


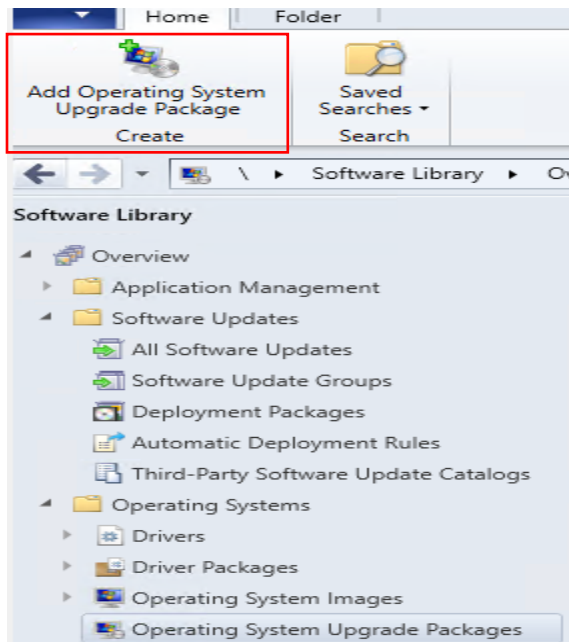
In Place upgrade Win 10 v1809 to Win 10 v20H2


In this post we will perform in place upgrade of Win 10 v1809 to Win 10 v20H2. The update was released this month.


I am going to upgrade this workstation to Win 10 20H2. Currently running Win 10 v1809.

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1. Create operating system upgrade package and distribute the content
2. Create task sequence and deploy task sequence to Win 10 collection



 Add Operating System Upgrade Package Wizard ✕

 Data Source

Data Source
General
Summary
Progress
Completion

Browse to the data source for the operating system upgrade package


Specify the path to the folder that contains the operating system upgrade package.

Path:

Example: \\servename\sharename\path

☒ Extract a specific image index from install.wim file of selected upgrade package

Image index:

 Selecting a specific image will result in Configuration Manager replacing install.wim file in the sources folder of specified upgrade package with a file that contains a selected single index image.

If the selected architecture and language matches that of the client, the package content will be downloaded in advance.

Architecture: ☐ x86 ☒ x64

Language:



General

Data Source

General

Summary

Progress

Completion

Type general information for the operating system upgrade package

Provide a name, version, and comment for the operating system upgrade package.

Name:

Version:

Comment:

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Summary

Cancel



Summary

Data Source

General

Summary

Progress

Completion

To create the Operating System Upgrade Package, click Next

Details:

- Data Source Information
 - Source location: \\cb\\sources\\OSD\\OS\\TEN20H2
- Index Export Information
 - Image Index: 3
 - Image Index Name: Windows 10 Enterprise
- Package Information
 - Name: Windows10
 - Version: 20H2
 - Comment: This will upgrade v1809 to v20h2 - x64

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

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Summary

Cancel



Completion

Data Source
General
Summary
Progress
Completion

**The Add Operating System Upgrade Package Wizard completed successfully**

Details:

- ✓ Success: Data Source Information
 - Source location: \\cb\sources\OSD\OS\TEN20H2
- ✓ Success: Index Export Information
 - Image Index: 3
 - Image Index Name: Windows 10 Enterprise
- ✓ Success: Package Information
 - Name: Windows10
 - Version: 20H2
 - Comment: This will upgrade v1809 to v20h2 - x64

To exit the wizard, click Close.

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Summary

Close

Now we will distribute content

Cancel Scheduled Updates | Refresh | Delete | Distribute Content | Update Distribution Points | Create Prestaged Content File | Manage Access Accounts

Operating System Upgrade Package | Deployment

Review > Operating Systems > Operating System Upgrade Packages

Operating System Upgrade Packages 5 items

Search

Icon	Name	Version	Comment
	Windows10	20H2	This will upgrade v1809 to v20h2 - x64



General

General
Content Destination
Summary
Progress
Completion

Review selected content

You have selected the following content for distribution.

Content:

Windows10

Some content might have associated dependencies that must be installed before the content can be installed.

☐ Detect associated content dependencies and add them to this distribution

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Summary

Cancel



Content Destination

General

Content Destination

Summary

Progress

Completion

Specify the content destination

Content will be distributed to the following distribution points, distribution point groups, and the distribution point groups that are currently associated with collections.

