Oracle[®] Hospitality OPERA Property Management Workstation Setup Guide Release 5.5.0.24+ E76452-04

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Preface

This document describes Workstation setup for Oracle Hospitality OPERA Property Management Version 5.5 and higher.

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL: https://support.oracle.com

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received and any associated log files
- Screen shots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at http://docs.oracle.com/en/industries/hospitality/

Revision History

Date	Description of Change
June, 2016	Initial publication.
July, 2016	Minor updates.
April, 2018	• Updates to reflect current version information.
April 2022	Updated IE compatibility sections
May 2022	Updates for IE and acrobat support

1 Workstation Operating System Requirement

To run Oracle Hospitality OPERA Property Management Version 5.5 and higher, your workstation must use one of these operating systems:

- Windows 7 Professional Edition
- Windows 8 Professional Edition
- Windows 10 Professional Edition



2 Workstation Setup Utility

The workstation setup utility is designed to simplify the configuration required to run OPERA 5 on Microsoft Edge with IE11 compatibility mode." Please see MOS article (Doc ID: 2869285.1) https://support.oracle.com/epmos/faces/DocumentDisplay?id=2869285.1

If you use the Workstation Setup Utility, skip over sections 3 and 4.

3 Installing the Java Runtime Client

1. Refer to the *OPERA 5 and OPERA Cloud Client and Server Compatibility Matrix* document on the Oracle Help Center at https://docs.oracle.com/en/industries/hospitality to find the required JRE version (for example, JRE 7 or JRE 8).

OPERA 5 Matrix:

https://docs.oracle.com/en/industries/hospitality/pdf/OPERA%205%20Client%20and%20Server%20Compatibility%20Matrix.pdf

OPERA Cloud Matrix:

https://docs.oracle.com/en/industries/hospitality/pdf/OPERA%20Cloud%20Client%2 0Compatibility%20Matrix.pdf

Note: While the latest update of a supported JRE is recommended, the specific versions of JRE used during QA of an OPERA patch can be found in the application release notes.

- 2. Log on to the workstation with a user account that has local administrator rights.
- 3. Download the required JRE version from one of these pages:
 - http://www.oracle.com/technetwork/java/javase/downloads/jre8downloads-2133155.html
 - http://www.oracle.com/technetwork/java/javase/archive-139210.html
- **4.** Next to **Windows x86 Offline**, click the link jre-xxxx-windows-i586.exe to begin the download.

Note: Only 32-bit versions of the JRE are supported with OPERA.

- 5. When asked if you want to run or save from download.oracle.com, click Run.
- 6. Click the Java icon on the taskbar.

ORACLE	
	Welcome to Java
	ides safe and secure access to the world of amazing Java n business solutions to helpful utilities and entertainment, Jav makes your internet experience come to life.
	ersonal information is gathered as part of our install process <u>ck here</u> for more information on what we do collect.
Click Ins	tall to accept the license agreement and install Java now.

7. On the Java Setup - Welcome screen, click Install.

After the installation has completed, the **Java Setup - Uninstall out-of-date versions** screen appears.

ORACIA				
	Out-of-Date	Java version	s Dete	cted
Your machine is at risk for serious security vuln recommended that you promptly uninstall out- see List of the Java Versions				
Click 'Uninstall'	to remove out-of	date versions no	w	
	talling out-of-date			se some older

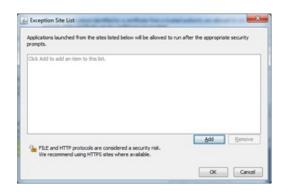
- 8. Click Uninstall.
- **9.** Click the Microsoft Windows Start button.

₽ See	more result	s	
config	gure java		×
	6	66	W
<u>.</u>			

- **10.** Click in the **Search programs and files** field, type configure java and then press **Enter**.
- 11. On the Java Control Panel screen, click the Security tab.

