

# How to get started with Feature Updates

Chad Brower

*@Brower\_Chad*

*Sys Admin*

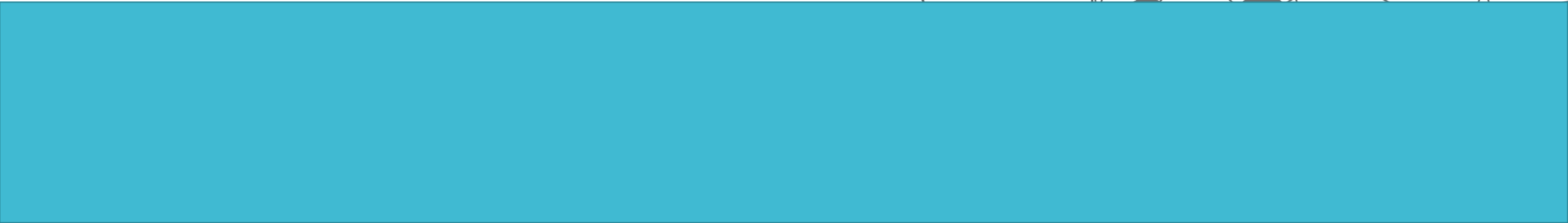
*Some Insurance Company*

Mike Marable

*@mike\_marable*

*OS Deployment Architect*

*Michigan Medicine*



- Chad Brower



- Mike Marable

- @Brower\_Chad



- @mike\_marable

- Microsoft Certified Professional



- [sccmf12twice.com/author/mmarable/](https://sccmf12twice.com/author/mmarable/)

- 10 years..ish



- 20+ years of breaking things

- I have kids...Racing



- Movies/TV from the 1930s-50s

# Why make the transition?

- Works off the VPN
- Less end-user downtime
- Less Complexity for the YOU!
  - Well... can be
- Keep Existing processes – Just changing the delivery



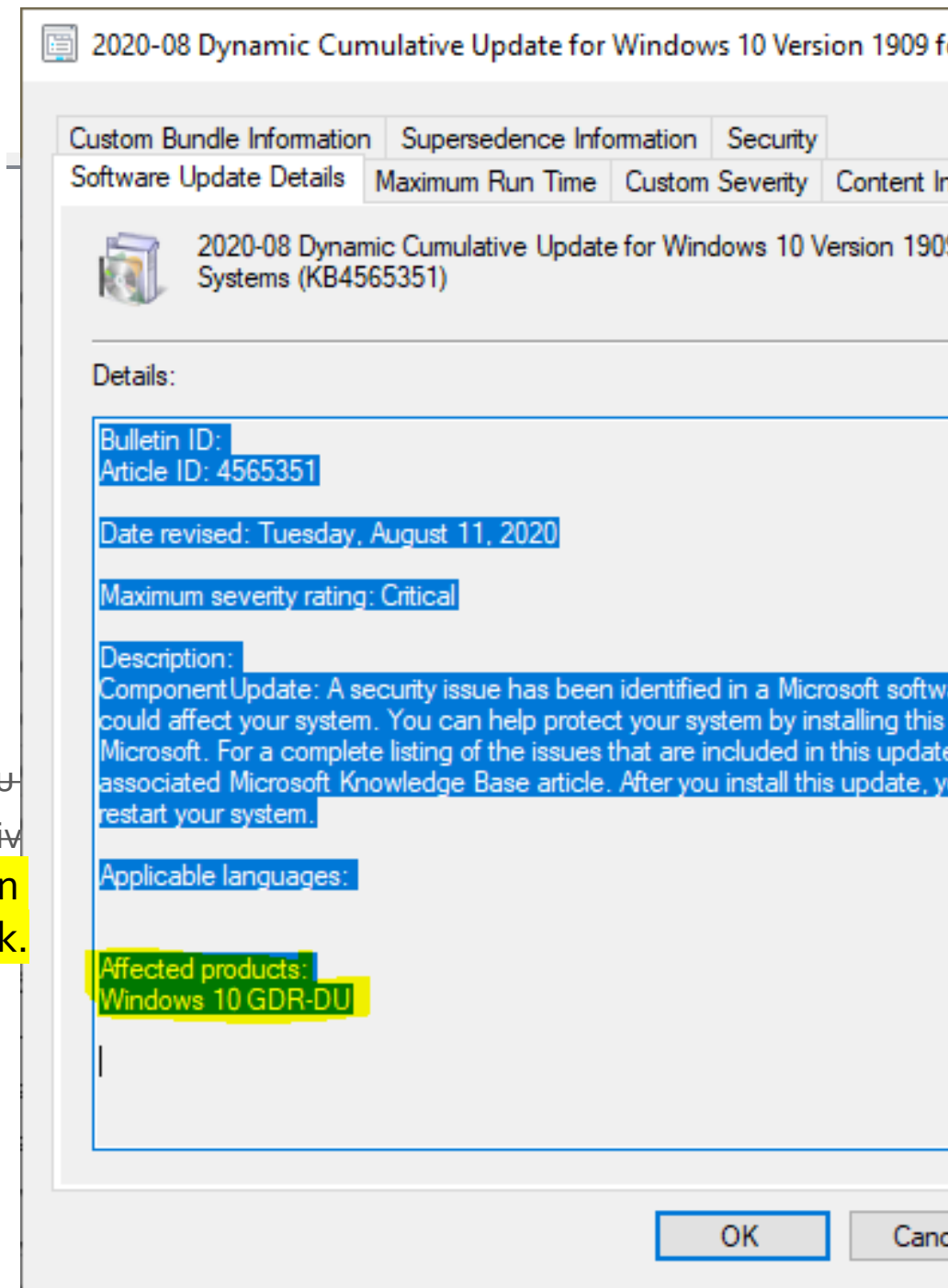
# How to get there?

