

Deploying Edge WebView 2 Browser

Microsoft released new Edge browser called WebView 2. A more robust and user friendly browser. I will perform the deployment through CB2010.

More details about Edge WebView 2 - <https://docs.microsoft.com/en-us/microsoft-edge/webview2/>

You can download the installer from here - <https://developer.microsoft.com/en-us/microsoft-edge/webview2/>

The screenshot shows the Microsoft Edge WebView2 Runtime download page. It is divided into three main sections:

- Evergreen Bootstrapper:** Described as a tiny installer that downloads the Evergreen Runtime matching device architecture and installs it locally. It includes buttons for "Get the Link" and "Download".
- Evergreen Standalone Installer:** Described as a full-blown installer that can install the Evergreen Runtime in an offline environment. Available for x86/x64/ARM64. It includes buttons for "x86", "x64", and "ARM64". An orange arrow points to the "x64" button.
- Fixed Version:** Allows selecting and packaging a specific version of the WebView2 Runtime with your application. The version is set to 87.0.664.66, and the architecture is set to "arm64". It includes a "Download" button.

I will be using Evergreen Standalone Installer x64.

The screenshot shows a dialog box titled "Download the Evergreen WebView2 Runtime Standalone Installer". It contains the following text:

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT EDGE WEBVIEW2 RUNTIME

IF YOU LIVE IN (OR ARE A BUSINESS WITH A PRINCIPAL PLACE OF BUSINESS IN) THE UNITED STATES, PLEASE READ THE "BINDING ARBITRATION AND CLASS ACTION WAIVER" SECTION BELOW. IT AFFECTS HOW DISPUTES ARE RESOLVED.

