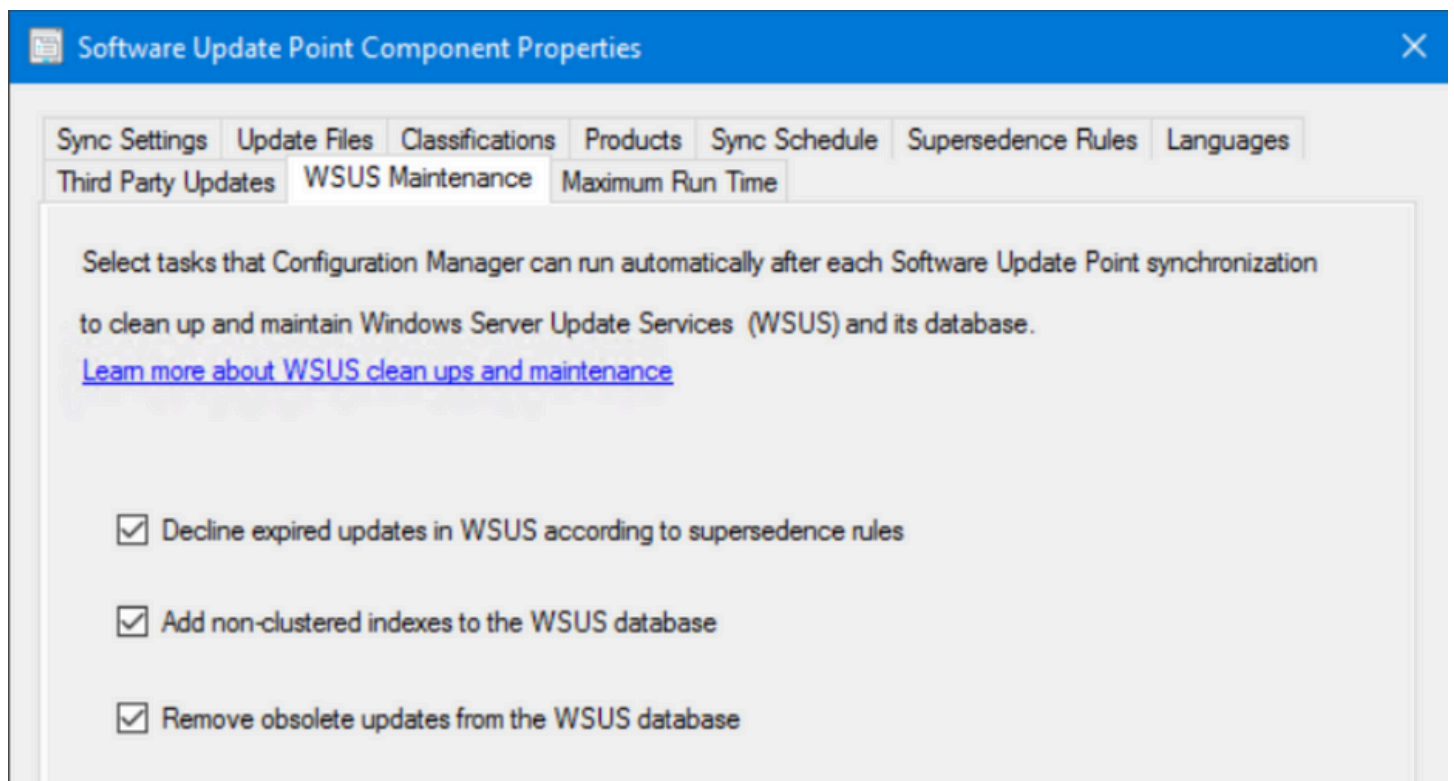- · Expired updates
- · Superseded updates
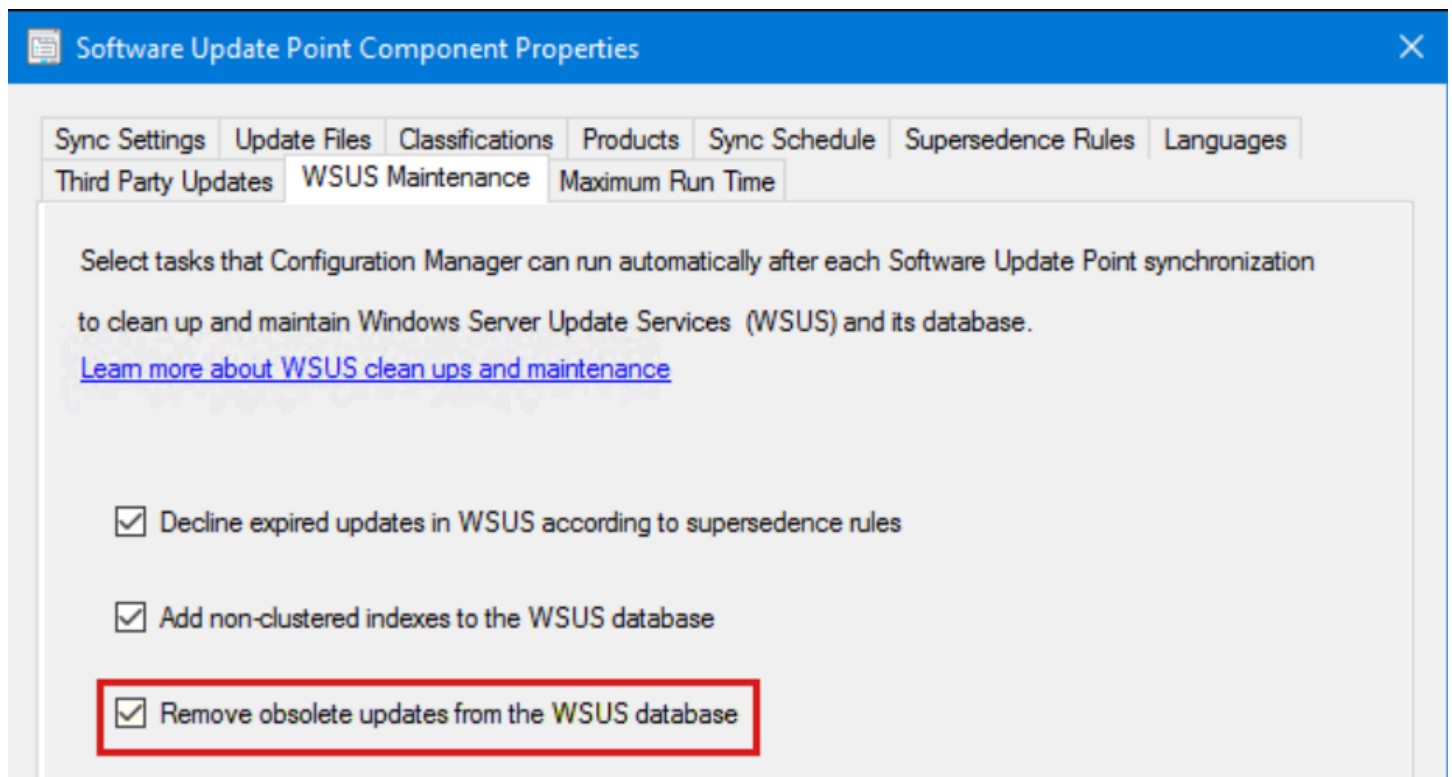
- In a **Configuration Manager** environment:
  - The **"Computers not contacting the server"** and **"Unneeded update files"** cleanup options in WSUS are **not relevant**, because Configuration Manager manages:
    - Software update content
    - Devices
- These two WSUS cleanup options only become relevant if **either** of the following options are selected under **Software Update Sync Settings**:
  - **Create all WSUS reporting events**
  - **Create only WSUS status reporting events**
- If one of these options is selected, it is recommended to **automate WSUS Server Cleanup** to handle:
  - Cleanup of **Computers not contacting the server**
  - Cleanup of **Unneeded update files**
- If you are using **Configuration Manager current branch version 1906 or later**:

