



# How To Remove Unused Software from Control Server HP® Windows® 10 Thin Client HMI Systems

HP® Windows® 10 Thin Clients are supplied from the manufacturer with software that is not used in the Control Server Thin Client HMI system. Unused software must be removed to reduce the attack surface presented by the Thin Client.

This document provides the instructions to remove unused software from HP Windows 10 Thin Clients.



## Attention

When enabled, the Write Filter prevents changes from being made to the Windows 10 Thin Client. All changes made while the Write Filter is enabled are lost when the Thin Client is restarted. Changes are only persisted when the Write Filter is disabled. For more information, refer to the *Control Server HP Windows 10 Thin Client HMI System Maintenance Guide* (GEH-6857), the section *Write Filter*.

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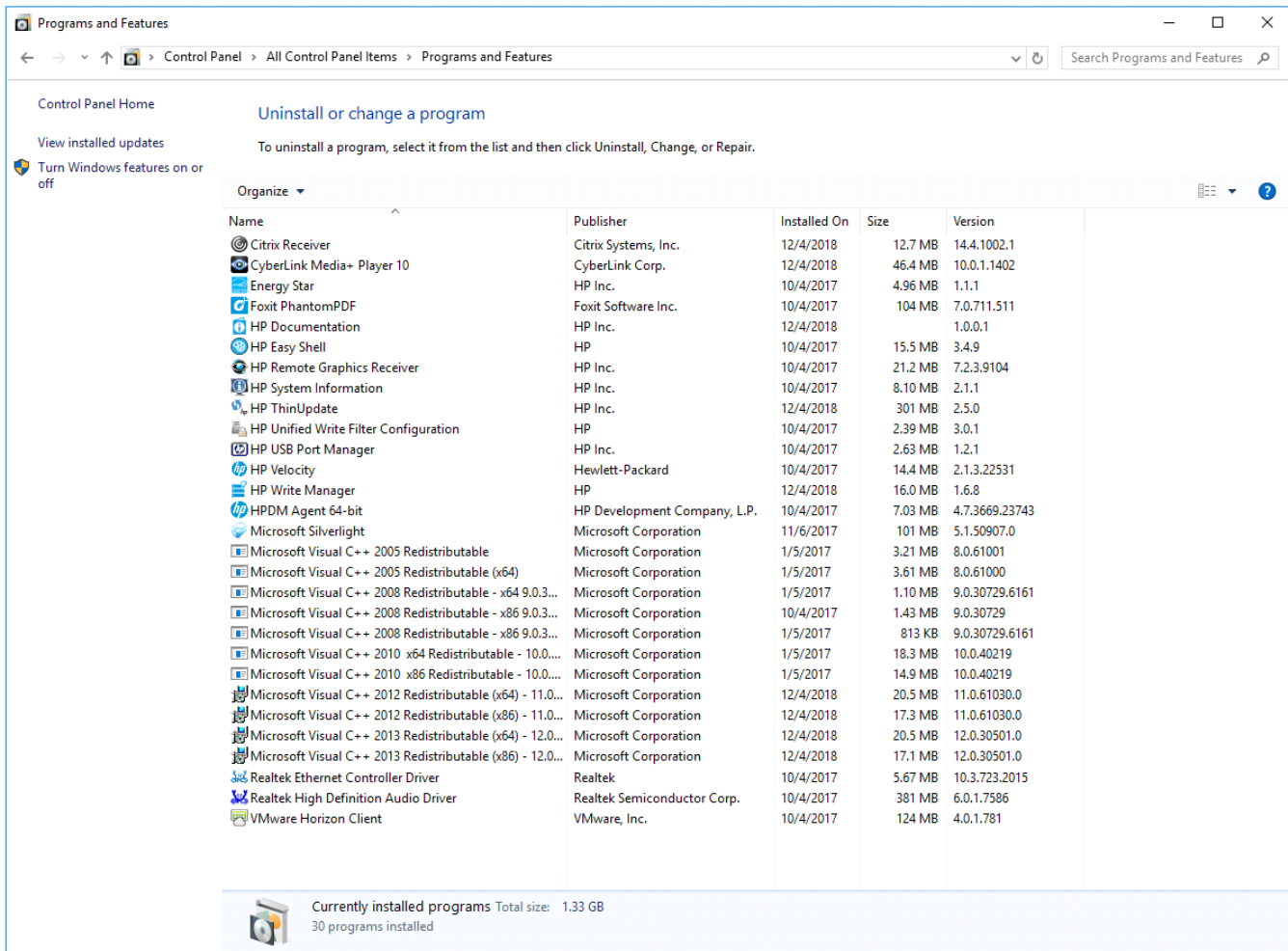
## Attention

Uninstall the software packages exactly as instructed in this document, in the order given.

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### ➤ To remove unused software from the Thin Client

1. Log in to the local Administrator account. For instructions, refer to the *Control Server HP Windows 10 Thin Client HMI System Support and Maintenance Guide* (GEH-6857), the section *Local Administrator Account Login*.
2. Disable the Write Filter. For instructions, refer to GEH-6857, the section *Enable/Disable Write Filter*.
3. Make sure the Thin Client is restarted before proceeding.
4. Log in to the local Administrator account.
5. From the **Start** menu, launch the **Windows Control Panel** and select **Programs and Features**.



### Windows Control Panel Programs and Features

**Note** In the following steps, x represents the software application version.

6. Uninstall *Citrix Receiver* as follows:
  - a. Right-click **Citrix Receiver** and select **Uninstall**.
  - b. Click **Yes** to confirm the uninstall.
7. Uninstall *Cyberlink Media+ Player x* as follows:
  - a. Right-click **Cyberlink Media+ Player x** and select **Uninstall/Change**.
  - b. Click **Yes** to confirm the uninstall.
  - c. Click **OK** after the uninstall is finished.
8. Uninstall *Foxit PhantomPDF* as follows:
  - a. Right-click **Foxit PhantomPDF** and select **Uninstall**.
  - b. Click **Yes** to confirm the uninstall.
  - c. Click **Yes** to allow the app to make changes to the device.
  - d. Click **Yes** to remove all PhantomPDF related registry and data.

9. Uninstall *Microsoft® Silverlight* as follows:
  - a. Right-click **Microsoft Silverlight** and select **Uninstall**.
  - b. Click **Yes** to confirm the uninstall.
  - c. Click **Yes** to allow the app to make changes to the device.
10. Uninstall *VMware Horizon Client* as follows:
  - a. Right-click **VMware Horizon Client** and select **Uninstall**.
  - b. Click **Uninstall** to confirm the uninstall.
  - c. Click **Yes** to allow the app to make changes to the device.
  - d. Click **Yes** to restart now.
11. Enable the Write Filter and reboot the Thin Client. For instructions, refer to GEH-6857, the section *Enable/Disable Write Filter*.



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