

Understanding and Utilizing the Windows Update Build Revision (UBR) Number

What

The Update Build Revision (UBR) number is a unique identifier for individual updates in Windows 10 and Windows 11 operating systems. It allows IT administrators to track, monitor, and ensure that their devices are up-to-date with the latest security patches, bug fixes, and feature improvements. The UBR number is not reported by FileWave by default; however, you can use Custom Fields in FileWave to collect and report on this information.

When/Why

Keeping devices updated is crucial for maintaining security, stability, and optimal performance. By monitoring UBR numbers, IT administrators can:

1. Identify devices that are not up-to-date with the latest updates.
2. Plan and execute update deployments effectively.
3. Verify the success of update installations.
4. Maintain compliance with internal and external policies or regulations.

This is particularly relevant for Education organizations, corporations, and state and local government agencies that rely on FileWave for their Unified Endpoint Management needs.

How

Using the below PowerShell code you can get the UBR from the Registry:

```
$ubr_version = (Get-ItemProperty "HKLM:\SOFTWARE\Microsoft\Windows NT\CurrentVersion").UBR
echo "$ubr_version"
exit 0
```

Using the below PowerShell code you can see how you can get both the OS version together with the UBR if that is desired:

```
$os_version = (Get-WmiObject -Class win32_OperatingSystem).Version
$sub_build_version = (Get-ItemProperty "HKLM:\SOFTWARE\Microsoft\Windows NT\CurrentVersion").UBR
echo "$os_version.$sub_build_version"
exit 0
```

To implement this very easily simply:

1. Download the below Custom Field file: [Windows UBR.customfields.zip](#)
2. Extract the zip archive
3. In FileWave Central go to Assistants → Custom Fields → Edit Custom Fields
4. Click Import and pick the file you extracted
5. Now make sure for one or both fields that you make sure to check the box to assign it to all devices so that they can report in their values. Then you can use the Custom Fields in any Query/Report/Smart Group

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