

Deploy Windows 10 v20H2 through Servicing Plan

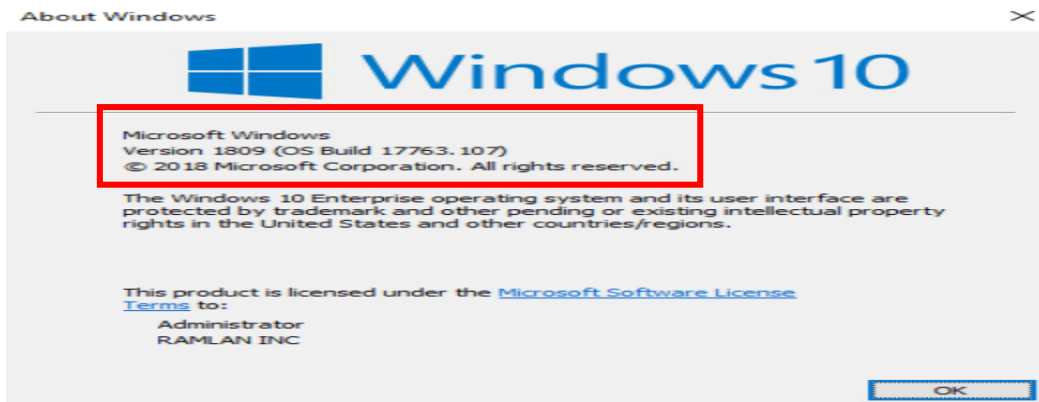
In this post, we will deploy latest version of Windows 10 20H2 released this month (Oct 2020). This is easy to deploy as feature update for workstation by creating a servicing plan. You can also create In Place Upgrade (IPU) task sequence as well. So, there are many ways to do the upgrade.

Windows 10 Servicing

Windows 10 servicing is the modern way of upgrading Windows 10 to the latest version without using the in-place upgrade (IPU) Task Sequence.

You can create service plans to form deployment rings and ensure that Windows 10 systems are kept up-to-date when new builds are released. You can also view alerts when Windows 10 clients are near the end of support for their Semi-Annual Channel build.

The current workstation is

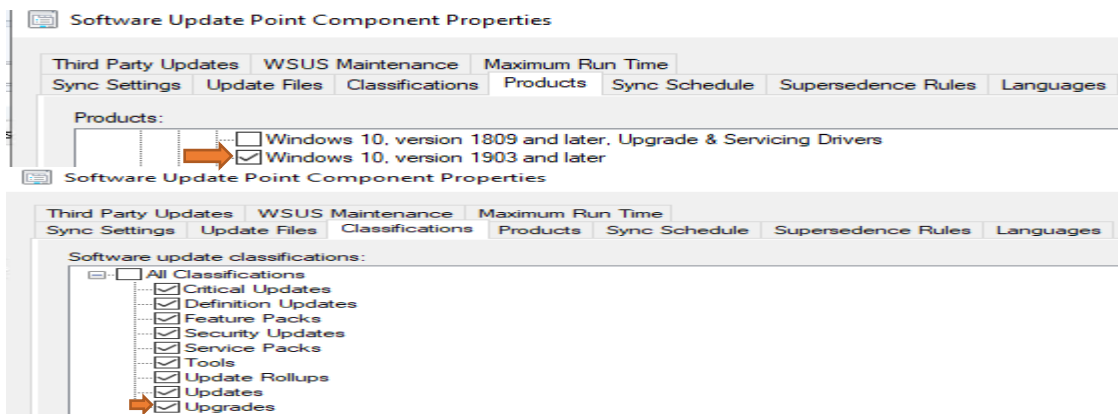
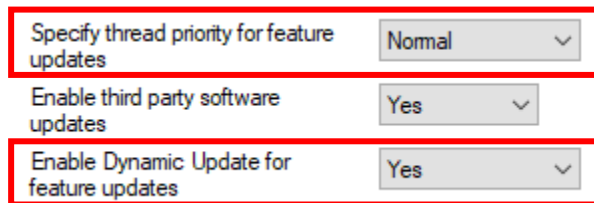


So, we are going to upgrade this to 20H2 by installing feature update from Software Center.

Prerequisites:

1. Enable Specify thread priority for feature updates from Client settings (1902 or later).
2. Enable Dynamic Update for feature updates from Client settings (1906 or later).

