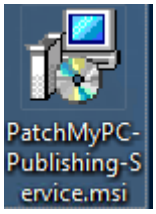
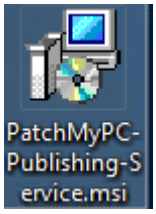
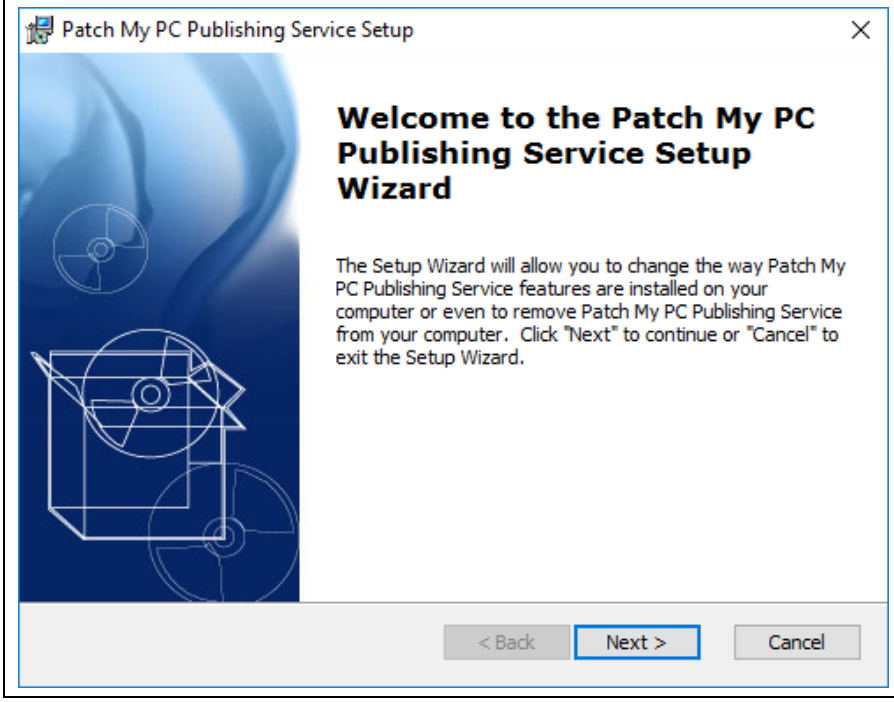
Publishing Service Setup Guide

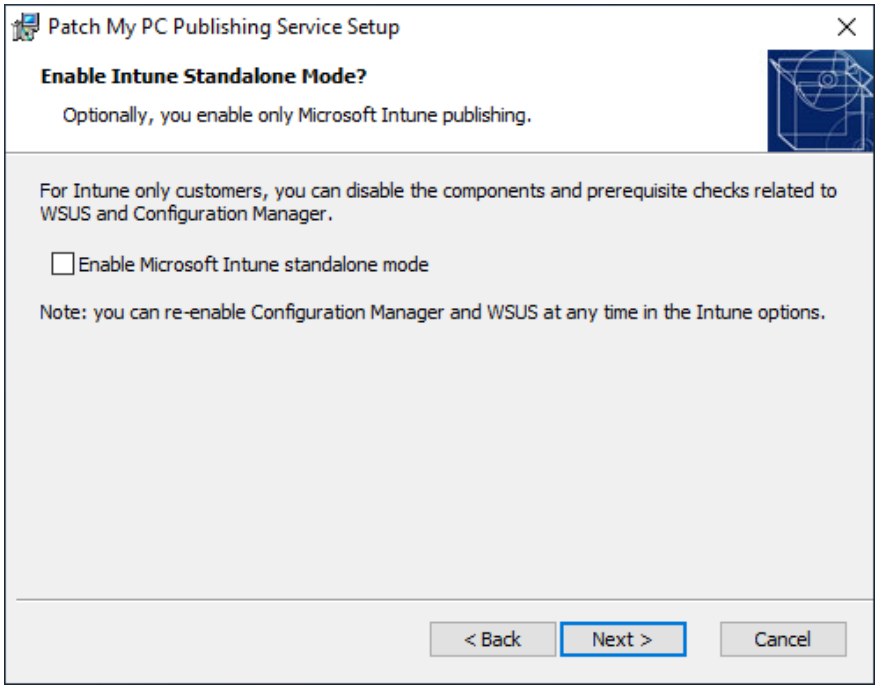
Document Versions:

Date	Version	Description
May 07, 2018	1.0	Initial Release
July 08, 2018	1.1	New Features Included
September 30, 2018	1.2	New Features Included
February 14, 2019	1.3	New Features Included
April 10, 2019	1.4	New Features Included
July 12, 2019	1.5	Application Feature Included
February 07, 2020	1.6	New Features Included
March 03, 2020	1.7	User Interface Changes
February 19, 2021	1.8	ConfigMgr Console Req

System Requirements:

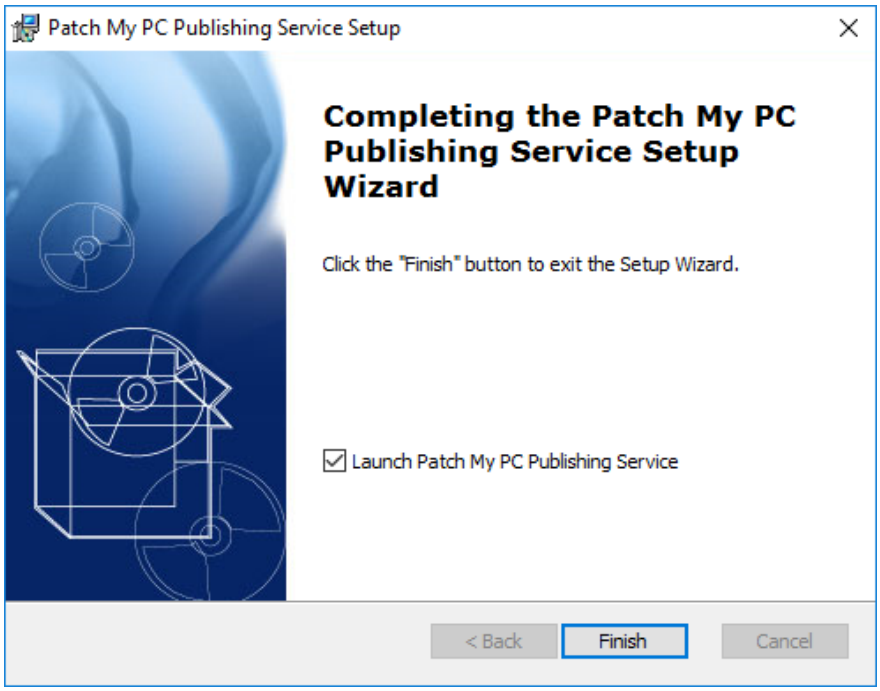
- **Must be Installed on top-most WSUS/SUP**
- **Microsoft .NET Framework 4.5**
- **Supported Operating Systems**
  - **Windows Server 2008**
  - **Windows Server 2008 R2**
  - **Windows Server 2012**
  - **Windows Server 2012 R2**
  - **Windows Server 2016**
  - **Windows Server 2019**
- **If using WSUS 3.0 SP2 (Server 2008/2008 R2), you should install KB2938066 on all WSUS servers in your environment.**
- **If using ConfigMgr features, the ConfigMgr Console should be installed**

	**Download** the latest **MSI installer** of the publishing service using the following URL: **https://patchmypc.com/publishing-service-download**
	Start the installation by **double-clicking** the downloaded MSI. **Note:** Depending on user account control settings, you may need to run an elevated command prompt and launch the MSI from the command prompt.
	Click **Next** in the **Welcome Wizard** Click **Next** in the **Installation Folder Dialog** **Optionally,** you can change the installation folder by clicking **Browse…** Click **Install** on **the Ready to Install** dialog. **Note:** if user-account control is enabled, you will receive a prompt "**Do you want to allow this app to make changes to your device?**" Click **Yes** on this prompt to allow installation



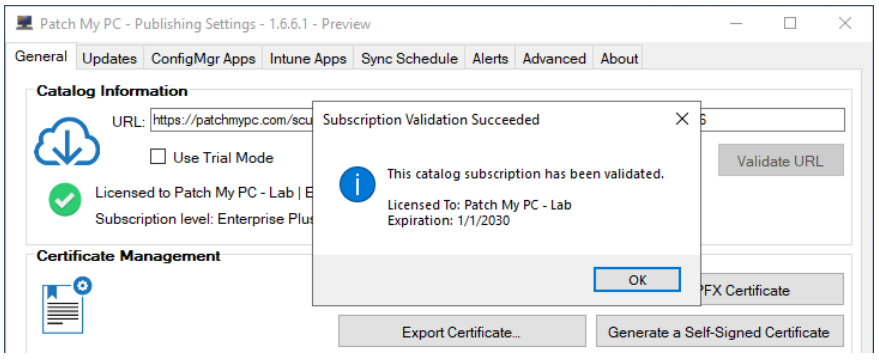
If you are configuring the product for **Microsoft Intune Win32 application publishing only**, you should review our separate [installation guide for Microsoft Intune].