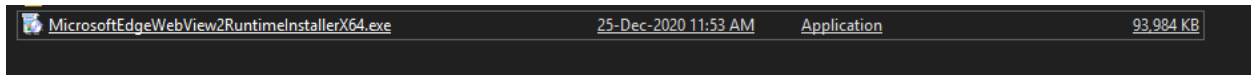
Privacy Statement

Accept and Download

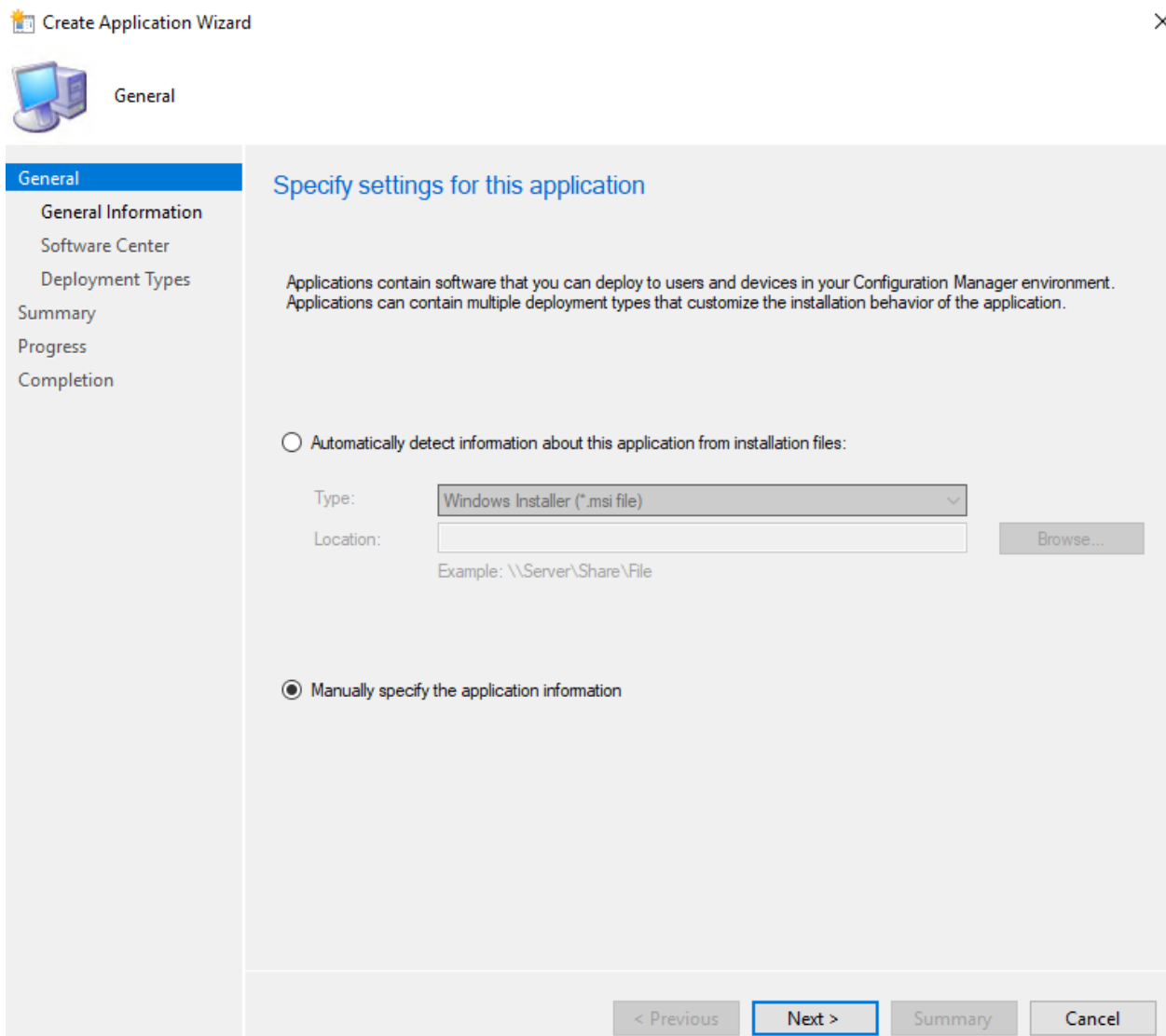
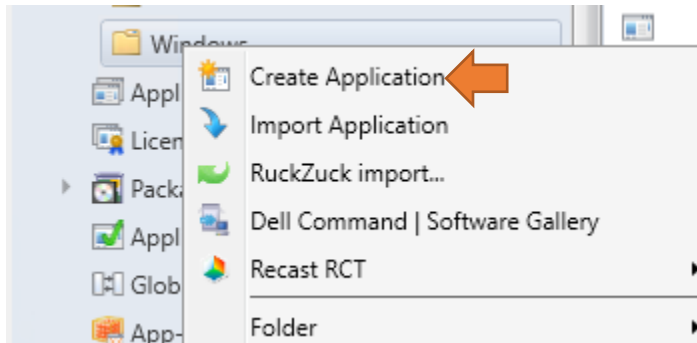
The screenshot shows a Windows File Explorer dialog box. The file name is "MicrosoftEdgeWebView2RuntimeInstallerX64.exe" and the save type is "Application (*.exe)". The "Save" button is highlighted.

The screenshot shows a "Thank you" dialog box. It contains the text "Your download will begin shortly." and a "Close" button.

Copy this file to CB2010 for deployment.



Now we can create an application and deploy to a collection for testing.





General

General Information

Software Center

Deployment Types

Summary

Progress

Completion

Specify information about this application

Name:

Administrator comments:

Publisher: Software version:

Optional reference:

Administrative categories:

Date published:

Specify the administrative users who are responsible for this application.

Owners:

Support contacts:



General

General Information

Software Center

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Specify the Software Center entry

Specify information about how you want to display this application to users when they browse the Software Center. To provide information in a specific language, select the language before you enter a description.

Selected language:

Localized application name:

User categories:


User documentation:

Link text:

Privacy URL:

Localized description:

Keywords:

Icon: 

Display this as a featured app and highlight it in the company portal



Deployment Types

General

- General Information
- Software Center

Deployment Types

- Summary
- Progress
- Completion

Configure deployment types and the priority in which they will be applied for this application

Deployment types include information about the installation method and the source files for this application.

Deployment types:

Increase Priority

Decrease Priority

Filter...

Priority	Name	Type	Languages
----------	------	------	-----------

There are no items to show in this view.



Add...

Edit...

Copy

Delete

< Previous

Next >

Summary

Cancel



General

General

- General Information
- Content
- Detection Method
- User Experience
- Requirements
- Dependencies

- Summary
- Progress
- Completion

Specify settings for this deployment type

Deployment types include information about the installation method and source files for this application.

Type:

Script Installer

Automatically identify information about this deployment type from installation files

Location:

Browse...