Java Control Panel		
General Java Security Advar	ced	
C Enable Java content in the br	owser	
Security level for applications no	ot on the Exception Site list	
Very High		
	tified by a certificate from a trusted au an be verified as not revoked.	thority are allowed to run,
 High 		
	I by a certificate from a trusted authori e certificate cannot be verified.	ty are allowed to run, even if
Exception Site List		
Applications launched from the prompts.	ne sites listed below will be allowed to ru	in after the appropriate securit
Click Edit Site List to add items to this list.		Edit Site List
	Restore Security Prompts	Manage Certificates
	ox	Cancel Acoly

12. Click Edit Site List....



13. On the Exception Site List screen, click Add.

	Location	
[https://www.example.com/dr/ or https://www.example.com/app.html		
a utile finance quality routint to utile finance routine rout 40° your		
Exception Site List Applications launched from the sites listed below will be allowed to run after the appropriate security prompts. Location Total and HTTP protocols are considered as security relat. We recommend using HTTPs sites where available. X Canodi X C		

14. Click in the **Location** field, enter your OPERA application URL with http and then click **Add**.

For example, depending on your OPERA application version and hosted location, your URLs should look something like:

http://<yourOPERAURL>.microsdc.us

Or

http://<yourSSD>-prod-<yourENV>.hospitality.oracleindustry.com

Note: Do not enter a URL that includes 'OAM', also do not include any paths beyond the hostname that ends in .com.

15. Click in the **Location** field, enter your OPERA application URL with https http and then click **Add**.

For example, depending on your OPERA application version and hosted location, your URLs should look something like:

- https://<yourOPERAURL>.microsdc.us
 Or
- https://<yourSSD>-prod-<yourENV>.hospitality.oracleindustry.com

Note: Do not enter a URL that includes 'OAM', also do not include any paths beyond the hostname which ends in .com.

- **16.** On the Java Control Panel screen, select the Advanced tab.
- **17.** Ensure that the **Use TLS 1.2** check box is checked. If not, select it. **Note:** Older releases of OPERA 5 may also require SSLv3 or TLS1.0 to function.
- 18. Click Apply and then click OK.
- **19.** Close the browser, open it again, and log into OPERA.

4 Setting Microsoft Edge with IE 11 Compatibility manually

Oracle Hospitality OPERA 5 is compatible when Microsoft Edge (based on Chromium) is configured to use Internet Explorer (IE) 11 compatibility mode.

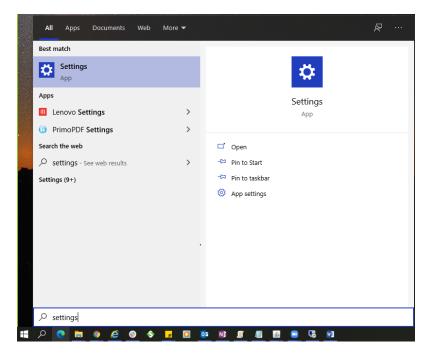
This following section explains the changes required to enable IE 11 Compatibility Mode in Microsoft Edge (based on Chromium).

Note: OPERA 5 is not compatible with Google Chrome, Mozilla Firefox, and other browsers.

Prerequisites

The Windows version should match with one of the versions listed here: https://docs.microsoft.com/en-us/deployedge/edge-ie-mode

How to verify your Microsoft Windows operating system version



1. Go to Windows > Settings

2. Click on System

Setting Microsoft Edge with IE 11 Compatibility manually

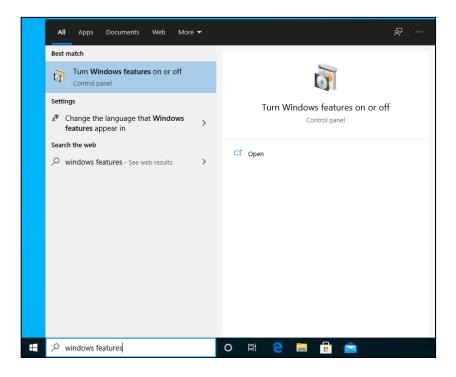
Settings			Windows S	ettin	as		_	×
			Find a setting		۵			
	旦	System Display, sound, notifications, power	Devices Bluetooth, printers, mouse		Phone Link your Android, iPhone		Network & Internet Wi-Fi, airplane mode, VPN	
I	F	Personalization Background, lock screen, colors	Apps Uninstall, defaults, optional features	8	Accounts Your accounts, email, sync, work, other people	A ≱	Time & Language Speech, region, date	