For a Configuration Manager setup, leave the checkbox **Enable Microsoft Intune standalone mode** un-checked.



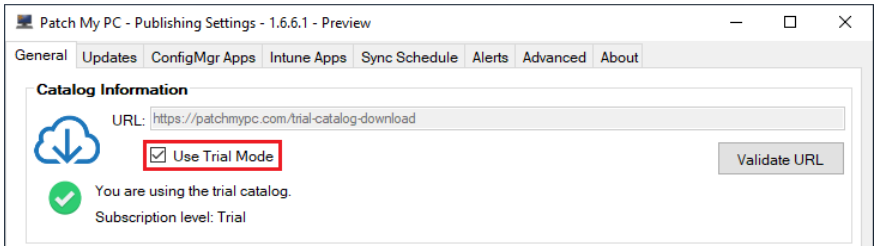
Leave the "**Launch Patch My PC Publishing Service**" **checked** then click **Finish**.

Note: if user-account control is enabled, you will receive a prompt "**Do you want to allow this app to make changes to your device?**" Click **Yes** on this prompt to allow installation



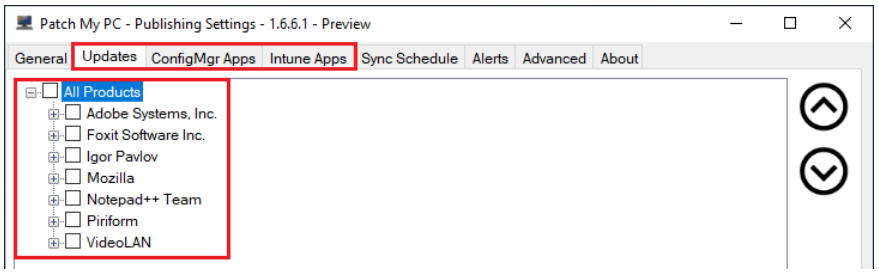
If you already **purchased a license or have a 30-day full trial**, paste your catalog URL and click the **Validate URL** button.

Access to [https://patchmypc.com] is required. If required, configure a web proxy in the **Advanced tab** first. For activation errors, please review [Troubleshooting License Activation Issues]



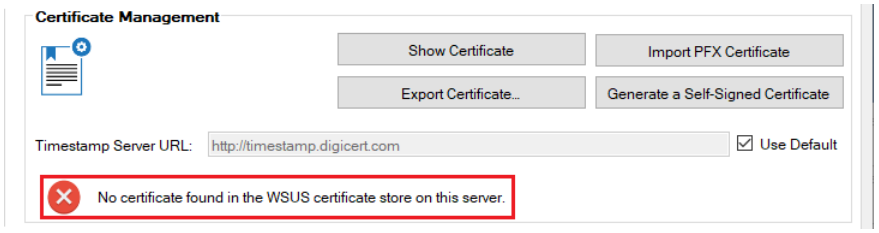
If you want to configure the publishing service in **public trial mode**, **click** the "**Use Trial Mode**" checkbox.

Click **Yes** on the prompt **to enable trial catalog mode**



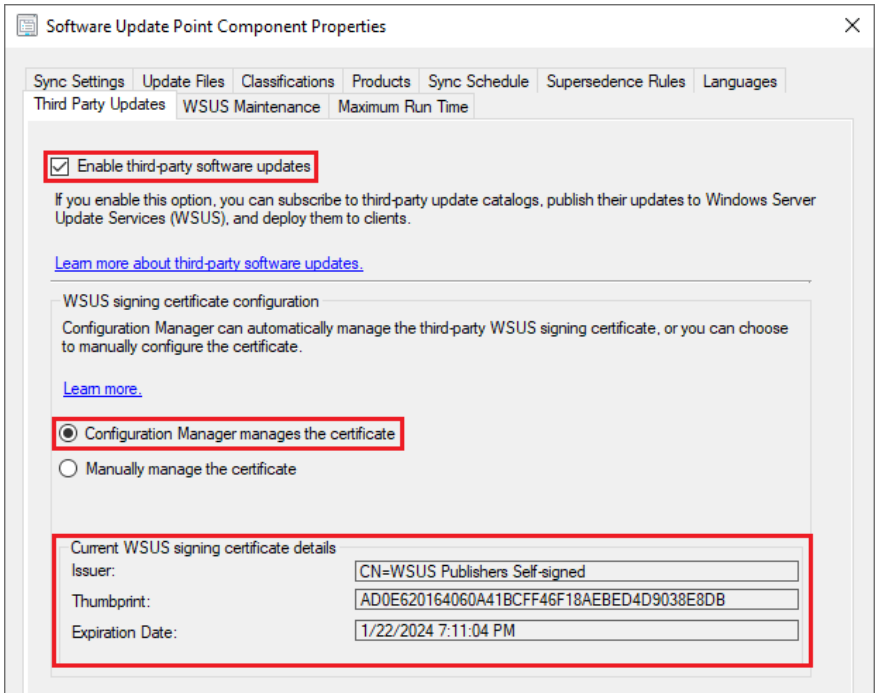
When the **public trial mode** is enabled, the "**Updates**" "**ConfigMgr Apps**" and "**Intune Apps**" tab will filter to only show products available from the [public trial catalog](#).

Note: If you need all products for evaluation purposes, please [submit the full-trial request form](#).



To publish software updates to WSUS, A **WSUS signing certificate (Code-Signing) must be configured**.

The certificate can be **self-signed** or **issued** by a **third-party** or even **internal certificate authority**.

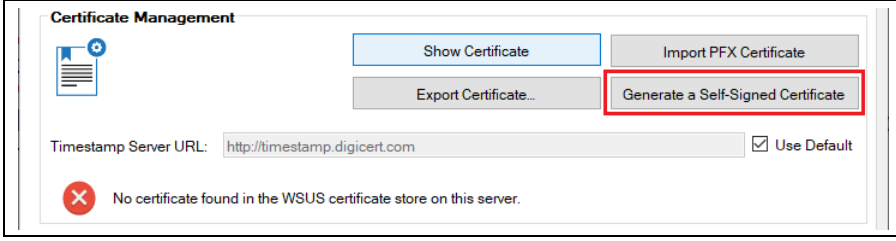


Certificate Option 1 - SCCM Managed:

If you are running [SCCM 1806](#) or newer, you can enable the option for "[Configuration Manager manages the certificate](#)". If enabled, **SCCM will automatically generate** the **signing certificate during the next software update point sync**. You can **monitor wscyncmgr.log** to see it created.

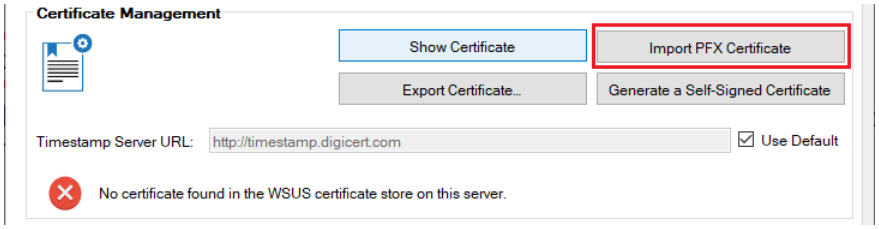
You will need to **reopen** the **publishing service** after SCCM creates the certificate for the certificate validation.

Note: if your **software update point** is **remote from the site server**, [WSUS needs to be configured in HTTPS](#).

