

# What software is running on those things?

## CSC 2: Inventory and Control of Software Assets

Inventory and Control of Software Assets	
<b>Actively manage (inventory, track, and correct) all software on the network so that only authorized software is installed and can execute, and that unauthorized and unmanaged software is found and prevented from installation or execution.</b>	
Maintain Inventory of Authorized Software	Maintain an up-to-date list of all authorized software that is required in the enterprise for any business purpose on any business system.
Ensure Software is Supported by Vendor	Ensure that only software applications or operating systems currently supported and receiving vendor updates are added to the organization's authorized software inventory. Unsupported software should be tagged as unsupported in the inventory system.
Utilize Software Inventory Tools	Utilize software inventory tools throughout the organization to automate the documentation of all software on business systems.
Track Software Inventory Information	The software inventory system should track the name, version, publisher, and install date for all software, including operating systems authorized by the organization.
Integrate Software and Hardware Asset Inventories	The software inventory system should be tied into the hardware asset inventory so all devices and associated software are tracked from a single location.
Address unapproved software	Ensure that unauthorized software is either removed or the inventory is updated in a timely manner
Utilize Application Whitelisting	Utilize application whitelisting technology on all assets to ensure that only authorized software executes and all unauthorized software is blocked from executing on assets.
Physically or Logically Segregate High Risk Applications	Physically or logically segregated systems should be used to isolate and run software that is required for business operations but incurs higher risk for the organization.

<http://www.cisecurity.org/controls/>

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Windows Power Shell:

```
# Search registry for program based on Uninstaller records
Create-Item $tmpFile
$loc = Get-ChildItem HKLM:\Software\Microsoft\Windows\CurrentVersion\Uninstall
$names = $loc |foreach-object {Get-ItemProperty $_.PsPath}
foreach ($name in $names)
{
    IF(-Not [string]::IsNullOrEmpty($name.DisplayName)) {
        $line = $name.DisplayName+$separator+$name.DisplayVersion+$separator+$name.InstallDate
        Write-Host $line
        Add-Content $tmpFile "$line`n"
    }
}
```

Credit Arivan Bastos