Example: \\Server\Share\File

Manually specify the deployment type information

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Summary

Cancel



General Information

General

General Information

Content

Detection Method

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Requirements

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Completion

Specify general information for this deployment type

Applications can have any number of deployment types. Deployment types include links to content and settings that specify how the content is delivered.

Name:

Administrator comments:

Languages:

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Summary

Cancel

MicrosoftEdgeWebView2RuntimeInstallerX64.exe /silent /install



Content

General

General Information

Content

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Completion

Specify information about the content to be delivered to target devices

Specify the location of the deployment type's content and other settings that control how content is delivered to target devices. All the contents in the path specified will be delivered.

Content location:

Persist content in the client cache

Specify the command used to install this content.

Installation program:

Installation start in:

Configuration Manager can remove installations of this content if an uninstall program is specified below.

Uninstall program:

Uninstall start in:

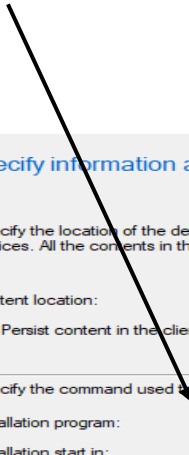
Run installation and uninstall program as 32-bit process on 64-bit clients.

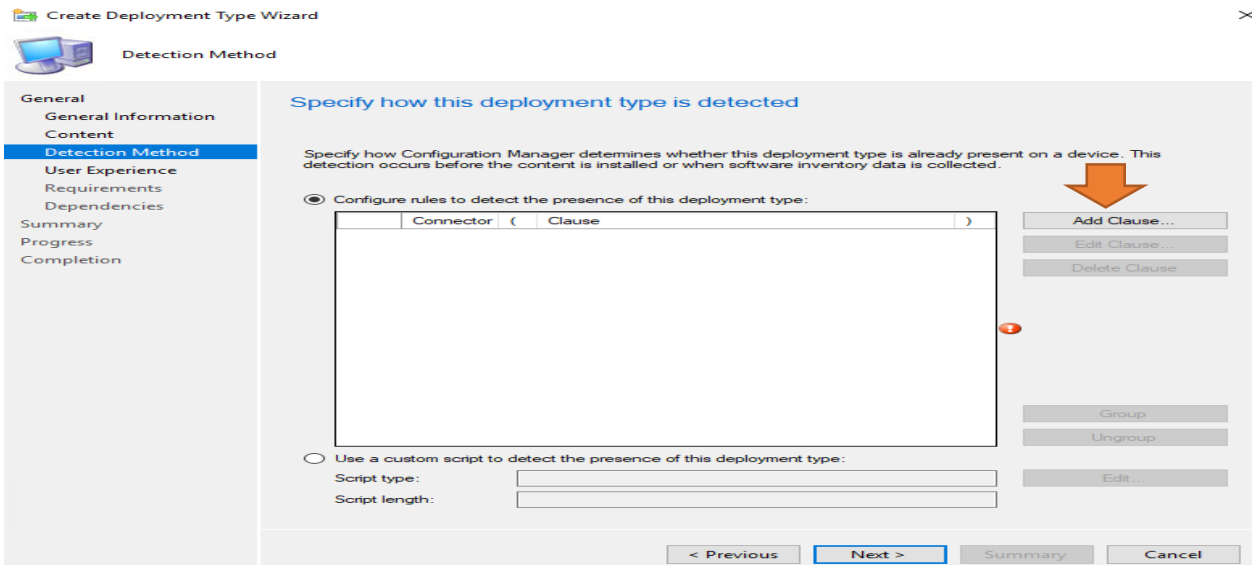
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Summary