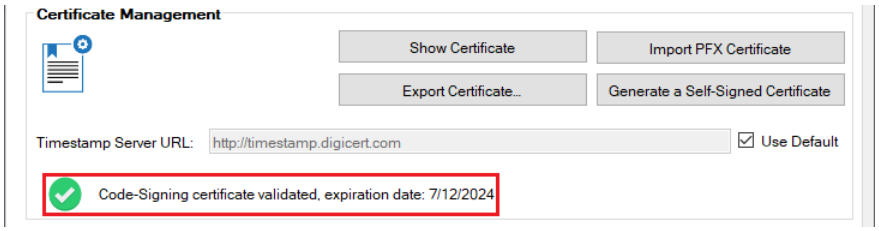
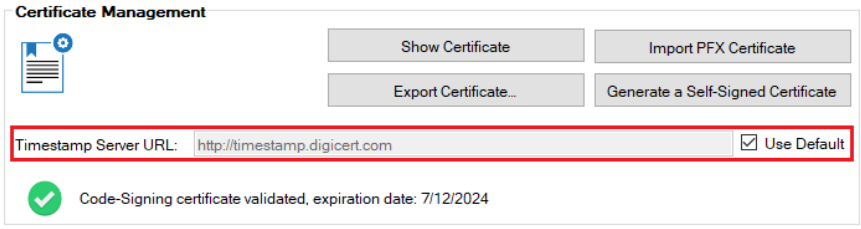


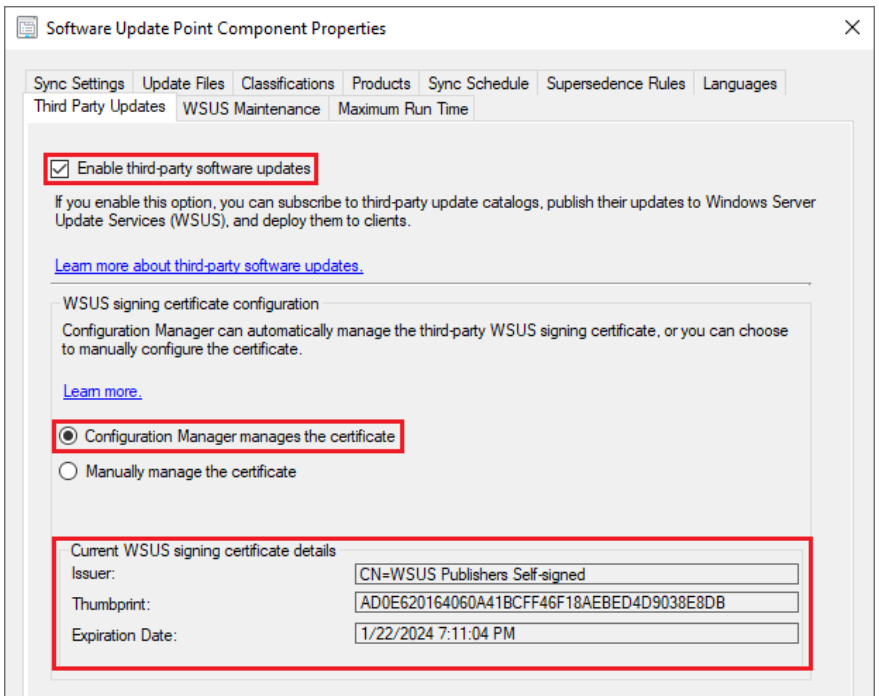
Certificate Option 2 - Self-Signed:

To **use a self-signed certificate**, **Click** the "**Generate a Self-Signed Certificate**" **button, then** click "**OK**".

<table>
<tr>
<td> 
</td>
<td>Certificate Option 3 - PKI:

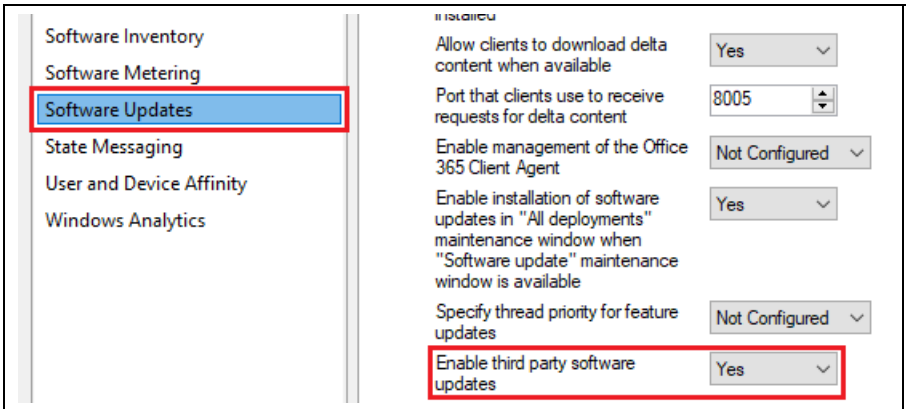
If you want to use a publicly created code-signing certificate, Click the “Import PFX Certificate” button and follow any password prompts.

Note: We have a detailed PFX certificate guide available here</td>
</tr>
<tr>
<td> 
</td>
<td>The catalog status image should show a green checkbox and display the code-signing certificate’s expiration date.</td>
</tr>
<tr>
<td> 
</td>
<td>We use DigiCert for timestamping published third-party software updates.

If you want to use a different timestamping server, you can un-check Use Default and enter your desired timestamping HTTP Server URL.</td>
</tr>
<tr>
<td> 
</td>
<td>For clients to install third-party updates, they must trust the code-signing certificate.

If you enabled the option Configuration Manager manages the certificate from the previous step, your SCCM clients would automatically trust the WSUS signing certificate.

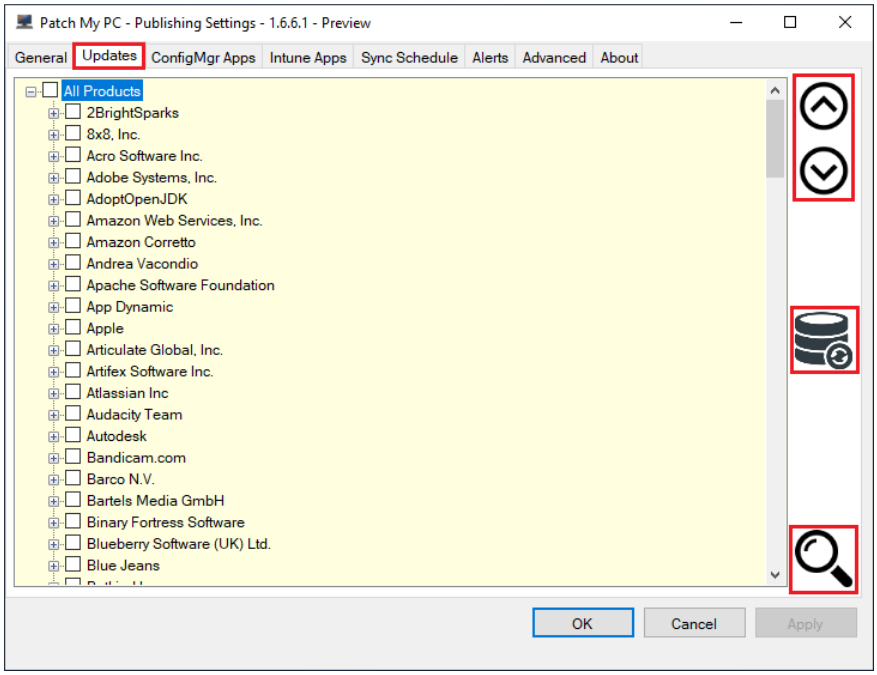
If you aren’t on SCCM 1806+ or can’t enable this option due to HTTPS requirements if your SUP is remote from the site server, you need to follow our supplemental guide here for deploying the WSUS signing certificate and trusted third-party update using GPO.</td>
</tr>
</table>



For clients to **install third-party updates**, they must **also have a policy enabled to trust third-party updates**.

If you are running **SCCM 1802+**, set the client setting to "**Enable third party updates = Yes"**.