Client Settings -> Software Updates



Software Library -> Windows 10 Servicing -> All Windows 10 Updates

Overview > Windows 10 Servicing > All Windows 10 Updates

All Windows 10 Updates 2297 items

Search

Icon	Title	Article ID	Required	Installed	P
	Feature update to Windows 10 (business editions), version 20H2, en-us x64	3012973	0	0	

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Download Update

Deploy Deployment

Create Phased Deployment

Move

Properties

view > Windows 10 Servicing > All Windows 10 Updates

All Windows 10 Updates 2297 items

Search

Icon	Title	Article ID
	Feature update to Windows 10 (business editions), version 20H2, en-us x64	3012973

Download Software Updates Wizard

Deployment Package

Deployment Package

- Distribution Points
- Distribution Settings
- Download Location
- Select update languages for
- Summary
- Progress
- Completion

Specify a deployment package

The deployment package contains the software update files that will be available to clients as part of the deployment. You can select an existing deployment package or create a new one.

Select a deployment package:

Create a new deployment package:

Name:

Description:

Package source (Example): \\<server>\<folder path>

Enable binary differential replication

To minimize the network traffic between sites, binary differential replication updates only the content that has changed in the package.

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Distribution Points

Deployment Package

Distribution Points

Distribution Settings

Download Location

Select update languages for

Summary

Progress

Completion

Specify the distribution points or distribution point groups to host the content

Distribution points or distribution point groups:

Name	Description	Associations
CB.RAMLAN.CA	Distribution point	
WIN8.RAMLAN.CA	Distribution point	
Toronto	Distribution point group	0

Add

Remove

< Previous

Next >

Summary

Cancel



Distribution Settings

Deployment Package

Distribution Points

Distribution Settings

Download Location

Select update languages for

Summary

Progress

Completion

Specify the general distribution settings for this package

Specify the distribution settings for this package.

Use distribution priority to determine the order in which packages are sent to other sites and the distribution points in the same site. Packages that you configure to have a high priority are sent before packages that have a medium priority or a low priority. Packages that have the same priority are sent in the order in which they are created.

Distribution priority: Medium

When the content is not available, specify whether you want to distribute the content to distribution points that are configured for on-demand distribution and in the current boundary group for the client.

 Enable for on-demand distribution

Prestaged distribution point settings

Specify the behavior that you want to occur when a distribution point is enabled for prestaged content.

- Automatically download content when packages are assigned to distribution points
 Download only content changes to the distribution point
 Manually copy the content in this package to the distribution point

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Summary

Cancel



Download Location

- Deployment Package
- Distribution Points
- Distribution Settings

Download Location

- Select update languages for
- Summary
- Progress
- Completion

Specify the source location for software updates that you will download

If your site server does not have an Internet connection, you can download the software updates from a different computer and save them to a network location accessible by the site server.

- Download software updates from the Internet
- Download software updates from a location on my network:

Example: \\<server>\<folder path>

Browse...

When the deployment package contains all required software updates, select "Download software updates from the Internet". The software updates files will be validated, but will not be downloaded again.

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- Next >
- Summary
- Cancel



Select update languages for products

- Deployment Package
- Distribution Points
- Distribution Settings

Download Location

- Select update languages for
- Summary
- Progress
- Completion

Specify the update languages for products

Edit...

Product	Update languages
Windows Update	English
Office 365 Client Update	English (United States)

- < Previous
- Next >
- Summary
- Cancel



Summary

- Deployment Package
- Distribution Points
- Distribution Settings
- Download Location
- Select update languages for
- Summary**
- Progress
- Completion

Confirm the settings

Details:

Package:
The software updates will be placed in a new package:

- Win 10 20H2

Content (3):

- CB.RAMLAN.CA
- WIN8.RAMLAN.CA
- Toronto

Distribution Settings

- Priority: Medium
- Enable for on-demand distribution: Disabled
- Prestaged distribution point settings: Automatically download content when packages are assigned to distribution points

Software updates that will be downloaded from the internet
Feature update to Windows 10 (business editions), version 20H2, en-us x64

Windows Update Language Selection:
English

Office 365 Client Update Language Selection:
English (United States)

To change these settings, click Previous. To apply the settings, click Next.

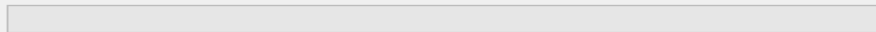
- < Previous
- Next >**
- Summary
- Cancel



Progress

- Deployment Package
- Distribution Points
- Distribution Settings
- Download Location
- Select update languages for
- Summary
- Progress**
- Completion

Status: Provisioning update - Feature update to Windows 10 (business editions), version 20H2, en-us x64



Processing 0%...

