

How to deploy new MS Edge for Business (aka Chromium)

In this post, I will show you how to create and deploy Microsoft Edge (aka Chromium) to Windows 7, 8.1 and 10 workstations within the lab.

Please visit below link to download MSI for x64 and Policy file for configuring Edge GPO.

<https://www.microsoftedgeinsider.com/en-us/enterprise>

<https://docs.microsoft.com/en-us/DeployEdge/overview-edge-in-the-enterprise>

There are also installers for 32-bit and macOS operating systems, information on the new capabilities as well as links to important resources such as the **new documentation**. The first thing you see in it is this graphic, which gives us a good idea of what to expect from the project, and why Microsoft has decided to go down this path.

The next version of Microsoft Edge is designed for enterprises


Rock solid
Fundamentals


Intelligent security for
users and enterprises


End-user and
developer value






Simple, effective
manageability

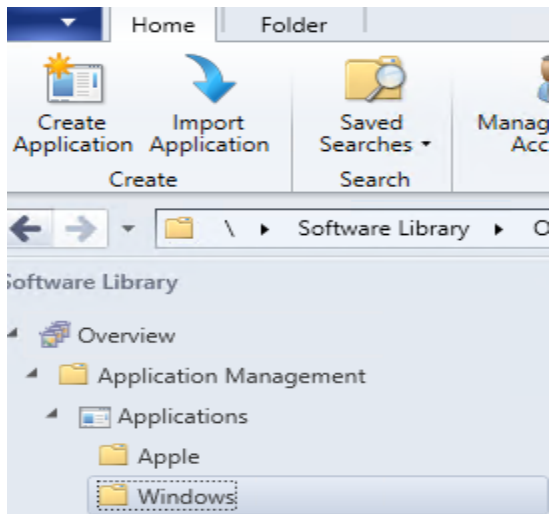
Deploying with System Center Configuration Manager

It's an MSI installer so deployment with Config Manager is fairly straightforward. Create an Application and fill in the information, the default installation command line works fine.

Copied installer file to Sources folder to create and deploy the application.

CB > OS (C:) > Sources > Windows Application > Edge Chromium

Name	Date modified	Type	Size
 policy templates	20-Jul-2019 10:38 ...	File folder	
 updatepolicies	20-Jul-2019 10:38 ...	File folder	
 MicrosoftEdgeDevEnterpriseX64.msi	20-Jul-2019 10:29 ...	Windows Installer ...	74,304 KB
 Policy Templates.zip	20-Jul-2019 10:28 ...	Compressed (zipp...)	3,403 KB



Create Application Wizard



General

General

Import Information

Summary

Progress

Completion

Specify settings for this application

Applications contain software that you can deploy to users and devices in your Configuration Manager environment. Applications can contain multiple deployment types that customize the installation behavior of the application.

Automatically detect information about this application from installation files:

Type:

Location:

Example: \\Server\Share\File

Manually specify the application information

< Previous

Next >

Summary

Cancel



Import Information

General

Import Information

General Information

Summary

Progress

Completion

View imported information



Application information successfully imported from the Windows Installer (*.msi file) file.

Details:

```

Application name: Microsoft Edge Dev
Publisher:
Software version:

Deployment type name: Microsoft Edge Dev - Windows Installer (*.msi file)
Product Code: {3C49B2A9-257B-30CD-9288-0090B6AAC613}
Installation behavior: Install for system

Content location: \\cb\Sources\Windows Application\Edge Chromium\
Number of files: 77
Content files:
  MicrosoftEdgeDevEnterpriseX64.msi
  Policy_Templates.zip
  policy_templates\VERSION
  updatepolicies\msedgeupdate.admx
  policy_templates\common\
  policy_templates\examples\ITAdminExample.plist
  policy_templates\windows\
  policy_templates\common\html\
  policy_templates\common\html\cs-CZ\microsoftedge_policy_list.html
  policy_templates\common\html\da-DK\microsoftedge_policy_list.html
  policy_templates\common\html\de-DE\microsoftedge_policy_list.html

```

To modify any details from the imported information, click Next. To exit this wizard without creating the application, click Cancel.

< Previous

Next >

Summary

Cancel



General Information

General

Import Information

General Information

Summary

Progress

Completion

Specify information about this application

Name:

Administrator comments:

Publisher:

Software version:

Optional reference:

Administrative categories:

Specify the installation program for this application and the required installation rights.