If you aren't on **SCCM 1802+**, **you need to follow** our [supplemental guide for deploying the GPO](#)**.**



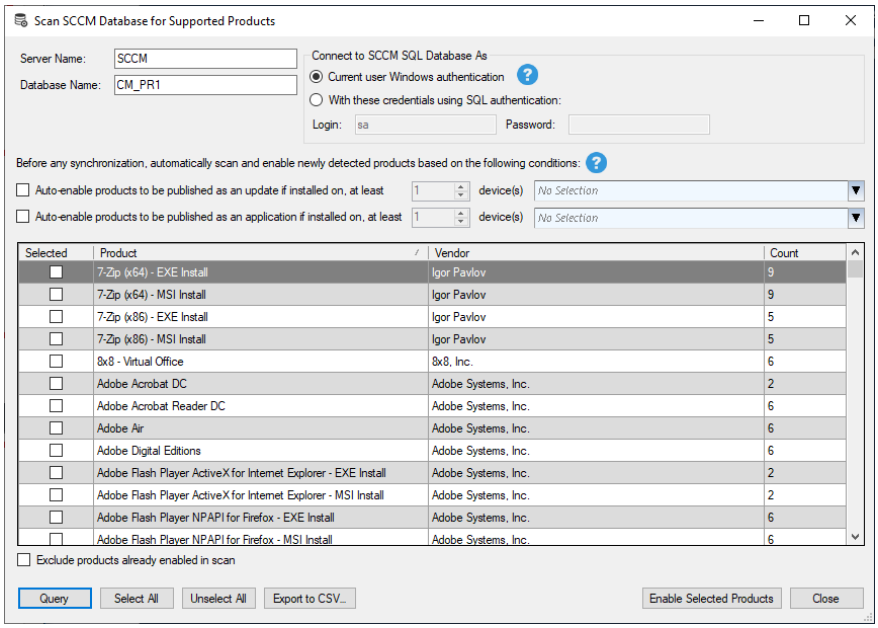
Click the **Update** tab to enable products for software update publishing.

Arrows can be used to expand or collapse products.

Database Search can be used to scan SCCM products already installed product and enable detected products.

Search can be used to find products and vendors by name

Note: when the **trial mode** is enabled, you will only see a subset of products.

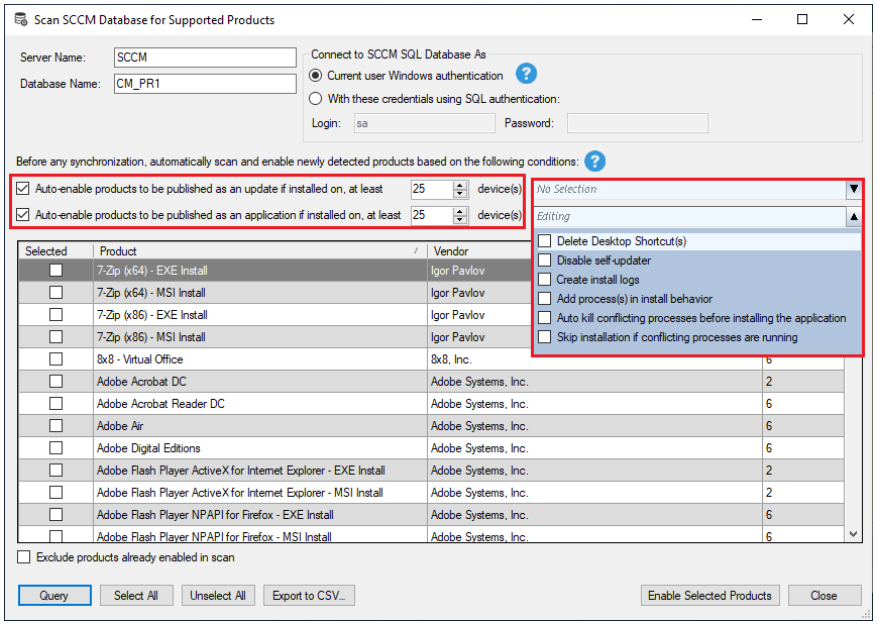


If using the **scan SCCM feature**, you need to provide the **SCCM database server name** and **database name**.

Click **Query** to start the search then **choose the products** you want to **enable for publishing** by clicking **Enable Selected Products** or **Cancel**.

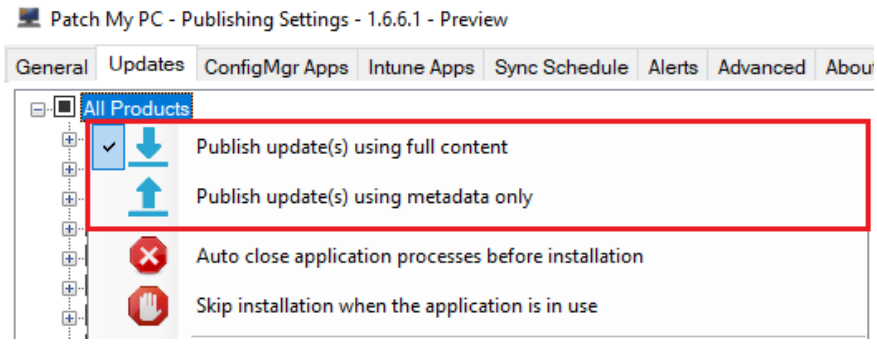
You can also click the **Export** button if you want to **export the list of detected products** to a CSV.

Note: this requested the user to have **db_datareader** rights in SQL to the SCCM database.



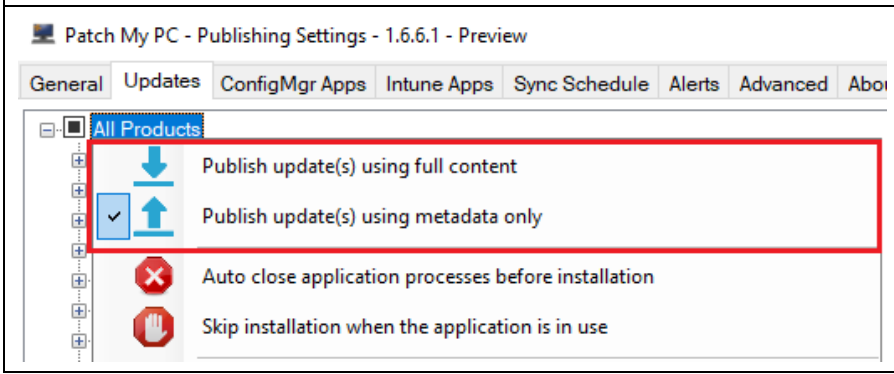
You can configure **scanning of products** for **software updates** or **applications** to automatically enabled before any synchronization based on the product(s) being detected on a certain number of devices in Configuration Manager based on **hardware inventory**.

Auto-enabling detected products is helpful when new products are added to the catalog, and you don't want to enable products within the publisher manually.



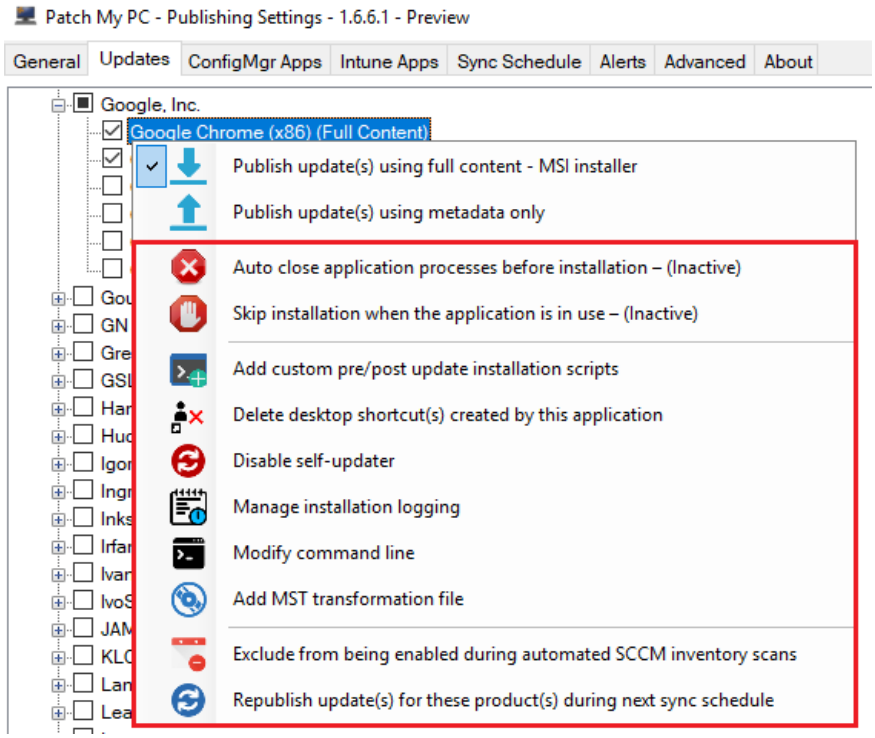
You can **right-click** "**All Products**" or specific "**Vendor/Product" and toggle** between **Metadata** and **Full Content**.