3. Click on About and verify the Version under Windows Specifications

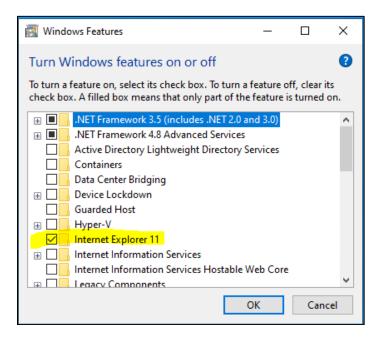
← Settings		- 🗆 X
û Home	About	
Find a setting ρ	Your PC is monitored and protected.	Related settings BitLocker settings
System	Virus & Threat Protection	System info
	S Firewall & Network Protection	
🖵 Display	App & browser control	
	Account protection	Have a question?
句》 Sound	Oevice security	Finding out how many cores my processor has
Notifications & actions	See details in Windows Security	
J Focus assist		Get help
O Power & sleep	Device specifications	Give feedback
📼 Storage	Device name wfivm05395	
다. Tablet mode	Processor Intel Core Processor (Haswell, no TSX) 2.19 GHz (2 processors)	
-6 lablet mode	Installed RAM 16.0 GB	
目 Multitasking	Device ID 7D6ACC23-42C5-4482-AF39-331D23E6ADB4	
	Product ID 00329-00000-00003-AA303	
Projecting to this PC	System type 64-bit operating system, x64-based processor	
9.0 c	Pen and touch Pen and touch support with 10 touch points	
X Shared experiences	Rename this PC	
🛱 Clipboard		
✓ Remote Desktop	Windows specifications	
O About	Windows specifications	
- About	Edition Windows 10 Enterprise	
	Version 1903	
	Installed on 9/28/2020	
	OS build 18362.1139	
	Change product key or upgrade your edition of Windows	

Enable Internet Explorer 11 in Windows Features

1. Go to Windows > Turn **Windows features** on or off



2. On the **Windows Features** popup screen, ensure that **Internet Explorer 11** checkbox is checked

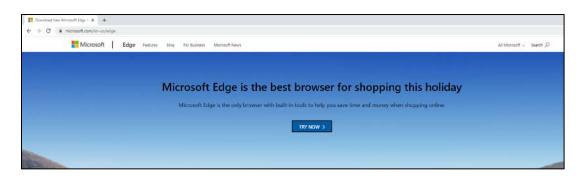


Microsoft Edge Chromium

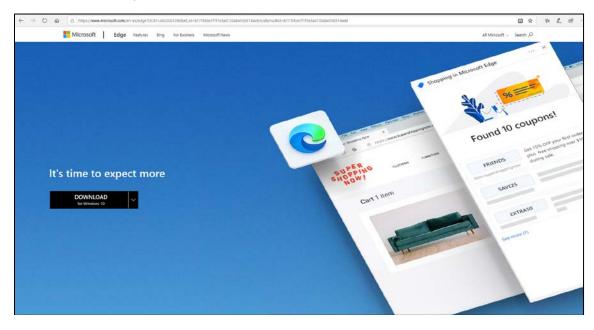
Download and Install Microsoft Edge Chromium

1. Click on the following URL to download Microsoft Edge

https://www.microsoft.com/en-us/edge



Click on "Try Now"

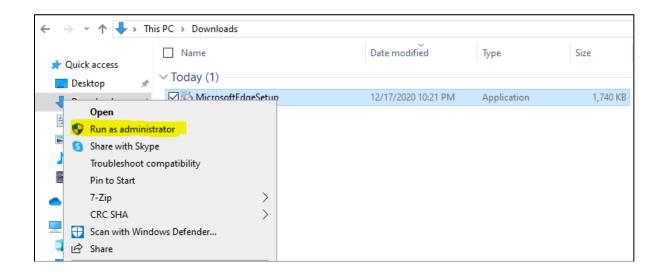


 Select DOWNLOAD for Windows 10 (Choose based on your machine Operating System),
 Popup window "Download the new Microsoft Edge" is displayed. Click on Accept and Download