Cancel





Setting Type – Registry

Hive – HKEY_LOCAL_MACHINE

Key –

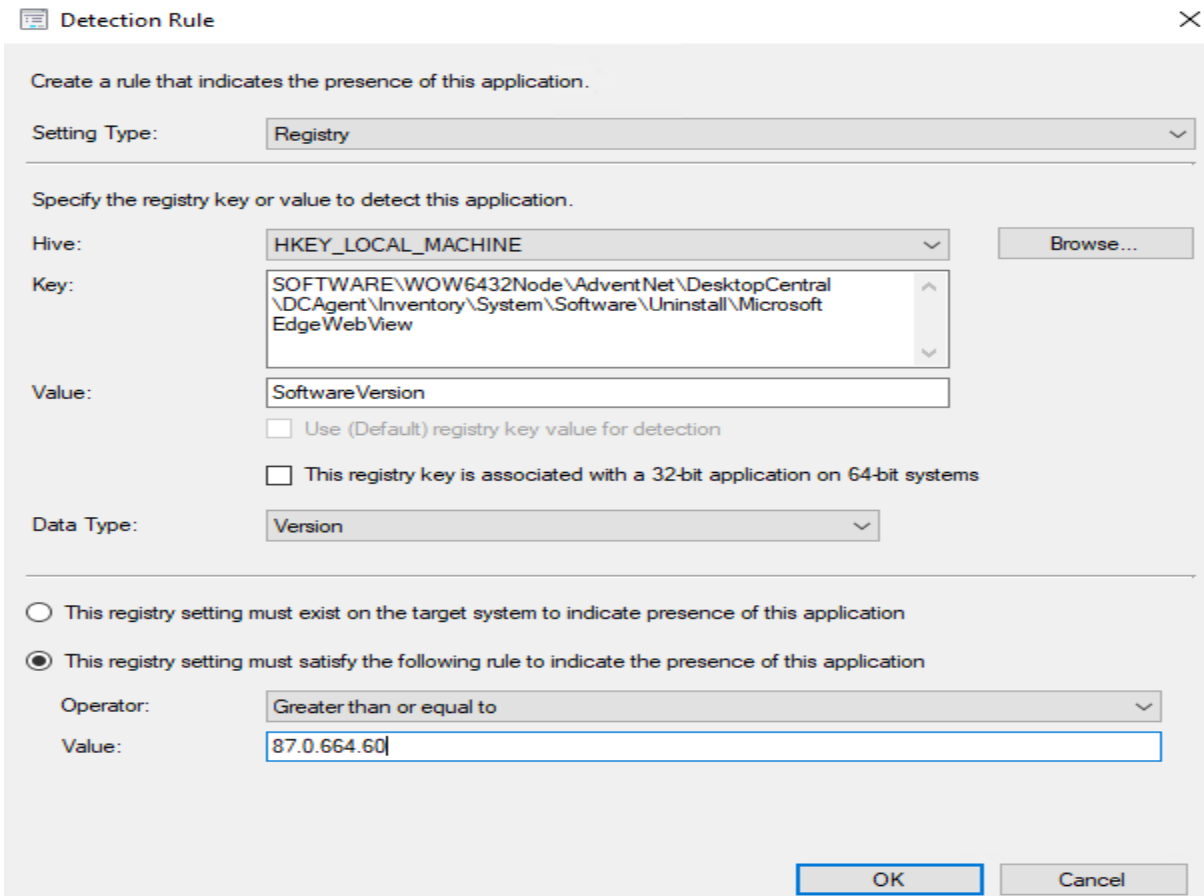
SOFTWARE\WOW6432Node\AdventNet\DesktopCentral\DCAgent\Inventory\System\Software\Uninstall\Microsoft EdgeWebView

Value – SoftwareVersion

Data Type – Version

Operator – Greater than or equal to

Value – 87.0.664.60





Detection Method

- General
- General Information
- Content
- Detection Method**
- User Experience
- Requirements
- Dependencies
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- Completion

Specify how this deployment type is detected

Specify how Configuration Manager determines whether this deployment type is already present on a device. This detection occurs before the content is installed or when software inventory data is collected.

Configure rules to detect the presence of this deployment type:

	Connector	(Clause)
▶			LocalMachine\SOFTWARE\WOW6432Node\Adv...	

- Add Clause...
- Edit Clause...
- Delete Clause

- Group
- Ungroup

Use a custom script to detect the presence of this deployment type:

Script type:

Script length:

Edit...

- < Previous
- Next >
- Summary
- Cancel



User Experience

- General
- General Information
- Content
- Detection Method
- User Experience**
- Requirements
- Dependencies
- Summary
- Progress
- Completion

Specify user experience settings for the application

Installation behavior:

Logon requirement:

Installation program visibility:

Allow users to view and interact with the program installation



Specify the maximum run time and estimated installation time of the deployment program for this application. The estimated installation time displays to the user when the application installs.