Full Content – publishes the full content of the update to WSUS. Full-content includes **metadata** and the **update binaries** and is **required to download and deploy the update in WSUS/SCCM**.



Metadata only – publish only the metadata; update binaries are not published.

Metadata only allows you to view the **compliance details** in **SCCM/WSUS** for the update, but you will be unable to deploy unless it's **re-published with full-content**.



Auto Kill: application processes will be auto-closed before the update installs.

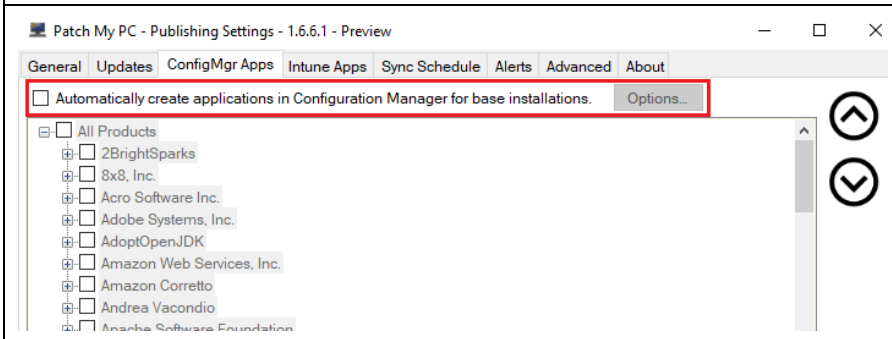
Skip Update: skip an update if the app is running, will retry at next software update deployment and eval cycle.

Pre/Post Scripts: run your own custom pre/post scripts for a product.

Command Lines: add custom command lines when needed.

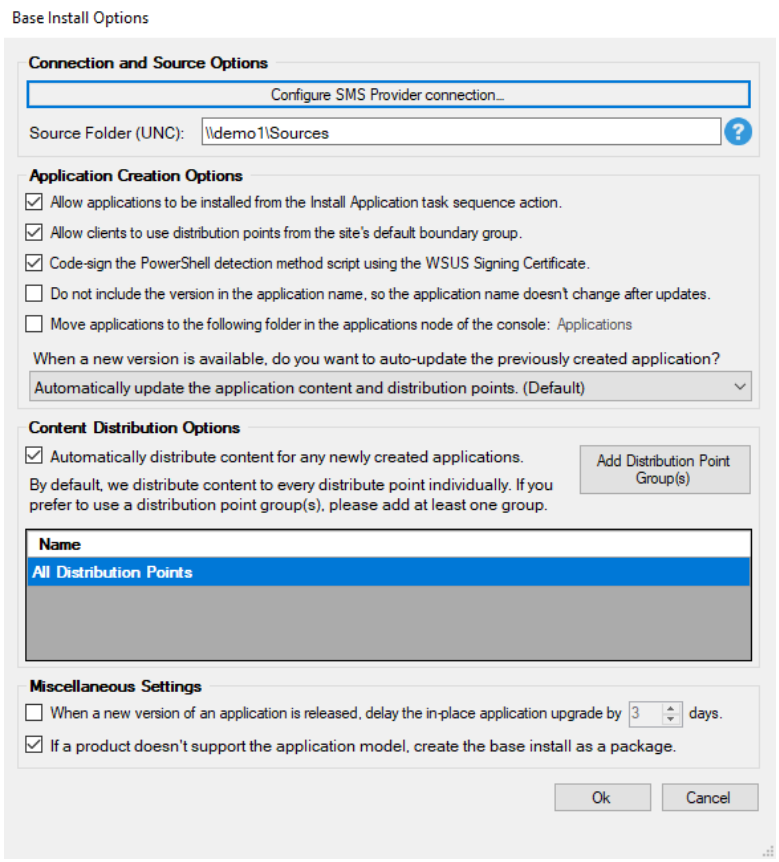
Republish Update(s): see [When, Why, and How to Republish Update(s)]

For a **detailed description** of each right-click option, please see [Custom Options Available for Third-Party Updates and Applications]



For the [Enterprise Plus] subscription, you can enable the option to create SCCM applications in the **ConfigMgr Apps** tab.

These applications can be deployed using existing SCCM deployment methods like **collection deployments** and **task sequences**.



If you enable the option **Automatically create applications**, you will need to click the **Options** button to configure additional options required for application creation.

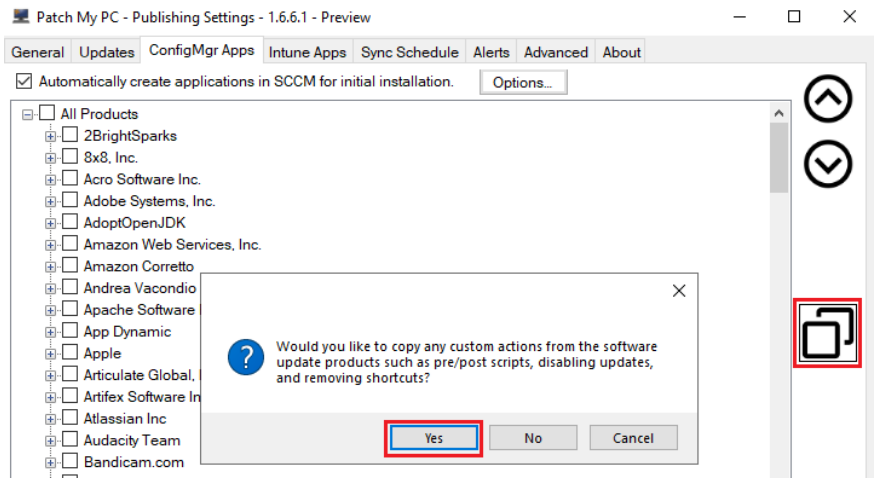
SMS Provider Server: The server name of your SMS Provider.

Source Folder (UNC): The network path used for application source files. The service will create a subfolder named Applications in the root of the path defined. Application content will be created in a <Vendor>\<Product>\<ID> structure.

Application Creation Options: Application attributes that you can configurable.

Content Distribution Options: Options for automatic content distribution.

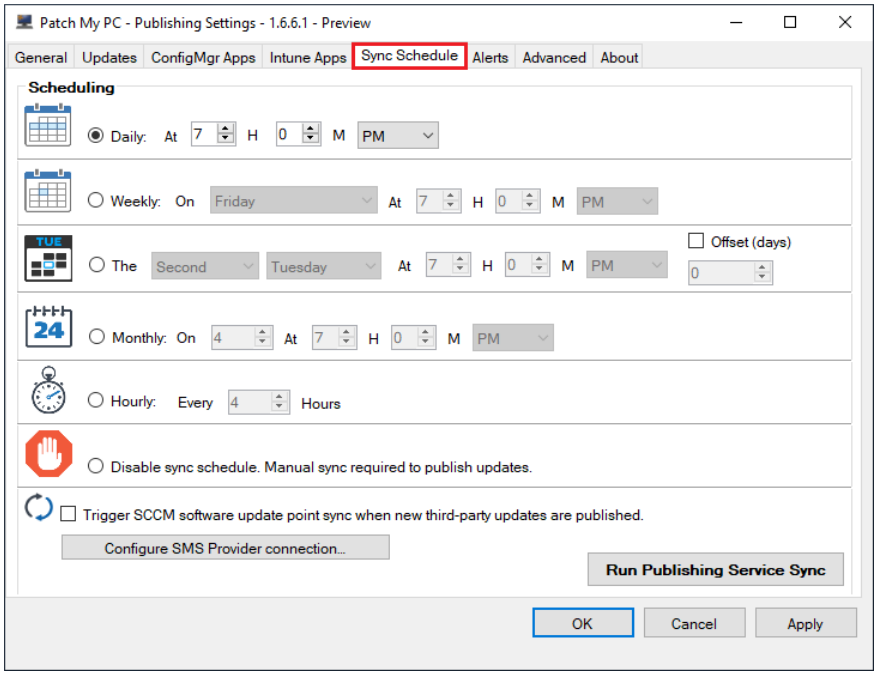
Detection Method: The application's detection method uses a PowerShell script. The script is signed using the WSUS Signing Certificate by default. The **PowerShell execution** must allow **AllSigned** scripts.



Optionally, you can **automatically enable products** in the **Applications** tab that you previously enabled in the **Updates** tab by clicking the **Copy icon**.