- Microsoft Update
- ISO
- WSUS with Group Policy
- Intune
- Configuration Manager



# Prerequisites – ConfigMgr

- Software Updates
  - WSUS Category
    - Upgrades
    - Updates
  - WSUS Products
    - Windows 10
    - Windows 10 1903 and later
      - ~~Servicing Drivers? Do you~~
      - ~~Upgrade and Servicing Drivers~~
- None of these need to be checked in WSUS for Dynamic Updates to work.
- ~~Language Packs~~
  - ~~Features on Demand~~



# ConfigMgr Client Settings

- Client Settings
  - Feature Update Priority
  - Dynamic Updates
    - >= 1803 Caveat...
    - <= 1809 MS Update
    - **On by Default!!!**

☒ Default Settings

Background Intelligent Transfer  
Client Cache Settings  
Client Policy  
Cloud Services  
Compliance Settings  
Computer Agent  
Computer Restart  
Delivery Optimization  
Endpoint Protection  
Enrollment  
Hardware Inventory  
Metered Internet Connections  
Power Management  
Remote Tools  
Software Center  
Software Deployment  
Software Inventory  
Software Metering  
**Software Updates**  
State Messaging  
User and Device Affinity  
Windows Analytics

### Default Settings

☒ Specify settings that apply to all clients in the hierarchy, and c

Specify how client computers deploy software updates.

Software update scan schedule Occurs every 7 days effective 2/1/1970 12:00 AM

Schedule deployment re-evaluation Occurs every 7 days effective 2/1/1970 12:00 AM

When any software update deployment deadline is reached, install all other software update deployments with deadline coming within a specified period of time Yes

Period of time for which all pending deployments with deadline in this time will also be installed 1 Hours

Allow clients to download delta content when available No

Port that clients use to receive requests for delta content 8005

Enable management of the Office 365 Client Agent Yes

Enable installation of software updates in "All deployments" maintenance window when "Software update" maintenance window is available Yes

**Specify thread priority for feature updates Normal**

Enable third party software updates Yes

**Enable Dynamic Update for feature updates Yes**

# How to make the transition from an IPU Task Sequence

## What is your task sequence doing?

- Updating Drivers
- Uninstalling/Reinstalling Applications
- Corporate Branding
- Registry Changes

# How to make the transition from an IPU Task Sequence

## SetupConfig.ini

- The answer file for Setup
- Default Location:
- C:\Users\Default\AppData\Local\Microsoft\Windows\WSUS\Setupconfig.ini

### Example:

```
[SetupConfig]
BitLocker=AlwaysSuspend
Compat=IgnoreWarning
Priority=Normal
DynamicUpdate=Enable
ShowOOBE=None
Telemetry=Enable
DiagnosticPrompt=Enable
PKey=NPPR9-FWDCX-D2C8J-H872K-2YT43
PostOOBE=C:\~FeatureUpdateTemp\Scripts\SetupComplete.cmd
CopyLogs=C:\Logs\FeatureUpdateFailed
InstallDrivers=C:\Drivers
```



