

# Detecting the Display Model using a Custom Field

Use a FileWave Custom Field to store the model of display connected to a Mac or Windows system.

## Adding the Custom Field

1. Download the following Custom Field export - [Display Model Custom Field.customfields](#)
2. Import the downloaded file into "FileWave Admin>Assistants>Custom Fields>Edit Custom Fields>Import".
3. Save changes within Custom Fields dialog.
4. Associate Custom Field with desired Windows devices via "right-click>Edit Custom Field(s) Associations" or check the "Assigned to all devices" checkbox when editing the Custom Field.
  - A Smart Group is very helpful to quickly associate Custom Field

The screenshot shows the 'Custom Fields' dialog in FileWave Admin. On the left, a list of custom fields is shown, with 'Display Model' selected. The right pane shows the 'Field Details' for 'Display Model'. The 'Name' is 'Display Model' and the 'Internal Name' is 'display\_model'. The 'Description' is empty. The 'Provided By' is 'Client Script'. The 'Values' section shows 'Data Type' as 'String', 'Restrict allowed values' is unchecked, and 'Use a default value' is checked. The 'Client Script' section is active, showing a PowerShell script for detecting the display model. The script type is 'PowerShell' and the execution environment is 'Windows'.

| Display Name                  | Internal Name                 |
|-------------------------------|-------------------------------|
| BitLocker Key                 | bitlocker_key                 |
| Client Config Booster Routing | client_config_booster_routing |
| Client Config Booster1        | client_config_booster1        |
| Client Config Booster2        | client_config_booster2        |
| Client Config Booster3        | client_config_booster3        |
| Client Config Booster4        | client_config_booster4        |
| Client Config Booster5        | client_config_booster5        |
| Client Config Debug Level     | client_config_debug_level     |
| Client Config Hashed Password | client_config_hashed_password |
| Client Config Server Address  | client_config_server_address  |
| Client Config Tickle Interval | client_config_tickle_interval |
| <b>Display Model</b>          | <b>display_model</b>          |
| Max Battery Capacity          | max_battery_capacity          |
| Missing OS Update Count       | missing_os_update_count       |
| PowerShell x64                | powershell_x64                |

**Field Details**

**Name**  
Display Model

**Internal Name**  
Using internal name the field can be referenced in other parts of FileWave  
display\_model

**Description**

**Provided By**  
Defines how the field value shall be populated  
Client Script

☒ Assigned to all devices

**Values**

**Data Type**  
String

☐ Restrict allowed values  
☒ Use a default value

**Pending...**

**Client Script**  
This script will be run on the client side on verification. The output of the script will be captured and will serve as the value for the field. The default value will be assigned until the script is executed. If the script fails during client association, the default value will be used.

Script type: PowerShell

Execution Environment: macOS | Windows

```
$MonitorList = Get-WmiObject -Class WmiMonitorID -Namespace "ROOT\WMI"
$MonitorOutput = @()

foreach ($monitor in $MonitorList) {
    $mon = @{}
    $manufacturer = $null
    $name = $null

    foreach($sch in $monitor.ManufacturerName) {
        if($sch -ne '00') {
            $manufacturer += [char]$sch
        }
    }

    foreach($sch in $monitor.UserFriendlyName) {
        if($sch -ne '00') {
            $name += [char]$sch
        }
    }
}
```

- Copy/paste the following PowerShell script into the scripting box under the Windows section:

```
$MonitorList = Get-WmiObject -Class WmiMonitorID -Namespace "ROOT\WMI"
$MonitorOutput = @()

foreach ($monitor in $MonitorList) {
    $mon = @{}
    $manufacturer = $null
    $name = $null

    foreach($sch in $monitor.ManufacturerName) {
        if($sch -ne '00') {
            $manufacturer += [char]$sch
        }
    }

    foreach($sch in $monitor.UserFriendlyName) {
        if($sch -ne '00') {
            $name += [char]$sch
        }
    }
}
```

```
$mon = $manufacturer + " " + $name
$MonitorOutput += $mon
}
$MonitorOutput=$MonitorOutput -join ', '
$MonitorOutput
exit 0
```

- Copy/paste the following Shell script into the scripting box under the macOS section:

```
#!/bin/bash
DisplayModel=`system_profiler SPDisplaysDataType | grep "Resolution:" -B1 | awk -v n=3 'NR%n==1' | sed "s/^[
\t]*/" | sed 's/:/,/g' | tr '\n' ' ' `
echo ${DisplayModel}
exit 0
```

- Save changes within Custom Fields dialog.
- Associate Custom Field with desired devices via "right-click>Edit Custom Field(s) Associations" or check the "Assigned to all devices" checkbox when editing the Custom Field.
  - A Smart Group can be helpful to quickly associate Custom Field.
- Alternatively you can also simply assign the field to all devices.

## Results

| Dashboard     | Search: Everything Clients Mobile Groups <span>⋮</span> Clear all filters |      |         |                  |
|---------------|---|------|---------|------------------|
|               | Name  | ID   | Comment | Display Model    |
| Clients       | ▼  Display Model Demo   | 6744 |         |                  |
| Filesets      | DECKER  | 243  |         | HWP HP 23xi      |
| Associations  | JOSH-CRYPT  | 242  |         | GSM LG HDR 4K    |
| Imaging       | macOS BigSur Lab 1  | 344  |         | Apple Virtual,   |
| iOS Inventory | Win10-Lab1  | 335  |         | PRL Parallels Vu |

## Related articles

- [Custom Fields](#)

🕒Revision #2

★Created 13 July 2023 21:20:50 by Josh Levitsky

✎Updated 14 July 2023 03:36:11 by Josh Levitsky