Installation program:

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

Install behavior:

< Previous

Next >

Summary

Cancel



Summary

General

Import Information

General Information

Summary

Progress

Completion

Confirm the settings for this application

Details:

- General Information:
 - Application name: Microsoft Edge Chromium Dev
 - Administrator comments:
 - Publisher: Microsoft
 - Software version: 77.0.218.4
 - Optional reference: Browser
- Categories:
 - Tools
- Deployment type name: Microsoft Edge Dev - Windows Installer (*.msi file)
- Requirement rules:
- Content:
 - Content location: \\cb\Sources\Windows Application\Edge Chromium\
 - Installation program: msiexec /i "MicrosoftEdgeDevEnterpriseX64.msi" /q
- Detection Method:
 - Product code: {3C49B2A9-257B-30CD-9288-0090B6AAC613}
- User Experience:
 - Installation behavior: Install for system

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

< Previous

Next >

Summary

Cancel



Completion

General

Import Information

General Information

Summary

Progress

Completion



The Create Application Wizard completed successfully

Details:

- Success: General Information:
 - Application name: Microsoft Edge Chromium Dev
 - Administrator comments:
 - Publisher: Microsoft
 - Software version: 77.0.218.4
 - Optional reference: Browser
- Success: Categories:
 - Tools
- Success: Deployment type name: Microsoft Edge Dev - Windows Installer (*.msi file)
- Success: Requirement rules:
- Success: Content:
 - Content location: \\cb\Sources\Windows Application\Edge Chromium\
 - Installation program: msiexec /i "MicrosoftEdgeDevEnterpriseX64.msi" /q
- Success: Detection Method:
 - Product code: {3C49B2A9-257B-30CD-9288-0090B6AAC613}
- Success: User Experience:
 - Installation behavior: Install for system

To exit the wizard, click Close.

< Previous


Next >

Summary

Close

Now we can deploy to a 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:

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

Deploy Software Wizard ✕

 **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


An administrator must approve a request for this application on the device

If you also specify an email address, anyone who receives or is forwarded the email can approve this request.

Learn more

Example: user1@contoso.com; user2@contoso.com; user3@contoso.com

Deploy Software Wizard >

 **Scheduling**

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


Specify the schedule for this deployment

This application will be available as soon as possible by default. If this application should be made available at a different time, change the availability time to the desired UTC time.

Time based on:

Schedule the application to be available at:

Deploy Software Wizard ×

 User Experience

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

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

Specify user experience setting for this deployment

User notifications:

When software changes are required, show a dialog window to the user instead of a toast notification

When the installation deadline 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.

Deploy Software Wizard ×

 Alerts

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

Specify Configuration Manager and Operations Manager alert options

Configuration Manager generates alerts when this application is deployed.

Threshold for successful deployment

Create a deployment alert when the threshold is lower than the following:

Percent success:

After:

Threshold for failed deployment

Create a deployment alert when the threshold is higher than the following:

Percent failure:

Enable System Center Operations Manager maintenance mode if you want Operations Manager to generate alerts when this application is deployed.

Enable System Center Operations Manager maintenance mode

Generate System Center Operations Manager alert when a software installation fails



Summary

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

Confirm the settings for this new deployment

Details:

General

- Software: Microsoft Edge Chromium Dev
- Collection: Win 7 (Member Count: 1)
- Use default distribution point groups associated to this collection: Disabled
- Automatically distribute content for dependencies: Enabled

Deployment Settings

- Action: Install
- Purpose: Available
- Allow end users to attempt to repair this application: Disabled
- Allow clients to use a metered Internet connection to download content: Disabled

Application Settings (retrieved from application in software library)

- Application Name: Microsoft Edge Chromium Dev
- Application Version: 77.0.218.4
- Application Deployment Types: Windows Installer (*.msi file)

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

Alerts

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

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



Completion

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

The Deploy Software Wizard completed successfully

Details:

Success: General

- Software: Microsoft Edge Chromium Dev
- Collection: Win 7 (Member Count: 1)
- Use default distribution point groups associated to this collection: Disabled
- Automatically distribute content for dependencies: Enabled

Success: Deployment Settings

- Action: Install
- Purpose: Available
- Allow end users to attempt to repair this application: Disabled
- Allow clients to use a metered Internet connection to download content: Disabled

Success: Application Settings (retrieved from application in software library)

- Application Name: Microsoft Edge Chromium Dev
- Application Version: 77.0.218.4
- Application Deployment Types: Windows Installer (*.msi file)

Success: Scheduling

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

Success: User Experience

- User notifications: Display in Software Center, and only show notifications for computer restarts

To exit the wizard, click Close.