You can also choose whether you want to copy any **custom right-click options** enabled in the Update Rules products by using the Yes or No dialog prompt.

You can review the following [supplemental video guide] for enabling the base installation feature within the publishing service.

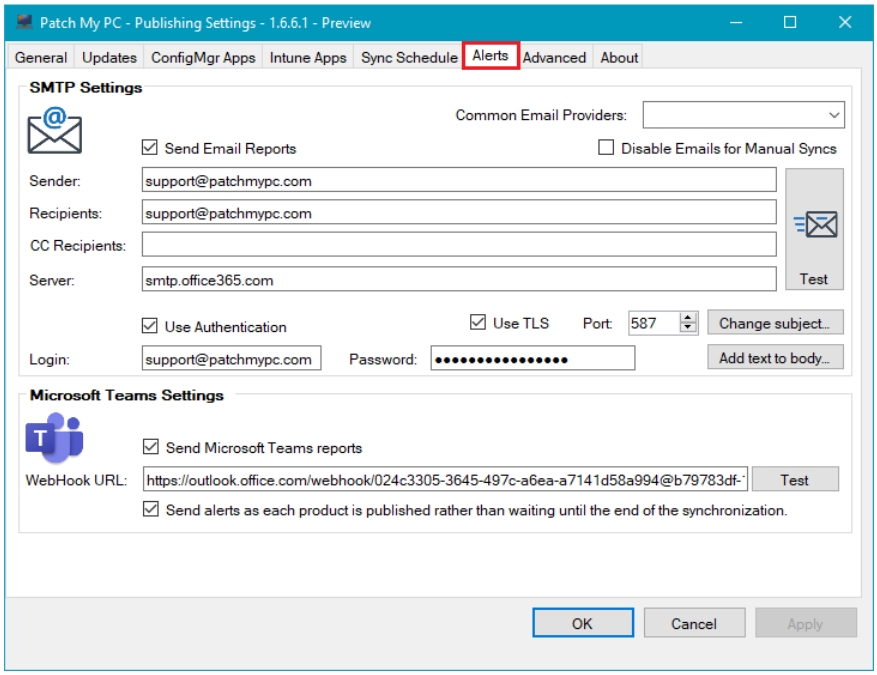


Click the **Sync Schedule tab** and adjust the schedule as needed.

The **scheduling time** is when the publishing service will download the latest catalog metadata and **auto-publish new updates** and **applications** for **enabled products.**

The **default schedule** is **Daily** at **7 PM**

You can also configure the publishing service to **sync the SCCM software update point** if **new third-party updates are published** (Requires SUP to be co-located on the site server).

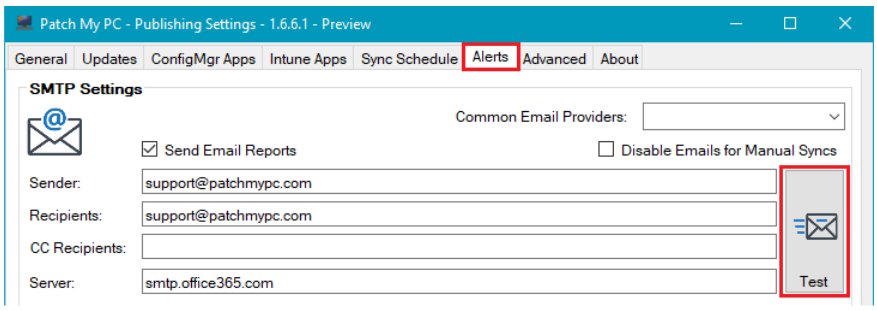


Optionally, you can enable **Notifications** in the **Alerts** tab.

To enable Email reports, click **Send Email Reports** and configure your SMTP sending options.

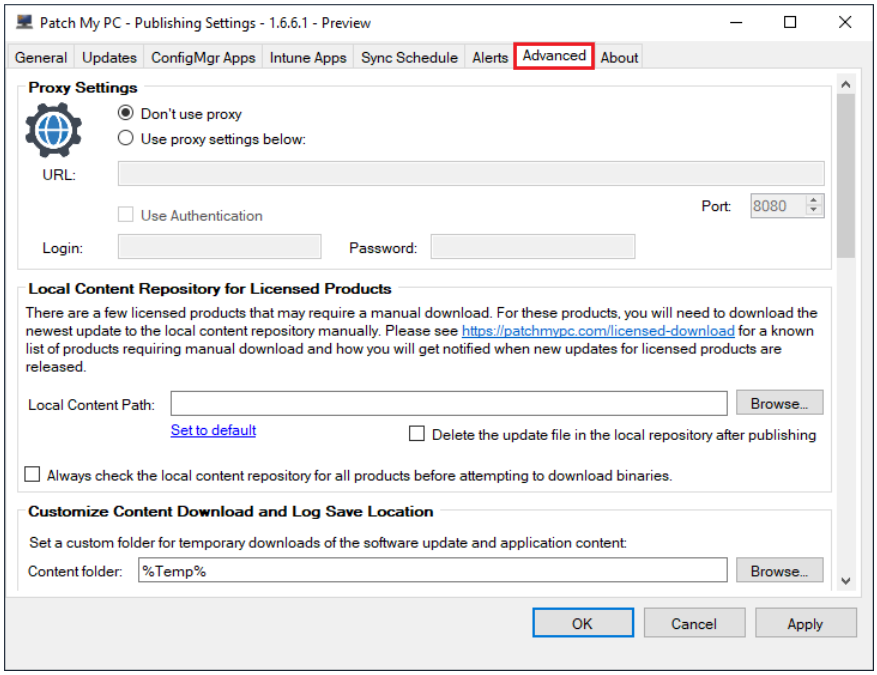
You can also paste a **Microsoft Teams webhook** to receive publishing alerts in a Microsoft Teams channel. See [Sending messages to connectors and webhooks] for more details.

We highly recommend enabling email reports, when emails are enabled, you will receive an email about any newly published updates **including Titles, Classification, Severity, CVE-ID's, Catalog Expiration Details, and more**!



We recommend performing a **Test email** by clicking the **Test** button.

Click the **Apply** button to **save all changes**

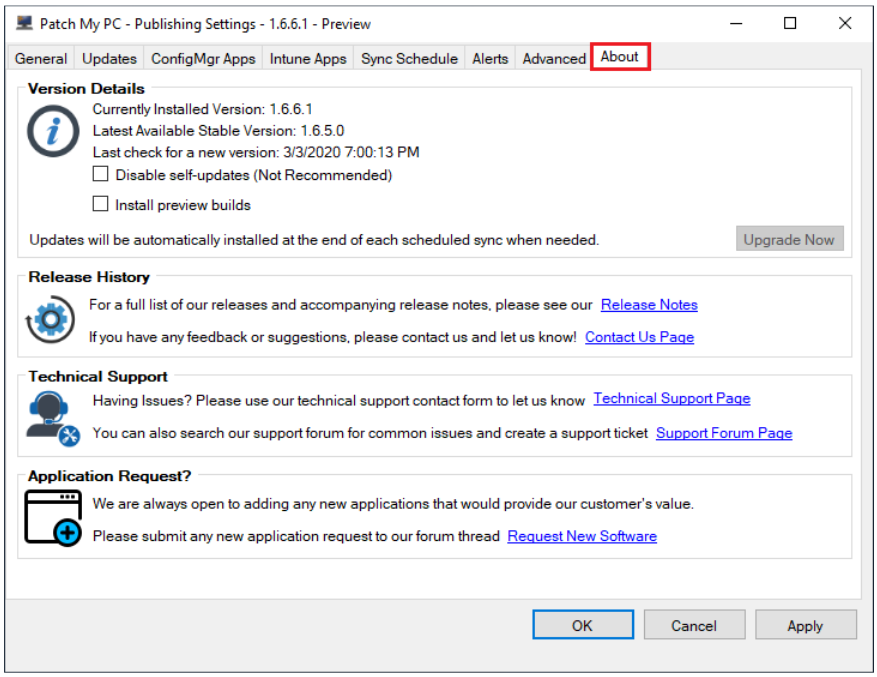


Modify Published Updates performs various actions on published updates

Local Content Repository for Licensed Products is used for products behind a paywall requiring a manual download. Please see this KB article for more details.

SSRS Dashboard Reports can be installed by clicking the **Run Report Installer** button.