Content destination:

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

Add ▼

Remove

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Summary

Cancel



Summary

General

Content Destination

Summary

Progress

Completion

Confirm the settings

Details:

- Content (1):
- Windows10
- Collections (0):
- Distribution point groups (1):
- Toronto
- Distribution points (2):
- CB.RAMLAN.CA
 - WIN8.RAMLAN.CA

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

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Summary

Cancel



Completion

General

Content Destination

Summary

Progress

Completion

**The Distribute Content Wizard completed successfully**

Details:

Content (1):

- Windows10

Collections (0):

Distribution point groups (1):

- Toronto

Distribution points (2):

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

To exit the wizard, click Close.

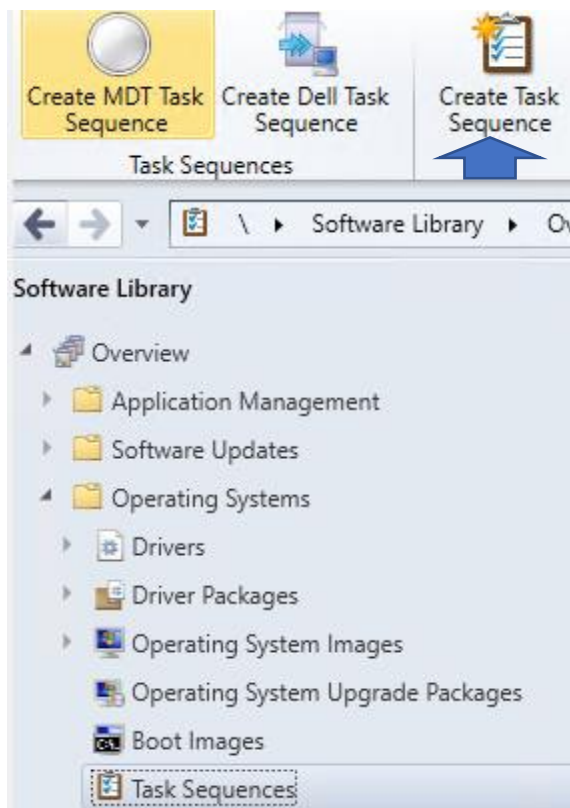
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Summary

Close

Now we will create task sequence to perform in place upgrade.





Create New Task Sequence

Create New Task Sequence

Task Sequence Information
Upgrade the Windows Operating System
Include Updates
Install Applications
Summary
Progress
Completion

Create a new task sequence

A task sequence performs multiple steps or actions on a client computer at the command-line level without requiring user intervention. Select the type of task sequence to create. You can use the task sequence editor to add steps to your task sequence.

Select a new task sequence to be created.

- ☐ Install an existing image package
- ☐ Build and capture a reference operating system image
- ☒ Upgrade an operating system from an upgrade package
- ☐ Deploy Windows Autopilot for existing devices
- ☐ Create a new custom task sequence

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Task Sequence Information

Create New Task Sequence

Task Sequence Information
Upgrade the Windows Operating System
Include Updates
Install Applications
Summary
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Completion

Specify task sequence information

Task sequence name:

Win 10 Upgrade

Description:

From v1809 to v20h2

☐ Run as high performance power plan

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Summary

Cancel

Create Task Sequence Wizard

Upgrade the Windows Operating System

Create New Task Sequence

Task Sequence Information

Upgrade the Windows Operating System

Include Updates

Install Applications

Summary

Progress

Completion

Select an operating system upgrade package

Upgrade package: Windows10 20H2 en-US

Browse...

Properties:

	OS version	Edition	Language	Architecture
1	10.0.19041.508	Windows 10 Enterprise	en-US	X64

< >

Specify the edition index and licensing information for this upgrade package, if required.

Edition index : 1 - Windows 10 Enterprise

Product key:

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Summary

Cancel

Create Task Sequence Wizard

Include Updates

Create New Task Sequence

Task Sequence Information

Upgrade the Windows Operating System

Include Updates

Install Applications

Summary

Progress

Completion

Include software updates

Install software updates based on the type of software update deployment:

☐ Required for installation - Mandatory software updates only

☐ Available for installation - All software updates

☒ Do not install any software updates

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Summary

Cancel



Install Applications

- Create New Task Sequence
- Task Sequence Information
- Upgrade the Windows Operating System
- Include Updates
- Install Applications**
- Summary
- Progress
- Completion

Install applications

Select the applications to be run with this operating system image.

