Who needs recon.exe anyway!?

Alternative device lifecycle management ideas

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Introductions

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Devices Background

- Mac main client since 2011
- Approx **6,000** devices
- Managed through jamf

- Windows used in some teams
- Approx **800** devices
- Managed through SCCM

Mac Device Management

Lifecycle tasks use jamf as source of data:

- Issuing devices to users for
  - Permanent staff
  - Day loans
  - Longer term loans
- Returning devices to available stock
- Tracking devices in repair
- CMDB Updating

Front line support tools use jamf as source of data

Reporting tools use jamf as source of data

Windows Device management

- Built and managed using SCCM
- Lifecycle tasks manual and different to Mac
- Windows 7

- Windows and Mac teams merged into Devices team
- Windows 10 build created

The Challenge

Make Windows management integrate with Mac management

- Use the same tools for stock control
- Use the same tools for reporting
- Use the same loan management

- **Minimal development effort**
- **Minimal or zero front line process change**

How to do this? magic?

- Powershell script to read SCCM
  - Reads all scoped computers and checks if exist in jss
    - If does not exist: creates a record
    - If does exist: updates some attributes

What's needed?

- List of computer models that will be imported
- Modify /Library/JSS/Tomcat/webapps/ROOT/WEB-INF/xml/computerModels.xml

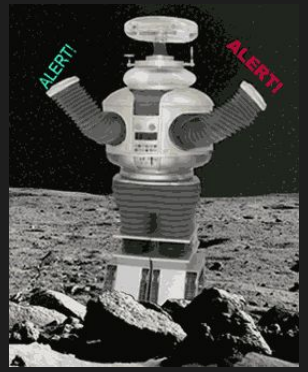
computerModels.xml

```
<computer_model>
        <model_name>HP Elite x2 1012 G1</model_name>
        <display_name>HP Elite X2 1012 G1</display_name>
</computer_model>
<computer_model>
        <model_name>HP EliteBook 840 G3</model_name>
        <display_name>HP EliteBook 840 G3</display_name>
</computer_model>
<computer_model>
        <model_name>HP EliteBook x360 1030 G2</model_name>
        <display_name>HP Elitebook x360 1030 G2</display_name>
</computer_model>
<computer_model>
        <model_name>HP EliteDesk 800 G1 SFF</model_name>
        <display_name>HP EliteDesk 800 G1 Small Form Factor</display_name>
 </computer_model>
```