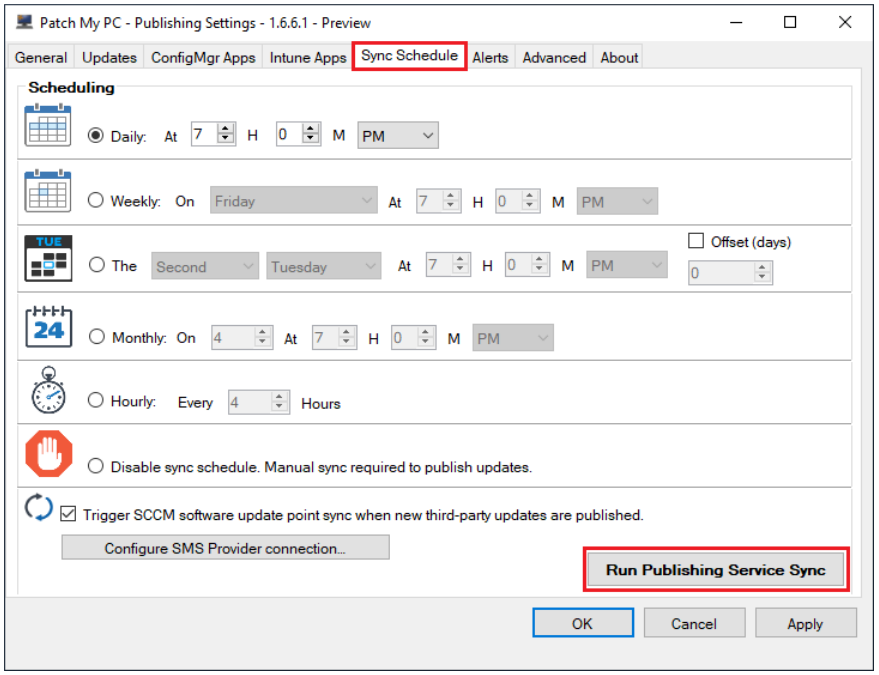
Standalone WSUS Mode: This option should **ONLY** be used if you are deploying updates in WSUS and not using SCCM. When enabled, updates will be **visible in the WSUS console**.



In the **About** tab, you can view details about the publishing service.

You can **disable the self-updates** or opt-in to pre**view builds.**

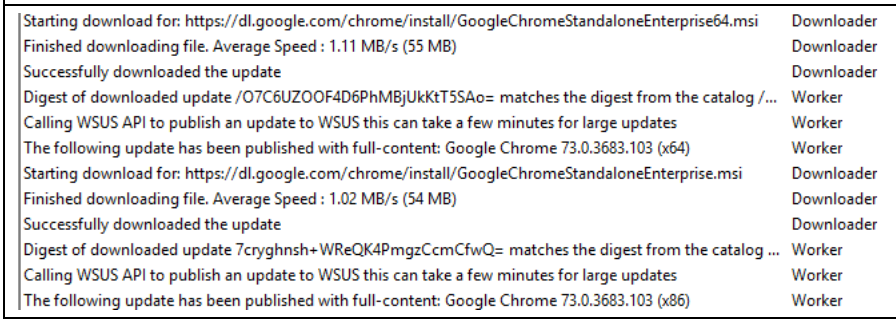
There are also a variety of helpful resources that are linked in the about tab including release notes, contact us, technical support email form, support forum, and request new products.



If you want to **start** the **initial publishing of products**, validate **settings have been applied** then **click** the **Run Publishing Service Sync** button in the **Sync Schedule** tab

If **Run Now** is **clicked**, click **OK** on the "**Run Now Successful**" Message Box

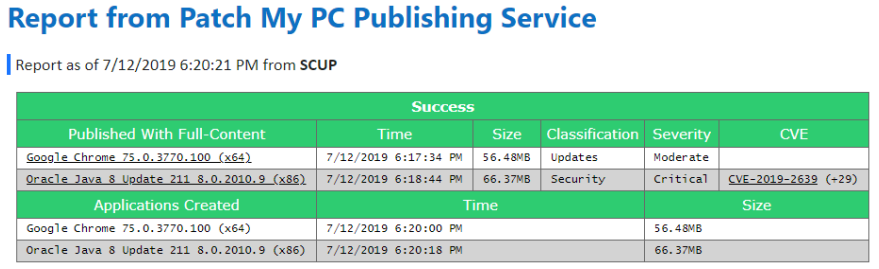
If you performed a **Run Now** Publishing, you could **monitor** the **publishing process** by **clicking** the **Open PatchMyPC.log** button in the **General Settings** tab



```
Starting download for: https://dl.google.com/chrome/install/GoogleChromeStandaloneEnterprise64.msi  Downloader
Finished downloading file. Average Speed : 1.11 MB/s (55 MB)  Downloader
Successfully downloaded the update  Downloader
Digest of downloaded update /O7C6UZOOF4D6PhMBjUkKtT5SAo= matches the digest from the catalog /...  Worker
Calling WSUS API to publish an update to WSUS this can take a few minutes for large updates  Worker
The following update has been published with full-content: Google Chrome 73.0.3683.103 (x64)  Worker
Starting download for: https://dl.google.com/chrome/install/GoogleChromeStandaloneEnterprise.msi  Downloader
Finished downloading file. Average Speed : 1.02 MB/s (54 MB)  Downloader
Successfully downloaded the update  Downloader
Digest of downloaded update 7cryghnsh+WReQK4PmgzCcmCfwQ= matches the digest from the catalog ...  Worker
Calling WSUS API to publish an update to WSUS this can take a few minutes for large updates  Worker
The following update has been published with full-content: Google Chrome 73.0.3683.103 (x86)  Worker
```

Our log file uses a **format compatible** with **CMTrace.exe**

We recommend setting **CMTrace.exe** as the **default log viewer**. It's available in the SCCM Installation directory: **<InstallDir>\tools\cmtrace.exe**