Maximum allowed run time (minutes):

Estimated installation time (minutes):

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



Requirements

General

- General Information
- Content
- Detection Method
- User Experience
- Requirements**
- Dependencies
- Summary
- Progress
- Completion

Specify installation requirements for this deployment type

Specify any requirements, such as hardware features or the operating system version, that devices must have before they can install this deployment type. Configuration Manager verifies that these requirements are met before content is deployed to the device.

Requirements:

Filter...		
Requirement Type	Operator	Values
There are no items to show in this view.		



Add... Edit... Delete

< Previous **Next >** Summary Cancel

Edit Requirement



Category:

Device

Condition:

Operating system

Rule type:

Value

Operator:

One of

Select all

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10
 - All Windows 10 (ARM64)
 - All Windows 10 Enterprise multi-session and higher
 - All Windows 10 (64-bit)
 - All Windows 10 (32-bit)



OK Cancel



Requirements

General

- General Information
- Content
- Detection Method
- User Experience
- Requirements**
- Dependencies
- Summary
- Progress
- Completion

Specify installation requirements for this deployment type

Specify any requirements, such as hardware features or the operating system version, that devices must have before they can install this deployment type. Configuration Manager verifies that these requirements are met before content is deployed to the device.

Requirements:

Requirement Type	Operator	Values
Operating system	One of	{All Windows 10 (64-bit)}

Add... Edit... Delete

< Previous Next > Summary Cancel



Summary

General

- General Information
- Content
- Detection Method
- User Experience
- Requirements
- Dependencies
- Summary**
- Progress
- Completion

Confirm the settings for this deployment type

Details:

General Information:

- Name: Webview2 Edge
- Technology: Script Installer
- Administrator comments:
- Languages:

Content:

- Content location: \\cb\Sources\Windows Application\Edge WebView 2
- Persist in client cache: No
- Installation program: MicrosoftEdge\WebView2RuntimeInstallerX64.exe /silent /install
- Installation start in:

Detection Method:

User Experience:

- Installation behavior: Install for system if resource is device; otherwise install for user
- Login requirement: Whether or not a user is logged on
- Installation priority: Hidden
- Allow users to interact with this program: No
- Maximum allowed run time (minutes): 120
- Estimated install time (minutes): 0

Requirements:

- Operating system One of {All Windows 10 (64-bit)}

Dependencies:

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

< Previous Next > Summary Cancel



Completion

General

- General Information
- Content
- Detection Method
- User Experience
- Requirements
- Dependencies
- Summary
- Progress
- Completion**



The Create Deployment Type Wizard completed successfully

Details:

- Success: General Information:
 - Name: Webview2 Edge
 - Technology: Script Installer
 - Administrator comments:
 - Languages:
- Success: Content:
 - Content location: \\cb\Sources\Windows Application\Edge WebView 2
 - Persist in client cache: No
 - Installation program: MicrosoftEdgeWebView2RuntimeInstallerX64.exe /silent /install
 - Installation start in:
- Success: Detection Method:
- Success: User Experience:
 - Installation behavior: Install for system if resource is device; otherwise install for user
 - Login requirement: Whether or not a user is logged on
 - Installation priority: Hidden
 - Allow users to interact with this program: No
 - Maximum allowed run time (minutes): 120
 - Estimated install time (minutes): 0
- Success: Requirements:
 - Operating system: One of {All Windows 10 (64-bit)}

To exit the wizard, click Close.

- < Previous
- Next >
- Summary
- Close**



Deployment Types

General

- General Information
- Software Center
- Deployment Types**
- Summary
- Progress
- Completion

Configure deployment types and the priority in which they will be applied for this application

Deployment types include information about the installation method and the source files for this application.

Deployment types:

- Increase Priority
- Decrease Priority

Filter...

Priority	Name	Type	Languages
1	Webview2 Edge	Script	

- Add...**
- Edit...
- Copy
- Delete

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



Summary

- General
- General Information
- Software Center
- Deployment Types
- Summary**
- Progress
- Completion

Confirm the settings for this application

Details:

- General Information:
- Application name: Edge Webview 2
 - Administrator comments:
 - Publisher:
 - Software version:
 - Optional reference:

Categories:

- Owners:
- Administrator

- Support contacts:
- Administrator

- Software Center entries specified for the following languages:
- en-CA

- Deployment type names:
- Webview2 Edge

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

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Next >

Summary

Cancel



Completion

- General
- General Information
- Software Center
- Deployment Types
- Summary
- Progress
- Completion**



The Create Application Wizard completed successfully

Details:

- ✓ Success: General Information:
- Application name: Edge Webview 2
 - Administrator comments:
 - Publisher:
 - Software version:
 - Optional reference:

- ✓ Success: Categories:

- ✓ Success: Owners:
- Administrator

- ✓ Success: Support contacts:
- Administrator

- ✓ Success: Software Center entries specified for the following languages:
- en-CA

- ✓ Success: Deployment type names:
- Webview2 Edge

To exit the wizard, click Close.