Download the new Microsoft Edge To install the new browser, you must be the PC administrator and might need
download updates to your Windows 10 PC and restart it.
MICROSOFT SOFTWARE LICENSE TERMS
MICROSOFT EDGE
After installation, these terms are also viewable in Microsoft Edge at edge://terms.
Source code for portions of Microsoft Edge is available free of charge from https://thirdpartysource.microsoft.com under the third party open source license terms provided at http://aka.ms/thirdpartynotices and in Microsoft Edge at edge://credits after installation. Or to obtain this source code you may send a check or money order for US \$5.00, including the Edge version number, to:
Source Code Compliance Team Microsoft Corporation One Microsoft Way Redmond, WA 98052
USA These license terms are an agreement between you and Microsoft
Comparation (or one of its affiliates). They apply to this software published
Privacy statem
Choose install language
English (US) ~ Accept and downloa

What do you want to do with MicrosoftEdgeSetup.exe (1.7 MB)? From: c2rsetup.officeapps.live.com	Run	Save	Cancel	×

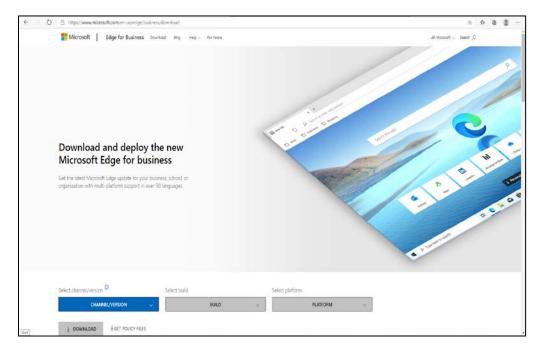
4. Navigate to the location where the Setup file is downloaded. Select the file and right click and then select Run as Administrator. Wait for the Setup to Complete



Microsoft Edge Administrative Template

Download and Configure the Microsoft Edge Administrative template

1. Click on the following URL to download Microsoft Edge Administrative Template https://www.microsoft.com/enus/edge/business/download



2. Select the below CHANNEL / VERSION :- Current and Supported

3. Build :- Latest (current latest 87.0.664.60)

S	elect build]
	BUILD 🗸	
	87.0.664.60	
	87.0.664.57	
rl	87.0.664.55	-
e	87.0.664.52	
əl	87.0.664.47	
	87.0.664.41	

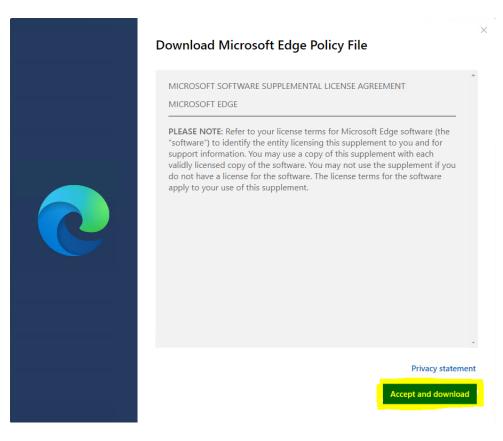
4. Platform :- Windows 64-bit

Selec	t platform		
		PLATFORM	\sim
Win	dows 64-bit		
Win	dows 32-bit		
🧉 Win	dows arm64		
mac	OS 64-bit		

5. Select **GET POLICY FILES**, Download Microsoft Edge Policy File popup window is display

Select channel/version [©]	Select build		Select platform		
Stable 87 (Current and supported) \sim	87.0.664.60	×.	Windows 64-bit \sim		

6. Click on Accept and Download



 Navigate to the download location and extract the Zip file (MicrosoftEdgePolicyTemplates.zip)

🔄 📙 🖛			Extract	Downloads		
File Home Share	View	Comp	ressed Folder Tools			
\leftrightarrow \rightarrow \checkmark \uparrow \clubsuit > Thi	is PC → Dov	/nloads				
🖈 Quick access	□ Name ∨ Today (2) —		Date modified	Туре	Size
Desktop *			IgeSetup	12/17/2020 10:21 PM	Application	1,740 KB
· · · · · · · · ·			gePolicyTemplates	12/17/2020 10:31 PM	Compressed (zipp	7,165 KB
Open Open in new window Share with Skype						
Extract All						
7-Zip		>	Open archive			
CRC SHA Pin to Start		~	Open archive Extract files		>	
Scan for threats			Extract Here			
			Extract to "Micr	osoftEdgePolicyTemplates\"		
 Scan with Windows Defi Share Open with 	ender		Test archive Add to archive			
Give access to			Compress and e			
Restore previous version	15			oftEdgePolicyTemplates.7z" ficrosoftEdgePolicyTemplates.7z"	licmo hac	
Send to	-			ficrosoftEdgePolicyTemplates.zip		
Cut Copy						1
Create shortcut Delete Rename						
Properties						