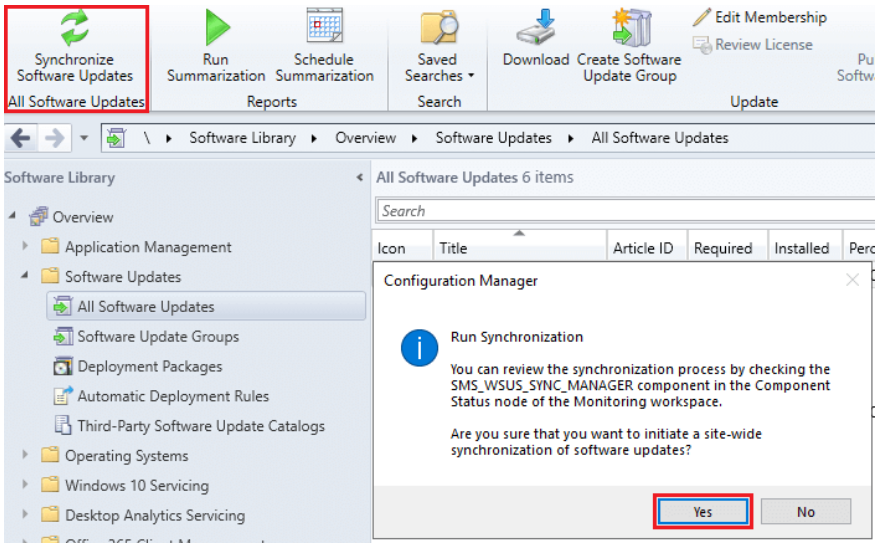


Report from Patch My PC Publishing Service

Report as of 7/12/2019 6:20:21 PM from **SCUP**

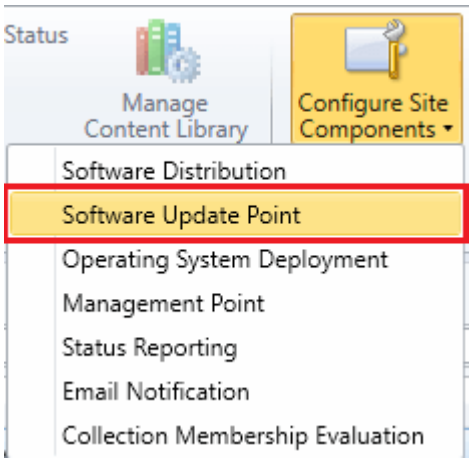
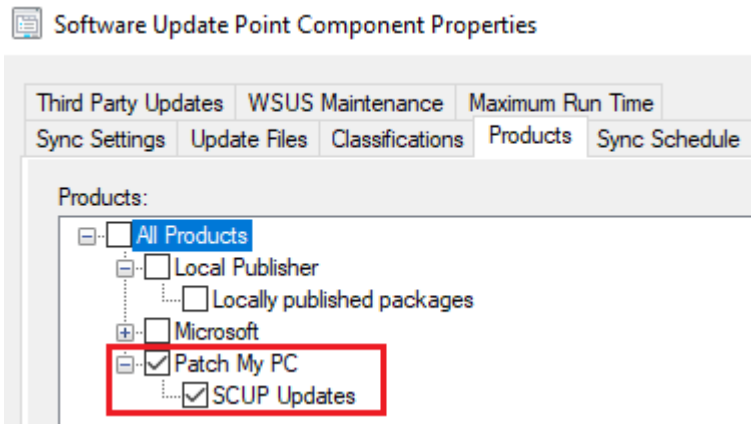
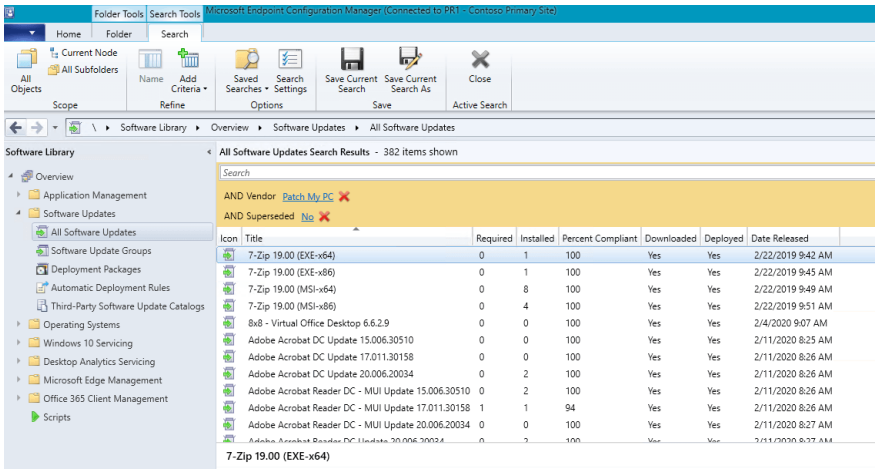
Success					
Published With Full-Content	Time	Size	Classification	Severity	CVE
Google Chrome 75.0.3770.100 (x64)	7/12/2019 6:17:34 PM	56.48MB	Updates	Moderate	
Oracle Java 8 Update 211 8.0.2010.9 (x86)	7/12/2019 6:18:44 PM	66.37MB	Security	Critical	CVE-2019-2639 (+29)
Applications Created	**Time**			**Size**	
Google Chrome 75.0.3770.100 (x64)	7/12/2019 6:20:00 PM			56.48MB	
Oracle Java 8 Update 211 8.0.2010.9 (x86)	7/12/2019 6:20:18 PM			66.37MB	

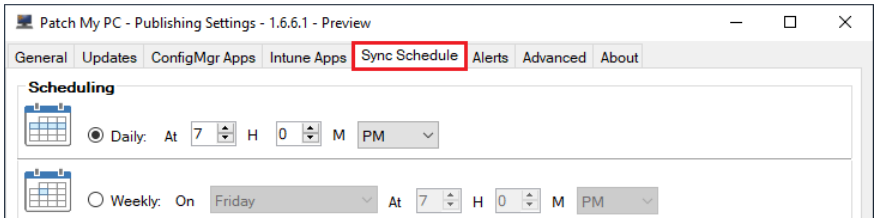
If you **enable email alerts** via **SMTP**, you will be sent an **automated email** whenever software updates or applications are **published**, **modified**, or **updated**.



When the first **publishing operation** is **completed**, we recommend that you run a "**Synchronize Software Updates**" on the SCCM site.

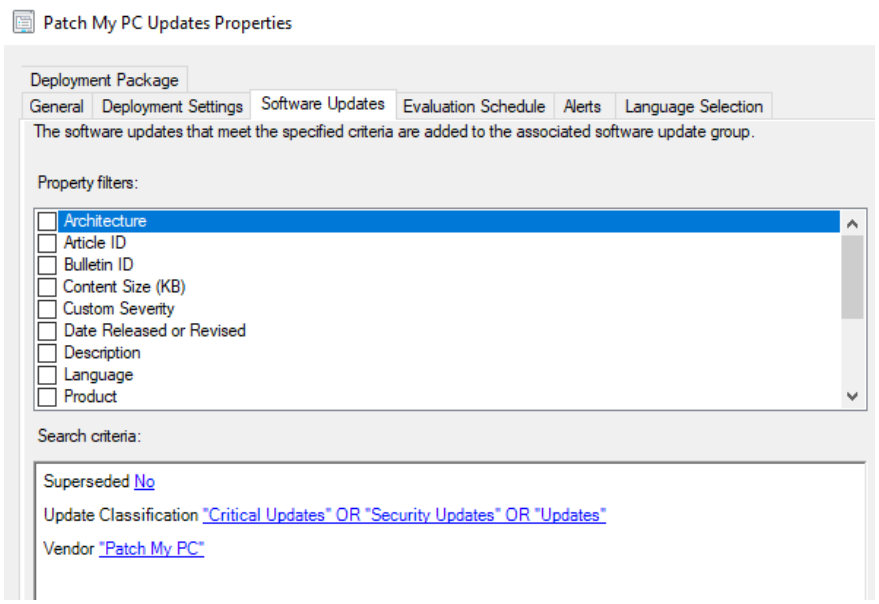
Note: You can monitor the software update point synchronization in the **wsyncmgr.log**

sync: SMS performing cleanup Done synchronizing SMS with WSUS Server SCUP Set content version of update source {6541FA90-052F-476D-A7E7-C0F3B34EC1B8} for site TPV to 15 Resetting MaxInstall RunTime for Cumulative updates. STATMSG: ID=6702 SEV=I LEV=M SOURCE="SMS Server" COMP="SMS_WSUS_SYNC_MANAGER" SYS= Sync succeeded. Setting sync alert to canceled state on site TPV No changes made to the SMS database, content version remains 15 Sync time: 0d00h00m04s	Here is an example of the **wsyncmgr.log**. You can verify the **synchronization is complete** when you see the line: **Sync time: 0d00hxxmxxss**
	Now that the **sync** is **complete**, you will need to **enable** the **Patch My PC** vendor in your software update point's **Products tab** **Navigate** to the **Administration Workspace** > **Site Configuration** > **Sites** > **Right-click your site** > **Configure Site Components** > **Click Software Update Point**.
	In the **Products** tab, enable the vendor named "**Patch My PC**" and **Click Apply** or **OK** to **Save** the **settings**
	If you run another "**Synchronize Software Updates**" on the SCCM site, the **updates** should **now** be **available** in the console after the **sync** is **complete**. You may need to click the **Refresh** button in the **All Software Updates** view. **Note**: You can monitor the software update point synchronization in the **wsyncmgr.log**



The setup of the publishing service is now **complete!**

Any newly released products meeting the **criteria** will be automatically published based on your **schedule**.

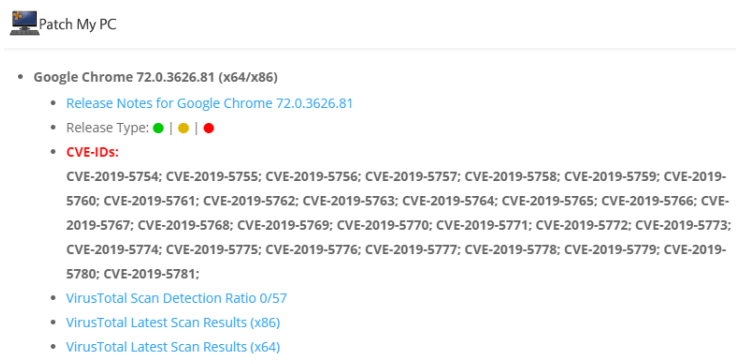


Note: If you are using **Automatic Deployment Rules** in **SCCM**. Filters:

- **Vendor** = Patch My PC
- **Superseded** = No
- **Classification** = Critical Updates, Security Updates, Updates

If you want to **exclude specific products in your ADR**, please refer to this guide [Filtering Specific Third-Party Products from ADRs]

Note: Migration updates for Firefox to Firefox ESR or Java 6/7 to Java 8 are classified as "**Update Rollups**".



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