Danger Will Robinson

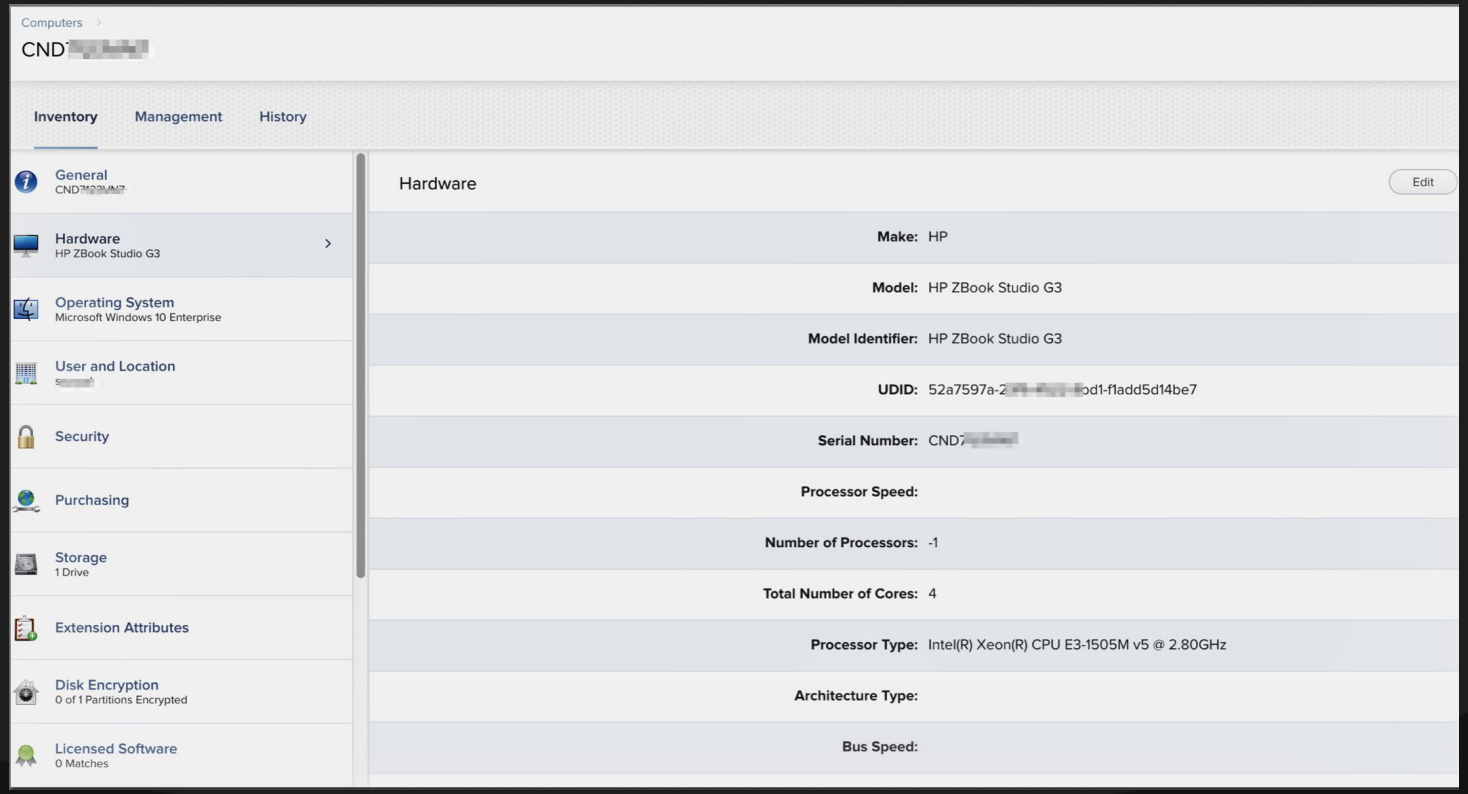
Vendors model naming is inconsistent!

- Decide what is desired name in jss and map vendor name to desired model




```
['HP SPECTRE XT PRO'] = 'HP Spectre XT Pro 13'
['HP Spectre XT Pro Ultrabook'] = 'HP Spectre XT Pro 13'
['HP SPECTRE XT PRO ULTRABOOK'] = 'HP Spectre XT Pro 13'
['HP SpectreXT Pro 13-b000 PC'] = 'HP Spectre XT Pro 13'
['HP SpectreXT PRO 13-b000 PC'] = 'HP Spectre XT Pro 13'
['HP Spectre 13 Pro Notebook PC'] = 'HP Spectre XT Pro 13'
['HP Spectre 13-SMB Pro Ultrabook'] = 'HP Spectre XT Pro 13'
```

Ta Da!


Computers
CND
Inventory
Management
History
General
Hardware
HP ZBook Studio G3
Operating System
Microsoft Windows 10 Enterprise
User and Location
Security
Purchasing
Storage
1 Drive
Extension Attributes
Disk Encryption
0 of 1 Partitions Encrypted
Licensed Software
0 Matches
Hardware
Edit
Make: HP
Model: HP ZBook Studio G3
Model Identifier: HP ZBook Studio G3
UDID: 52a7597a-2
od1-f1add5d14be7
Serial Number: CND
Processor Speed:
Number of Processors: -1
Total Number of Cores: 4
Processor Type: Intel(R) Xeon(R) CPU E3-1505M v5 @ 2.80GHz
Architecture Type:
Bus Speed:

Future Ideas and thinking

Import other devices

Any devices can be imported into the database

Import Chromebooks/ChromeBits from Google

Manage Windows Through jamf

Make changes to the jss windows computer record and write this to AD to assign applications or GPO

Q&A