8. Once the file is extracted to local drive, Go to Windows and launch "Edit Group Policy".

All Apps Documents Web	More 🔻	<i>چ</i>
Best match		
Edit group policy Control panel		
Search the web		Edit group policy
P Edit Group - See web results	>	Control panel
, edit group policy	>	
, edit group policy users	>	🖵 Open
, P edit group policy command	>	
,O edit group policy missing in windows	>	
	>	
, edit group policy xp	>	
,O edit group policy mmc	>	
Settings		
8 Edit local users and groups	>	
P Edit Group policy		o 🛱 💽 👼 🖆

9. On Local Group Policy Editor Window, Navigate to Local Computer Policy > Computer Configuration. Select and do a Right Click on Administrative Templates, and then Select "Add / Remove Templates..."

File Action View Help			
Local Computer Policy	🧾 Local C	omputer Policy	
 Computer Configuration Software Settings 	Select an iten	n to view its description.	Name
 Windows Settings Administrative Temple*** User Configuration Software Settings Windows Settings Administrative Temple 	Add/Remove Templates Filter On Filter Options Re-Apply Filter		Normal Configuration
	All Tasks	>	
	Help		

10. On the **Add/Remove Templates** popup window. Click on **Add** button.

Add/Remove Templates	×
Current Policy Templates:	
Name	Size Modified
Add Remove	Close

11. On the Policy Templates file selection popup window browse to the location where **MicrosoftEdgePolicyTemplates** zip file has been extracted

Policy Templates							×
← → ~ ↑ 🕹 > Th	is PC > Downloads >			~ Ö	Search Downloads		٩
Organize 🔻 New fold	er					•	?
 Pictures * ^ Music 	□ Name ∽ Today (1)	Date modified	Туре	Size			
 Videos OneDrive 	MicrosoftEdgePolicyTemplates	12/17/2020 10:35 PM	File folder				
💻 This PC 🧊 3D Objects							
Desktop							
 Downloads Music Pictures 							
Videos							
鹶 Network 🗸 🗸							
File n	ame:			~	Policy Templates Open	Cance	~ I

Under MicrosoftEdgePolicyTemplates folder browse to windows > adm > en-US, and then select the file "msedge.adm" file and click on Open button.

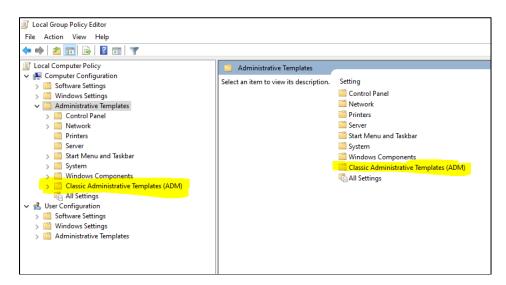
Note: select the appropriate folder under "adm" based on the language you want to setup.

Organize v New folder Pictures Music Videos OneDrive This PC 3D Objects Desktop Documents Videos Pictures Videos	Policy Templates										×
 Pictures Name Date modified Type Size Music Videos OneDrive This PC 3D Objects Desktop Documents Downloads Music Pictures Videos Local Disk (Ci) 	· · · •	→ This PC →	Downloads >	MicrosoftEdgePolicyTemp	lates > windows > adm	<mark>→ en-US</mark> ~	Ō	Search en-US			P
Name Date modified Type Size Music Videos OneDrive This PC 3D Objects Desktop Documents Vomloads Nusic Pictures Videos	Organize 🔻 🛛 Nev	w folder						•			?
Wideos Insequeeum Inse	E Pictures	* ^ 🗆 N	lame	^	Date modified	Туре	Size				
 OneDrive This PC 30 Objects Desktop Documents Documents Domloads Music Pictures Videos Local Disk (C:) 	-		msedge.adm		12/10/2020 4:45 AM	ADM File	- 1,	,131 KB			
 This PC 3D Objects Desktop Documents Downloads Music Fictures Videos Local Disk (C:) 	Videos										
 3D Objects Desktop Documents Downloads Music Pictures Videos Local Disk (C:) 	len OneDrive										
Desktop Documents Documents Downloads Music Pictures Videos Local Disk (C:)	💻 This PC										
 Documents Downloads Music Pictures Videos Local Disk (C:) 	🧊 3D Objects										
Downloads Music Pictures Colors Local Disk (C:)	📃 Desktop										
Music Pictures Videos Local Disk (C:)											
Pictures Videos Local Disk (C:)	•										
Videos Local Disk (C:)	•										
Local Disk (C:)											
	(Land)										
Network v		_									_
File name: msedge.adm		File name: m	nsedge.adm				~	Policy Template	s		\sim
Cancel								Open	C	ancel	