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

	Microsoft Edge Chromium Dev	1	3	Active
	Office 2019 Professional	1	1	Active
	Office 365 ProPlus	1	1	Active
	Sandbox For Win 10	1	1	Active
	System Center Configuration Manager Console	1	1	Active
	VLC media player 3.0.6 (64-bit)	1	1	Active

Microsoft Edge Chromium Dev

Icon	Collection	Deployment Start Time	Purpose	Compliance %	Action
	Win 10	20-Jul-2019 2:51 PM	Available	0.0	Install
	Win 7	20-Jul-2019 2:50 PM	Available	0.0	Install
	Win 8	20-Jul-2019 2:51 PM	Available	0.0	Install

	Microsoft Edge Chromium Dev	1	3	Active
	Office 2019 Professional	1	1	Active
	Office 365 ProPlus	1	1	Active
	Sandbox For Win 10	1	1	Active
	System Center Configuration Manager Console	1	1	Active
	VLC media player 3.0.6 (64-bit)	1	1	Active

Microsoft Edge Chromium Dev

Software Version: 77.0.2101.0
 Manufacturer: Microsoft
 Superseded: No
 Comments:

Devices with Application: 0
 Devices with Installation: 0
 Failure: 0
 Users with Application: 0
 Users with Installation: 0
 Failure: 0
 Users with Catalog: 0
 Installations: 0
 Last Update: 20-Jul-2019 10:46 AM

Application Status

Revision: 1
 Status: Active
 Deployments: 3

Content Status



1 Targeted (Last Update: 20-Jul-2019 10:50 AM)

Success: 1
 In Progress: 0
 Failed: 0
 Unknown: 0



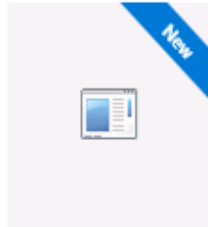
Applications 1

- Updates
- Operating Systems
- Installation status
- Device compliance
- Options
- Personal

All Required

Filter: All

Sort by: Most recent



Microsoft Edge
Chromium Dev
Microsoft
77.0.218.4



Applications 1

- Updates
- Operating Systems
- Installation status
- Device compliance
- Options
- Personal

Applications > Application details



Microsoft Edge Chromium Dev

Published by Microsoft

Install

Status: Available
Version: 77.0.218.4
Date published: Not specified

Restart required: Might be required
Download size: 105 MB
Estimated time: Not specified
Total components: 1

Managing with Group Policy

DC > Downloads > Edge Chromium > policy_templates > windows

Name	Date modified	Type
adm	09-Jul-2019 5:29 AM	File folder
admx	09-Jul-2019 5:29 AM	File folder

DC > Downloads > Edge Chromium > policy_templates > windows > admx

Name	Date modified	Type	Size
cs-CZ	09-Jul-2019 5:29 AM	File folder	
da-DK	09-Jul-2019 5:29 AM	File folder	
de-DE	09-Jul-2019 5:29 AM	File folder	
el-GR	09-Jul-2019 5:29 AM	File folder	
en-US	09-Jul-2019 5:29 AM	File folder	
es-ES	09-Jul-2019 5:29 AM	File folder	
fi-FI	09-Jul-2019 5:29 AM	File folder	
fr-FR	09-Jul-2019 5:29 AM	File folder	
hu-HU	09-Jul-2019 5:29 AM	File folder	
it-IT	09-Jul-2019 5:29 AM	File folder	
ja-JP	09-Jul-2019 5:29 AM	File folder	
ko-KR	09-Jul-2019 5:29 AM	File folder	
nb-NO	09-Jul-2019 5:29 AM	File folder	
nl-NL	09-Jul-2019 5:29 AM	File folder	
pl-PL	09-Jul-2019 5:29 AM	File folder	
pt-BR	09-Jul-2019 5:29 AM	File folder	
pt-PT	09-Jul-2019 5:29 AM	File folder	
ru-RU	09-Jul-2019 5:29 AM	File folder	
sv-SE	09-Jul-2019 5:29 AM	File folder	
tr-TR	09-Jul-2019 5:29 AM	File folder	
zh-CN	09-Jul-2019 5:29 AM	File folder	
zh-TW	09-Jul-2019 5:29 AM	File folder	
msedge.admx	08-Jul-2019 9:16 PM	ADMX File	242 KB

If desired, also extract the msedgeupdate.admx and .adml files to manage the updater function of Edge (Chromium). These policies are only available in English at the moment.