Applications:



Application name	Description
There are no items to show in this view.	

☐ If an application installation fails, continue installing other applications in the list

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Summary

Cancel



Summary

- Create New Task Sequence
- Task Sequence Information
- Upgrade the Windows Operating System
- Include Updates
- Install Applications
- Summary**
- Progress
- Completion

Confirm the settings

Details:

Verify the following task sequence details.

Create a new task sequence

- Name: Win 10 Upgrade
- Run as high performance power plan: No
- Comment: From v1809 to v20h2

Upgrade the Windows operating system

- Installation source media: Windows10 20H2 en-US
- Edition index: 1

Include software updates

- Install software updates: Do not install any software updates

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

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Summary

Cancel



Completion

Create New Task Sequence

Task Sequence Information

Upgrade the Windows Operating System

Include Updates

Install Applications

Summary

Progress

Completion



The Create Task Sequence Wizard completed successfully

Details:



Success: The task sequence has been created successfully.



Success: Create a new task sequence

- Name: Win 10 Upgrade
- Run as high performance power plan: No
- Comment: From v1809 to v20h2



Success: Upgrade the Windows operating system

- Installation source media: Windows10 20H2 en-US
- Edition index: 1



Success: Include software updates

- Install software updates: Do not install any software updates

To exit the wizard, click Close.

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Summary

Close

Now we will complete deployment to a collection

The screenshot shows the MDT console with the following components:

- Ribbon:** Contains buttons for 'Create Task Sequence Media', 'Import Task Sequence', 'Saved Searches', 'Task Sequence Steps', 'View', 'Edit', 'Enable', 'Disable', 'Export', 'Refresh', 'Delete', 'Deploy', 'Distribute Content', and 'Create Prestaged Content File'.
- Breadcrumb:** Overview > Operating Systems > Task Sequences
- Task Sequences List:** Shows 11 items. The 'Win 10 Upgrade' task sequence is selected. Its details are as follows:

Icon	Name	Description	Package ID
	Win 10 Upgrade	From v1809 to v20h2	TOR001C6



General

General

Deployment Settings

Scheduling

User Experience

Alerts

Distribution Points

Summary

Progress

Completion

Specify general information for this deployment

Task sequence:

Win 10 Upgrade

Browse...

Collection:

Win10 20H2 Upgrade

Browse...

☐ Use default distribution point groups associated to this collection☐ Automatically distribute content for dependencies☐ Pre-download content for this task sequence

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...

Comments (optional):

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Summary

Cancel



Deployment Settings

General

Deployment Settings

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Completion

Specify settings to control how this software is deployed

Action:

Install

Purpose:

Available

Specify whether to make this task sequence available to Configuration Manager clients, and whether it is available to run when you deploy an operating system by using boot media, prestaged media, or PXE.

Make available to the following:

Only Configuration Manager Clients

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Summary

Cancel



General
Deployment Settings
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Completion

Specify the user experience for the installation of this software on the selected devices

Notification settings:

- ☒ Allow users to run the program independently of assignments
- ☒ Show Task Sequence progress

When the scheduled assignment time is reached, allow the following activities to be performed outside the maintenance window:

- ☐ Software installation
- ☐ System restart (if required to complete the installation)

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.

Internet based clients:

- ☐ Allow task sequence to run for client on the Internet

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Summary

Cancel



General
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Distribution Points
Summary
Progress
Completion

Specify how to run the content for this program

Specify how clients interact with the distribution points to retrieve content from packages referred by the task sequence:

Deployment options:

Download content locally when needed by the running task sequence

Clients will always try to get content from distribution points in current boundary group. In addition, interaction with distribution points in neighbor boundary group can be controlled:

- ☐ Allow clients to use distribution points from the neighbor boundary group

When this content is not available on any distribution points in current and neighbor boundary groups, you can allow the client to use a distribution point in site default boundary group.

- ☐ Allow clients to use distribution points from the default site boundary group



Token based authentication (recommended) or a network access account must be configured to access content from Windows PE

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Summary

Cancel

Deploy Software Wizard



Summary

General

Deployment Settings

Scheduling

User Experience

Alerts

Distribution Points

Summary

Progress

Completion

Confirm the settings for this new deployment

Details:

Save As Template...