13. Let the file get loaded and click on the Close button

Add/Remove Templates			×
Current Policy Templates:			
Name	Size	Modified	
🗊 msedge	1241KB	12/10/2020 4:4	
Add Remove		Close	

14. Expand Administrative Templates and verify that **Classic Administrative Templates (ADM)** is present.

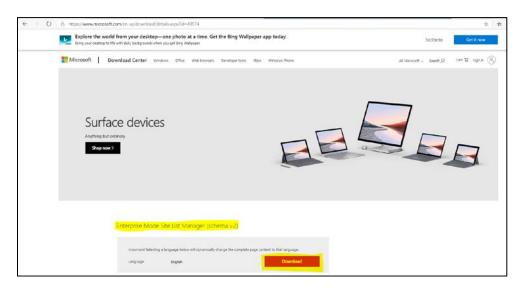


Setting Microsoft Edge with IE 11 Compatibility manually

Enterprise Mode Site List Manager

Download and Install Enterprise Mode Site List Manager

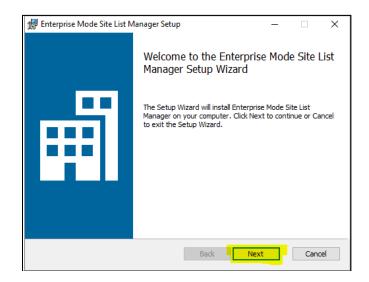
1. Click on the following URL to download Enterprise Mode Site List Manager https://www.microsoft.com/en-us/download/details.aspx?id=49974 Download the Enterprise Mode Site List Manager (schema v.2)



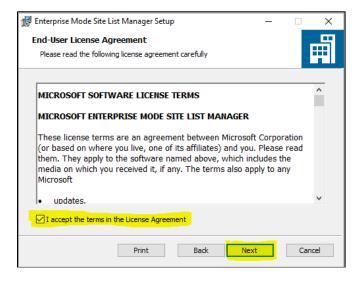
2. Navigate to the location where the .msi file has been downloaded. Install the **EMIESiteListManager.msi**, Enterprise Mode Site List Manger Setup window is displayed

File Home SI	hare	View Application Tools			
← → ~ ↑ ↓ >	This	PC → Downloads			
🖈 Quick access		Name	Date modified	Туре	Size
📃 Desktop	*	∕ Today (4)			
👆 Downloads	*	🚯 MicrosoftEdgeSetup	12/17/2020 10:21 PM	Application	1,740 KB
Documents	*	MicrosoftEdgePolicyTemplates	12/17/2020 10:31 PM	Compressed (zipp	7,165 KB
		MicrosoftEdgePolicyTemplates	12/17/2020 10:35 PM	File folder	
Pictures	*	Call EMIESitel int Manager	12/17/2020 10:49 PM	Windows Installer	520 KB
Install					
Repair					
Uninstall					
Share with Skype					
Troubleshoot com	oatibili	ty			
7-Zip		>			
CRC SHA		>			

3. Click on Next button



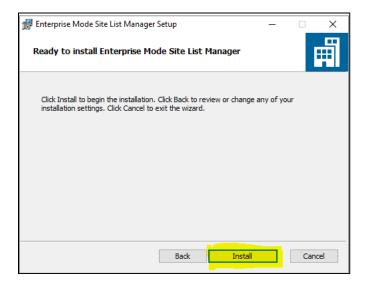
4. Select the Checkbox for End-User License Agreement and click on Next button