- < Previous
- Next >
- Summary
- Cancel



Completion

- Deployment Package
 - Distribution Points
 - Distribution Settings
- Download Location
- Select update languages for
- Summary
- Progress
- Completion**



The Download Software Updates Wizard completed successfully

Details:

Package:

The software updates were placed in a new package:

- Win 10 20H2
- ✓ Success: Content (3):
 - CB.RAMLAN.CA
 - WIN8.RAMLAN.CA
 - Toronto
- Distribution Settings
 - Priority: Medium
 - Enable for on-demand distribution: Disabled
 - Prestaged distribution point settings: Automatically download content when packages are assigned to distribution points

Software updates downloaded from the internet

- ✓ Success: Feature update to Windows 10 (business editions), version 20H2, en-us x64

Windows Update Language Selection:

English

Office 365 Client Update Language Selection:

English (United States)

To exit the wizard, click Close.

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Next >

Summary

Close

File Explorer Path: > CB > OS (C:) > Sources > Updates > 20H2 > beca8b61-1cbe-424f-91eb-e69802c96a97

Name	Date modified	Type	Size
19042.508.200927-1902.20h2_release_svc_refresh_CLIENTBUSINESS_VOL_x64FRE_en-us.esd	21-Oct-2020 1:13...	ESD File	3,935,153 KB
WindowsUpdateBox.exe	21-Oct-2020 12:11...	Application	22,340 KB

Time to deploy

Icon	Title	Article ID	Rec
	Feature Update to Windows 10 Version 20H2 x64-based systems 2020-10 via Enablement Package	4562830	0
	Feature update to Windows 10 (business editions), version 20H2, en-us x64	7012072	0
	Feature update to Windows 10 (consumer editions), version 20H2, en-us x64		
	Feature update to Windows 10 (business editions), version 20H2, en-gb x64		
	Feature update to Windows 10 (consumer editions), version 20H2, en-gb x64		

Download

Review License

Deploy



General

General

- Deployment Settings
- Scheduling
- User Experience
- Alerts
- Download Settings
- Summary
- Progress
- Completion

Specify general information for this deployment

Deployment Name: Windows 10 20H2 Servicing

Description:

The following software update or software update group is included in this deployment.

Software Update/Software Update Group: Feature update to Windows 10 (business editions), version 20H2, en-us x Browse...

Select a previously saved deployment template that defines configuration settings for this deployment. Before you complete this wizard, you have the option to save the current configurations as a new deployment template.

Select Deployment Template...

Deploy this software update deployment to the following collection.

Collection: Win 10 Browse...

< Previous Next > Summary Cancel



Deployment Settings

General

- Deployment Settings
- Scheduling
- User Experience
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- Progress
- Completion

Specify deployment settings for this deployment

Specify if this deployment is available for installation or if it is a required installation.

Type of deployment: Required

Use Wake-on-LAN to wake up clients for required deployments

State message detail level.

You can specify the state message detail level returned by clients for this software update deployment.

Detail level: All messages

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Scheduling

- General
- Deployment Settings
- Scheduling**
- User Experience
- Alerts
- Download Settings
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- Progress
- Completion

Configure schedule details for this deployment

Schedule evaluation
Specify if the schedule for this deployment is evaluated based upon Universal Coordinated Time (UTC) or the local time of the client.
Time based on:

Software available time
Specify when software updates are available. Software updates are available as soon as they are distributed to the content server unless they are scheduled to install at a later time.

- As soon as possible
- Specific time:

Installation deadline
Specify an installation deadline for required software updates. You can determine the deadline by adding the deadline time to the installation time. When the deadline is reached, required software updates are installed on the device and the device is restarted if necessary.

- As soon as possible
- Specific time:
Deadline time:

Delay enforcement of this deployment according to user preferences, up to the grace period defined in client settings.

< Previous **Next >** Summary Cancel



User Experience

- General
- Deployment Settings
- Scheduling
- User Experience**
- Alerts
- Download Settings
- Summary
- Progress
- Completion

Specify the user experience for this deployment

User visual experience
User notifications:

Deadline behavior
When the installation deadline is reached, allow the following activities to be performed outside the maintenance window:

- Software updates installation
- System restart (if necessary)

Device restart behavior
Some software updates require a system restart to complete the installation process. You can suppress this restart on servers and workstations.
Suppress the system restart on the following devices:

- Servers
- Workstations

Write filter handling for Windows Embedded devices
 Commit changes at deadline or during a maintenance window (requires restarts)
If this option is not selected, content will be applied on the overlay and committed later.