- Enabling **"Decline expired updates in WSUS according to supersedence rules"**:
  - Automatically declines:
    - **Expired updates**
    - **Superseded updates**
  - Based on supersedence rules defined in Configuration Manager
- Enabling **"Remove obsolete updates from the WSUS database"**:
  - Cleans up:
    - **Unused updates**
    - **Update revisions (Obsolete updates)**
- It is **recommended to enable both options** in the **Software Update Point configuration** at the **top-level site**, to allow Configuration Manager to **automatically clean up the WSUS database**.

WSUS Maintenance (SCCM 1906 and Later):

In SCCM version 1906 and above, enabling WSUS maintenance in the Software Update Point (SUP) settings automates most cleanup tasks after each sync. However, **WSUS database backup and reindexing must still be done manually or on a schedule.**

Software Update Point Component Properties

Sync Settings | Update Files | Classifications | Products | Sync Schedule | Supersedence Rules | Languages
Third Party Updates | WSUS Maintenance | Maximum Run Time

Select tasks that Configuration Manager can run automatically after each Software Update Point synchronization to clean up and maintain Windows Server Update Services (WSUS) and its database.

Learn more about WSUS clean ups and maintenance

☑ Decline expired updates in WSUS according to supersedence rules

☑ Add non-clustered indexes to the WSUS database

☑ Remove obsolete updates from the WSUS database

Important Considerations for WSUS Maintenance:

● If you're using **SCCM 1906 or later** with maintenance features enabled, **manual cleanup is not needed**—Configuration Manager handles it after each sync.

● **Read all instructions carefully** before starting any manual maintenance.

● In WSUS hierarchies, updates sync from **top to bottom**, but **cleanup should start from the bottom** and move upwards.

● You can perform maintenance **simultaneously on servers in the same tier**, but complete one tier before moving to the next.

● Perform **cleanup and reindexing on all WSUS servers**, even replicas.

● **Disable SUP synchronization** during maintenance to avoid losing progress.

● If multiple SUPs don't share the same SUSDB, treat the one syncing with Microsoft Update as **Tier 1**, and others as **lower tiers** for cleanup order.