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Summary

Close

Now deploy to Win 10 collection.

Deploy Software Wizard ✕

 General

General

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

Specify general information for this deployment

Software:


Collection:

Use default distribution point groups associated to this collection

Automatically distribute content for dependencies

Comments (optional):

Deploy Software Wizard ✕

 Content

General

- Content**
- Deployment Settings
- Scheduling
- User Experience
- Alerts
- Summary
- Progress
- Completion

Specify the content destination

Distribution points or distribution point groups that the content has been distributed to:

Name	Type
There are no items to show in this view.	

Additional distribution points, distribution point groups, and the distribution point groups that are currently associated with collections to distribute content to:

Filter...

Name	Description	Associations
WIN8.RAMLAN.CA	Distribution point	



Deployment Settings

General

Content

Deployment Settings

Scheduling

User Experience

Alerts

Summary

Progress

Completion

Specify settings to control how this software is deployed

Action:

Purpose:

- Allow end users to attempt to repair this application
- Pre-deploy software to the user's primary device
- Send wake-up packets
- Allow clients on a metered Internet connection to download content after the installation deadline, which might incur additional costs

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Summary

Cancel



Summary

General

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Deployment Settings

Scheduling

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Alerts

Summary

Progress

Completion

Confirm the settings for this new deployment

Details:

General

- Software: Edge Webview 2
- Collection: Win 10 (Member Count: 1)
- Use default distribution point groups associated to this collection: Disabled
- Automatically distribute content for dependencies: Enabled

Deployment Settings

- Action: Install
- Purpose: Required
- Allow end users to attempt to repair this application: Disabled
- Pre-deploy software to the user's primary device: Disabled
- Send wake-up packets: Disabled
- Allow clients to use a metered Internet connection to download content: Disabled

Application Settings (retrieved from application in software library)

- Application Name: Edge Webview 2
- Application Version:
- Application Deployment Types: Script Installer

Scheduling

- Time based on: UTC
- Available Time: As soon as possible
- Deadline Time: Disabled
- Delayed enforcement on deployment: Disabled

User Experience

- User notifications: Display in Software Center, and only show notifications for computer restarts
- Ignore Maintenance Windows: Disabled
- System restart (if required to complete the installation): Disabled
- Commit changes at deadline or during a maintenance window (requires restarts): Enabled