Software updates deployment re-evaluation behavior upon restart
 If any update in this deployment requires a system restart, run updates deployment evaluation cycle after restart

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Download Settings

- General
- Deployment Settings
- Scheduling
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- Progress
- Completion

Specify download settings of this deployment

Select the deployment option to use when a client uses a distribution point from a neighbor boundary group or the default site boundary group.

Deployment options:

- Do not install software updates
- Download software updates from distribution point and install

When software updates are not available on any distribution points in current or neighbor boundary group, client can download and install software updates from distribution points in site default boundary group.

Deployment options:

- Do not install software updates
- Download and install software updates from the distribution points in site default boundary group

- If software updates are not available on distribution point in current, neighbor or site boundary groups, download content from Microsoft Updates
- Allow clients on a metered Internet connection to download content after the installation deadline, which might incur additional costs



Summary

- General
- Deployment Settings
- Scheduling
- User Experience
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- Download Settings
- Summary
- Progress
- Completion

Confirm the settings

Details:

- Updates Targeted:
 - Feature update to Windows 10 (business editions), version 20H2, en-us x64 3012973(Article ID)
- General:
 - Deployment Name: Windows 10 20H2 Servicing
 - Collection: Win 10
- Deployment Settings:
 - Send wake-up packets: No
 - Verbosity Level: All messages
- Scheduling:
 - Deployment schedules will be based on: Client local time
 - Available to target computers: 29-Oct-2020 12:32:00 PM
 - Deadline for software update installation: 29-Oct-2020 12:32:00 PM
 - Delayed enforcement on deployment: No
- User Experience:
 - User Notifications: Display in Software Center and show all notifications
 - Install software updates outside the maintenance window when deadline is reached: No
 - Restart system outside the maintenance window when deadline is reached: Suppressed
 - If a restart is required it will be: Allowed
 - Commit changes at deadline or during a maintenance window (requires restarts): Yes
 - If any update in this deployment requires a system restart, run updates deployment evaluation cycle after restart: No
- Alerts:
 - On software update installation error generate a Window Event: No
 - Disable Window Event while software updates install: No
- Download Settings:
 - Computers can retrieve content from remote distribution points: No
 - Download and install software updates from the fallback content source location: Yes

To change these settings, click Previous. To apply the settings, click Next.



Completion

General

Deployment Settings

Scheduling

User Experience

Alerts

Download Settings

Summary

Progress

Completion



The Deploy Software Updates Wizard completed successfully

Details:

- ✓ Success: Updates Targeted:
 - Feature update to Windows 10 (business editions), version 20H2, en-us x64 3012973(Article ID)
- ✓ Success: General:
 - Deployment Name: Windows 10 20H2 Servicing
 - Collection: Win 10
- Deployment Settings:
 - Send wake-up packets: No
 - Verbosity Level: All messages
- Scheduling:
 - Deployment schedules will be based on: Client local time
 - Available to target computers: 29-Oct-2020 12:32:00 PM
 - Deadline for software update installation: 29-Oct-2020 12:32:00 PM
 - Delayed enforcement on deployment: No
- User Experience:
 - User Notifications: Display in Software Center and show all notifications
 - Install software updates outside the maintenance window when deadline is reached: No
 - Restart system outside the maintenance window when deadline is reached: Suppressed
 - If a restart is required it will be: Allowed
 - Commit changes at deadline or during a maintenance window (requires restarts): Yes
 - If any update in this deployment requires a system restart, run updates deployment evaluation cycle after restart: No
- Alerts:
 - On software update installation error generate a Window Event: No
 - Disable Window Event while software updates install: No
- Download Settings:
 - Computers can retrieve content from remote distribution points: No
 - Download and install software updates from the fallback content source location: Yes

To exit the wizard, click Close.

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Summary

Close

The update will show up on the workstation after some time. Users can install the update from Software Center or click the notification icon from the taskbar to start the install.

Log Files:

- C:\Windows\Logs\CBS\CBS.log
- Dism.log – C:\Windows\Logs\DISM

Thanks

Ram Lan

29th Oct 2020