General

- Software: Win 10 Upgrade
- Collection: Win10 20H2 Upgrade (Member Count: 0)
- Use default distribution point groups associated to this collection: Disabled
- Automatically distribute content for dependencies: Disabled
- Pre-download content for this task sequence: Disabled

Deployment Settings

- Action: Install
- Purpose: Available
- Task sequence deployment option: Only Configuration Manager Clients
- Allow clients to use a metered Internet connection to download content: Disabled

Scheduling

- Schedule when this deployment will become available: Disabled
- Schedule when this deployment will expire: Disabled
- Rerun behavior: Always rerun program

User Experience

- Allow users to run the program independently of assignments: Enabled
- Software installation: Disabled
- System restart (if required to complete the installation): Disabled
- Allow task sequence to run for client on the Internet: Disabled
- Commit changes at deadline or during a maintenance window (requires restarts): Enabled
- Show Task Sequence progress: Enabled

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

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Summary

Cancel

Deploy Software Wizard



Completion

General

Deployment Settings

Scheduling

User Experience

Alerts

Distribution Points

Summary

Progress

Completion



The Deploy Software Wizard completed successfully

Details:



Success: General

- Software: Win 10 Upgrade
- Collection: Win10 20H2 Upgrade (Member Count: 0)
- Use default distribution point groups associated to this collection: Disabled
- Automatically distribute content for dependencies: Disabled
- Pre-download content for this task sequence: Disabled



Success: Deployment Settings

- Action: Install
- Purpose: Available
- Task sequence deployment option: Only Configuration Manager Clients
- Allow clients to use a metered Internet connection to download content: Disabled



Success: Scheduling

- Schedule when this deployment will become available: Disabled
- Schedule when this deployment will expire: Disabled
- Rerun behavior: Always rerun program



Success: User Experience

- Allow users to run the program independently of assignments: Enabled
- Software installation: Disabled
- System restart (if required to complete the installation): Disabled

To exit the wizard, click Close.


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Summary

Close

Login to the workstation – Open Software Center – Operating Systems

 Software Center



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Applications

Updates

Operating Systems 1


Installation status


Device compliance


All Required

Search

Sort by: Application name: A to Z

	Name	Publisher	Status
New	 Win 10 Upgrade		Available

 Software Center



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Applications

Updates

Operating Systems 1


Installation status

Device compliance

Options

Personal

Operating Systems > Operating system details

 Win 10 Upgrade

Install

From v1809 to v20h2

Status: Available
Date published: 29-Oct-2020
Restart required: Yes
Download size: Less than 1 MB
Estimated time: 0 minutes
Total components: 1

 Software Center



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Confirm you want to upgrade the operating system on this computer.

Upgrading the operating system will take time and your computer might restart several times.

This in-place upgrade installs the new operating system and automatically migrates your apps, data, and settings.

Click Install Operating System to begin. Otherwise, click Cancel.

Install

Cancel

Installation Progress



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Running: Win 10 Upgrade

Running action: Upgrade Operating System



Installation Progress



RAMLAN INC

Running: Win 10 Upgrade

Running action: Upgrade Operating System



Downloading boot.wim (6% complete)