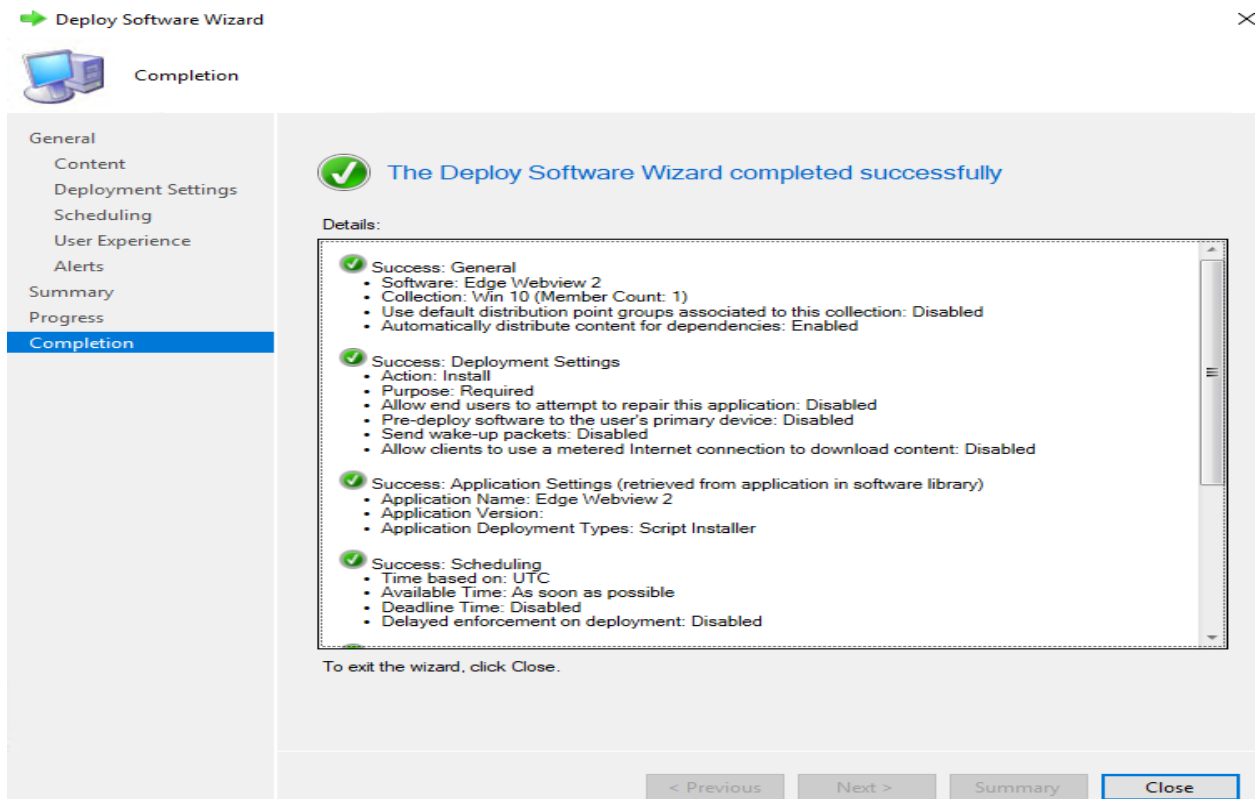
To change these settings, click Previous. To apply the settings, click Next.

< Previous

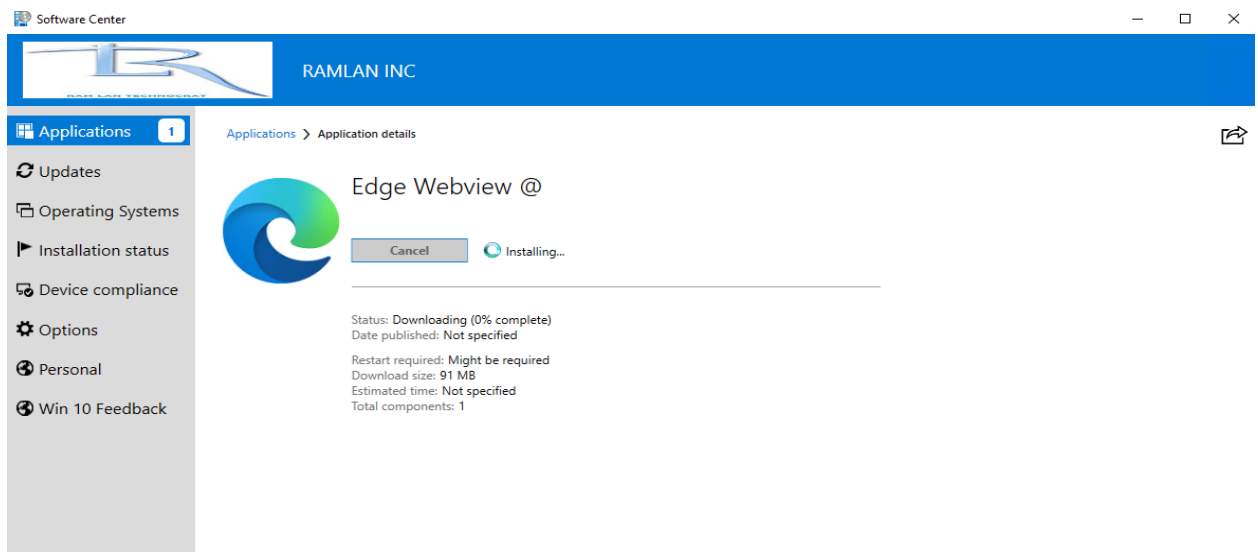
Next >

Summary

Cancel



Test the deployment by running Machine and User policy on a Win 10 workstation.



Wait for the install to complete. This concludes Edge WebView 2 install.

Thanks

Ram Lan
25th Dec 2020