# How to make the transition from an IPU Task Sequence

## Custom Actions

Default Location: C:\Windows\System32\update\run\<Custom GUID>

### Pre-Install

Runs prior to the "heavy lifting" of the upgrade

### Pre-Commit

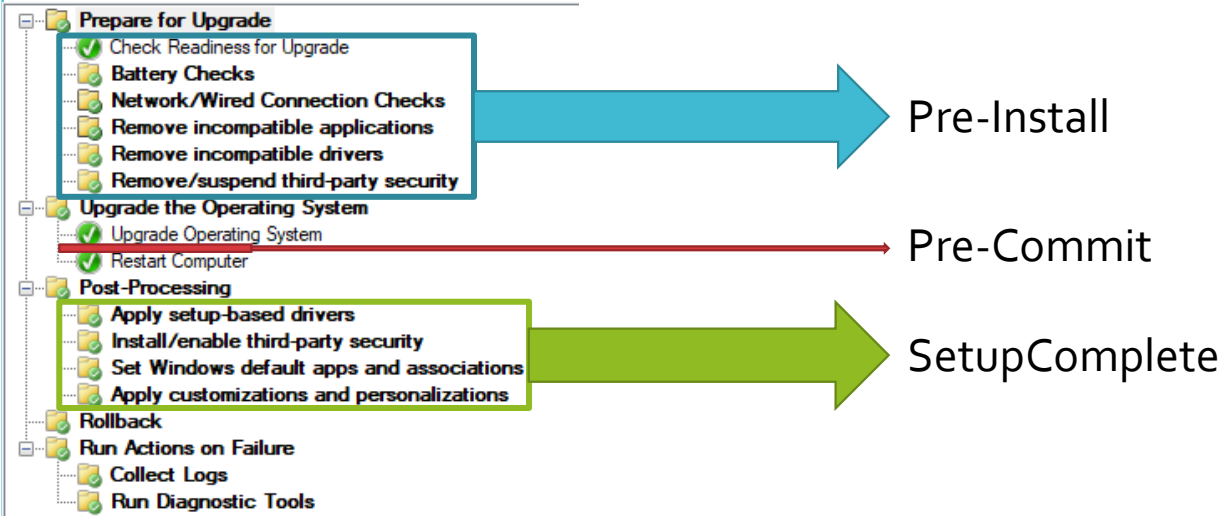
Runs at the completion of the down-level portion (prior to reboot)

### SetupComplete

Triggered by the completion of the upgrade and specified in the SetupComplete.ini

# How to make the transition from an IPU Task Sequence

## Quick Example:



### Pre-Install

Back up Registry keys  
Uninstall Applications  
Remove Drivers

### Pre-Commit

Display a message to the user

### SetupComplete

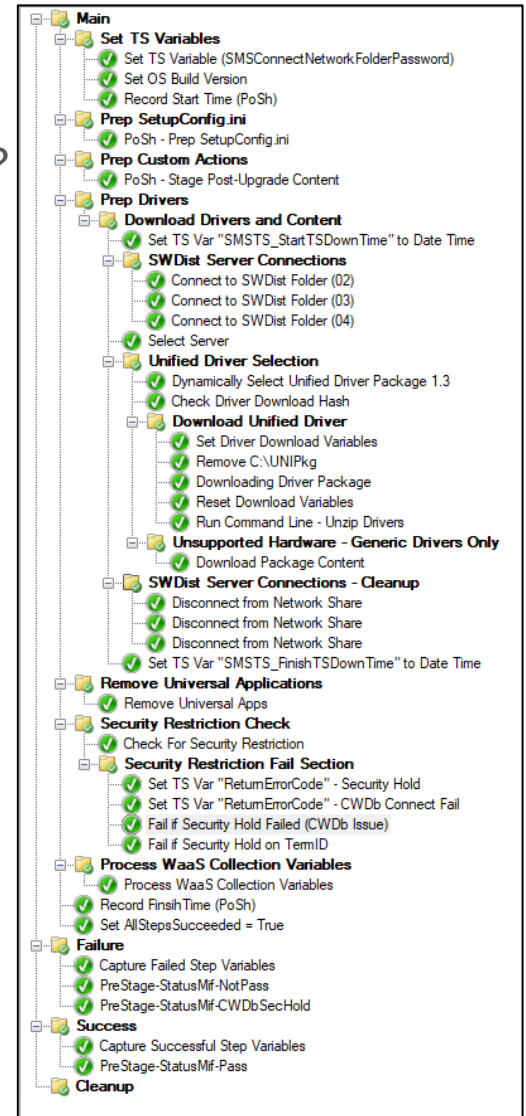
Heavy Lifting  
Install Hardware Apps  
Install Software

# How to make the transition from an IPU Task Sequence

## Staging Content

How do you get the needed content on the device?

- Compliance Items
- Packages/Applications
- Scripts
- Pre-Staging Task Sequence





Q & A

# References

## SetupConfig

[Windows 10 Feature Updates – Using Setupconfig.ini to Manage Feature Updates](#) (Adam Gross)

[Use Setupconfig.ini to install Windows](#) (Microsoft)

[Windows Setup Command-Line Options](#) (Microsoft)

<https://github.com/MrWyss-MSFT/PrepareIPTaskSequence> (Microsoft)

## Custom Actions

[Windows 10 Feature Updates – Using Custom Action Scripts](#) (Adam Gross)

[Run custom actions during feature update](#) (Microsoft)

## Dynamic Updes for 1803 Caveat - Michael Niehaus Blogs

<https://techcommunity.microsoft.com/t5/windows-blog-archive/using-dynamic-update-with-wsus-to-install-windows-10-feature/ba-p/706529>

<https://oofhours.com/2019/08/06/uup-is-still-coming-soon-and-dynamic-update-is-still-important/>

## UUP (Unified Update Platform)

<https://techcommunity.microsoft.com/t5/windows-it-pro-blog/language-pack-acquisition-and-retention-for-enterprise-devices/ba-p/275404>

<https://oofhours.com/2019/08/06/uup-is-still-coming-soon-and-dynamic-update-is-still-important/>

<https://blogs.windows.com/windows-insider/2017/03/02/an-update-on-our-unified-update-platform-uup/>

## Defining WSUS DU Products

<https://4sysops.com/archives/selecting-products-in-wsus-for-windows-10/>