If you are just testing on PC using local group policy, copy everything to C:\Windows\PolicyDefinitions. If you want to manage PCs with Edge Dev in a domain, copy the files to the PolicyDefinitions folder of the Sysvol share in the domain.

Network > dc > SYSVOL > RAMLAN.CA > Policies > PolicyDefinitions

Name	Date modified	Type	Size
msedge.admx	08-Jul-2019 9:16 PM	ADMX File	242 KB
msedgeupdate.admx	06-Jul-2019 1:14 AM	ADMX File	31 KB

Network > dc > SYSVOL > RAMLAN.CA > Policies > PolicyDefinitions > en-US

Name	Date modified	Type	Size
msedge.adml	08-Jul-2019 9:16 PM	ADML File	331 KB
msedgeupdate.adml	06-Jul-2019 1:14 AM	ADML File	49 KB

- Computer Configuration
 - Policies
 - Software Settings
 - Windows Settings
 - Administrative Templates: Policy definitions (ADMX files) retrieved from tl
 - Control Panel
 - Microsoft Edge
 - Cast
 - Content settings
 - Default search provider
 - Extensions
 - HTTP authentication
 - Native Messaging
 - Password manager and protection
 - Printing
 - Proxy server
 - SmartScreen settings
 - Startup, home page and new tab page
 - Microsoft Edge - Default Settings (users can override)
 - Content settings
 - Password manager and protection
 - Printing
 - SmartScreen settings
 - Startup, home page and new tab page
 - Microsoft Edge Update
 - Applications
 - Microsoft Edge
 - Microsoft Edge Beta
 - Microsoft Edge Canary
 - Microsoft Edge Dev

- User Configuration
 - Policies
 - Software Settings
 - Windows Settings
 - Administrative Templates: Policy definitions (ADMX files) retrieved from the c
 - Control Panel
 - Desktop
 - Microsoft Access 2016
 - Microsoft Edge
 - Cast
 - Content settings
 - Default search provider
 - Extensions
 - HTTP authentication
 - Native Messaging
 - Password manager and protection
 - Printing
 - Proxy server
 - SmartScreen settings
 - Startup, home page and new tab page
 - Microsoft Edge - Default Settings (users can override)
 - Content settings
 - Password manager and protection
 - Printing
 - SmartScreen settings
 - Startup, home page and new tab page

Here are few settings that can be configured within GPO

Setting	State	Comment
Cast		
Content settings		
Default search provider		
Extensions		
HTTP authentication		
Native Messaging		
Password manager and protection		
Printing		
Proxy server		
SmartScreen settings		
Startup, home page and new tab page		
Enable deleting browser and download history	Not configured	No
Allow file selection dialogs	Not configured	No
Always open PDF files externally	Not configured	No
Set application locale	Not configured	No
Allow or block audio capture	Not configured	No
Sites that can access audio capture devices without requesting permission	Not configured	No
Automatically import another browser's data and settings at first run	Not configured	No
Enable AutoFill for addresses	Not configured	No
Enable AutoFill for credit cards	Not configured	No
Continue running background apps after Microsoft Edge closes	Not configured	No
Block third party cookies	Not configured	No
Enable profile creation from the Identity flyout menu or the Settings page	Not configured	No
Enable guest mode	Not configured	No
Allow queries to a Browser Network Time service	Not configured	No
Browser sign-in settings	Not configured	No
Use built-in DNS client	Not configured	No
Disable Certificate Transparency enforcement for a list of subjectPublicKeyInfo hashes	Not configured	No
Disable Certificate Transparency enforcement for a list of legacy certificate authorities	Not configured	No
Disable Certificate Transparency enforcement for specific URLs	Not configured	No
Enable component updates in Microsoft Edge	Not configured	No
Configure Do Not Track	Not configured	No
Configure Online Text To Speech	Not configured	No
Set Microsoft Edge as default browser	Not configured	No
Control where developer tools can be used	Not configured	No
Disable support for 3D graphics APIs	Not configured	No
Disable taking screenshots	Not configured	No
Set disk cache directory	Not configured	No
Set disk cache size, in bytes	Not configured	No
Set download directory	Not configured	No
Allow download restrictions	Not configured	No
Allows users to edit favorites	Not configured	No
Re-enable deprecated web platform features for a limited time	Not configured	No
Enable Domain Actions Download from Microsoft	Not configured	No
Enable online OCSP/CRL checks	Not configured	No
Enable favorites bar	Not configured	No
Configure Bing SafeSearch	Not configured	No