Data published: 20-Oct-2020

Installation Progress



RAMLAN INC

Running: Win 10 Upgrade

Running action: Upgrade Operating System



Installation Progress



RAMLAN INC

Running: Win 10 Upgrade

Running action: Upgrade Operating System



Windows upgrade progress: 1%



Installation Progress



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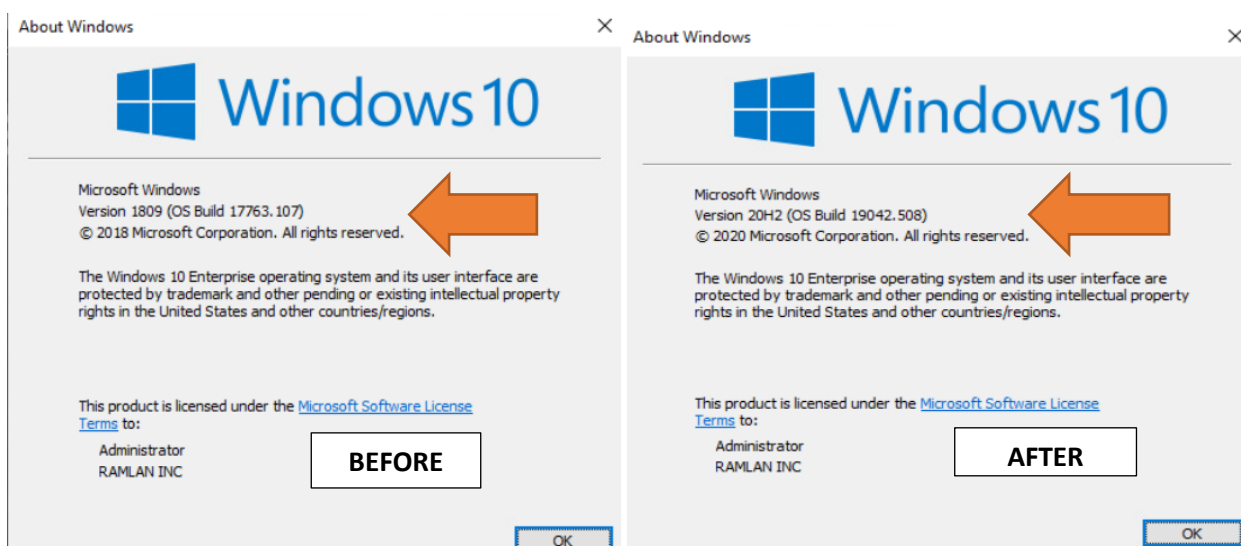
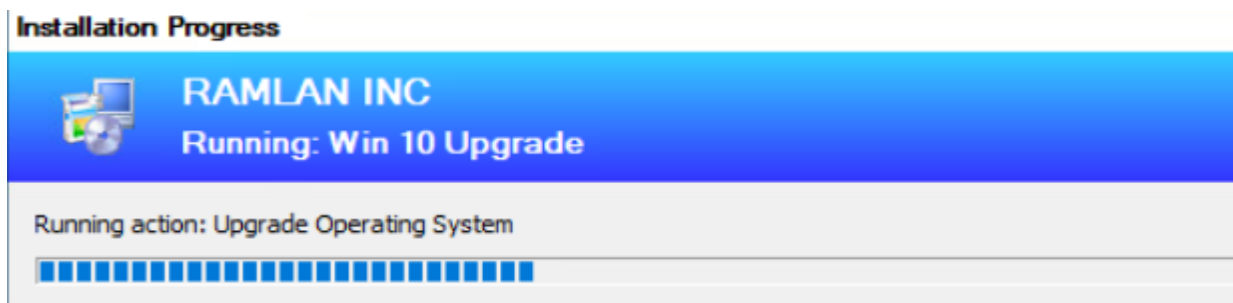
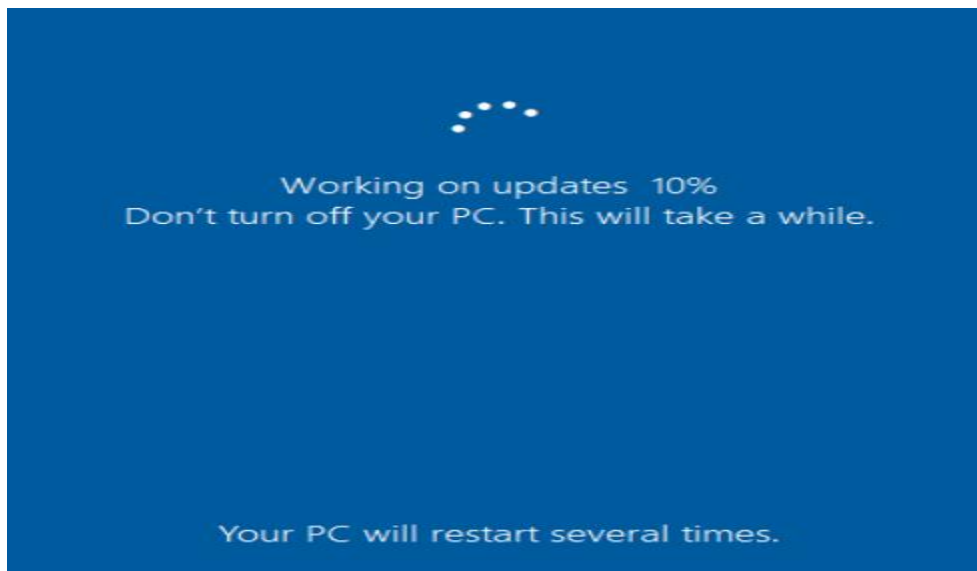
Running: Win 10 Upgrade

Running action: Upgrade Operating System



Windows upgrade progress: 49%





This concludes the upgrade process.

Thanks

Ram Lan
29th Oct 2020