Setting	State	Comme
Configure Bing SafeSearch	Not configured	No
Enable use of ephemeral profiles	Not configured	No
Enforce Google SafeSearch	Not configured	No
Force minimum YouTube Restricted Mode	Not configured	No
Allow full screen mode	Not configured	No
Use hardware acceleration when available	Not configured	No
Allow importing of autofill form data	Not configured	No
Allow importing of favorites	Not configured	No
Allow importing of browsing history	Not configured	No
Allow importing of home page settings	Not configured	No
Allow importing of payment info	Not configured	No
Allow importing of saved passwords	Not configured	No
Allow importing of search engine settings	Not configured	No
Configure InPrivate mode availability	Not configured	No
Configure Internet Explorer integration	Not configured	No
Enable site isolation for specific origins	Not configured	No
Configure favorites	Not configured	No
Manage Search Engines	Not configured	No
Maximum number of concurrent connections to the proxy server	Not configured	No
Allow Google Cast to connect to Cast devices on all IP addresses	Not configured	No
Enable usage and crash-related data reporting	Not configured	No
Enable network prediction	Not configured	No
Control where security restrictions on insecure origins apply	Not configured	No
Enable Proactive Authentication	Not configured	No
Enable full-tab promotional content	Not configured	No
Ask where to save downloaded files	Not configured	No
Allow QUIC protocol	Not configured	No
Notify a user that a browser restart is recommended or required for pending updates	Not configured	No
Set the time period for update notifications	Not configured	No
Specify if online OCSP/CRL checks are required for local trust anchors	Not configured	No
Enable resolution of navigation errors using a web service	Not configured	No
Restrict which accounts can be used as Microsoft Edge primary accounts	Not configured	No
Extend Adobe Flash content setting to all content	Not configured	No
Allow users to proceed from the SSL warning page	Not configured	No
Minimum SSL version enabled	Not configured	No
Disable saving browser history	Not configured	No
Enable search suggestions	Not configured	No
Websites or domains that don't need permission to use direct Security Key attestation	Not configured	No
Send all intranet sites to Internet Explorer	Not configured	No
Send site information to improve Microsoft services	Not configured	No
Show Microsoft Office shortcut in favorites bar	Not configured	No
Enable site isolation for every site	Not configured	No
Enable spellcheck	Not configured	No
Enable specific spellcheck languages	Not configured	No
Suppress the unsupported OS warning	Not configured	No
Disable synchronization of data using Microsoft sync services	Not configured	No
Configure tab lifecycles	Not configured	No
Configure tab lifecycles	Not configured	No
Enable ending processes in the Browser task manager	Not configured	No
Enable Translate	Not configured	No
Define a list of allowed URLs	Not configured	No
Block access to a list of URLs	Not configured	No
Set the user data directory	Not configured	No
Allow user feedback	Not configured	No
Allow or block video capture	Not configured	No
Sites that can access video capture devices without requesting permission	Not configured	No
Set WPAD optimization	Not configured	No
Allow WebDriver to Override Incompatible Policies	Not configured	No
Restrict exposure of localhost IP address by WebRTC	Not configured	No
Restrict the range of local UDP ports used by WebRTC	Not configured	No

This is the big one. If this feature is implemented correctly, we can finally have the speed and productivity enhancements of modern browsers while maintaining full compatibility to legacy websites. With IE mode, it is already possible to open websites with Internet Explorer, inside a new browser tab in Edge (Chromium). Couple that with policies such as „open all intranet sites in Internet Explorer“ or a well-configured Enterprise Mode Site list, and Microsoft will finally deliver the seamless experience that the duo of Edge (UWP) and IE never managed to fully achieve.

Then, enterprises will hopefully be able to move on from still deploying IE as the main browser (it's the only one that works with all our sites), instead using IE mode for all legacy sites that require it and the new Edge (Chromium) for everything else.

As you can see, deploying and managing the new Microsoft Edge (Chromium) is currently no different from deploying and managing with Chrome. For this reason, it's possible that Microsoft will integrate Edge (Chromium) and make it a part of Windows, delivering updates via Windows Update, as they did with Edge (UWP). Or, it's possible that they will keep it separate, to make sure that deployment paths are the same for all Windows platforms.

In the coming months and weeks, we will also see more features for enterprises. Windows insiders can already test biometrics support of the new browser in the form of Windows Hello integration. You can already sign in with your Microsoft Account to sync bookmarks and settings. This capability will be extended to allow users with Azure AD Accounts to sync and provide single-sign on experiences when the user is logged into Windows with an Azure AD account.

Thanks

Ram Lan
20th Jul 2019