5. On the Destination Folder do not make any change and click in **Next** button

🕼 Enterprise Mode Site List Manager Setup	_		×
Destination Folder			
Click Next to install to the default folder or click Change to choose ar	nother.		
Install Enterprise Mode Site List Manager to:			
C:\Program Files (x86)\Enterprise Mode Site List Manager\			-
Change			
Back Nex	2	Can	cel

6. On the Ready to Install Enterprise Mode Site List Manager window click on the Install button



7. Click on Finish button

🔀 Enterprise Mode Site List M	lanager Setup	-		×
	Completed the Enterprise Manager Setup Wizard	e Mode	Site Li	ist
	Click the Finish button to exit the Set	tup Wizard	đ.	
	Back	sh	Cano	el

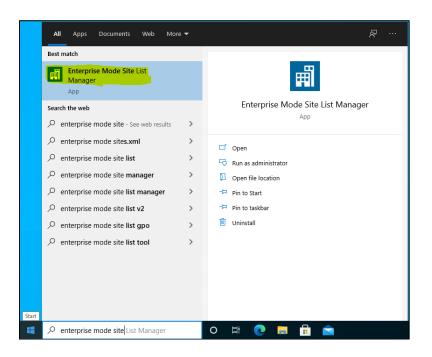
Configurations

This section will explain on how to add OPERA 5 Sites in Enterprise Mode Site List Manager and then configure the following settings in local Group Policy Editor.

- Configure the Enterprise Mode Site List
- Use the Enterprise Mode IE website list
- Configure the Enterprise Mode Site List
- Allow Microsoft Compatibility List
- Send all Intranet sites to Internet Explorer 11

Once the sites are added and the above mentioned settings are configured, the sites can then be launched from Microsoft Edge Chromium browser.

1. Navigate to Windows > Enterprise Mode Site List Manger



2. On the Enterprise Mode Site List Manger for v.2 schema popup window, click on the Add button

💼 Enterprise Mode Site List Ma		-	×
File Help <u>Configure IE mode</u>	Version:		
Search:	Version: Created		
URL	Open In Standalone IE Allow Redirect Compat Mode	011.	
	Notes a	bout URL:	
Add Edit	Delete		

3. Add new Website window is displayed

Add new website		×
URL:		
Open In: IE11	Standalone IE: Allow Redirect:	
Compat Mode:	Default Mode ~	
Notes about UR	L:	
	Save Cancel	

- 4. Provide below details for the site to be used in Compatibility mode
- URL
 - **NOTE :-** Make sure that no protocol is specified when adding the URL.
- Using a URL like **contoso.com**, will automatically applies both **http://contoso.com** and **https://contoso.com**.
- Open In :- IE11
- Standalone IE :- Unchecked
- Allow Redirect :- Checked
- Compat Mode :- Default Mode
- Notes about URL :- Provide some description for the URL (This step is optional)
- Click on the **Save** button.

URL: wfopera5	launchpad12214.us.oracle.com
Open In: IE11	Standalone IE: 🔲 Allow Redirect: 🔽
Compat Mode:	Default Mode ~
Notes about UR WFLP Cloud en	

5. On the Enterprise Mode Site List Manger for v.2 schema popup window, navigate to **File > Save to XML**

			Enterprise Mode Site List Manag	er for v.2 s	chema				_	×
		File	Help Configure IE mode							
Y	Validate URLs Flag neutral sites Clear list Bulk add from file Seave to YML Import Export Exit	Ctrl+S	arch:	Open In IE11	Standalone IE False	Allow Redirect True	Compat Mode Default	Version: Created On: Notes about URL:		
			Add Edit	Delete						

6. Navigate to a location where you want to save the Site List XML, and save the file.

Note: This XML file is used in configure the settings in "Use the Enterprise Mode IE website list".

So it is recommended you override the same existing saved XML file whenever you add new sites.

For Ex: if you save the file as "IEMode.xml", next time when you add a new site, see that you choose the same file.

Save as									×
									~
$\leftarrow \rightarrow \land \uparrow$	> This	; PC → Local Disk (C:)	> Users > vispanwa >	Documents		~ Ū	Search [Documents	Q
Organize 👻 New	v folde	r							• ?
Music	^	Name	^	Date modified	Туре	Size			
Videos		🕑 IEMode		12/17/2020 11:10 PM	XML Document		1 KB		
OneDrive									
This PC									
3D Objects									
E. Desktop									
🗎 Documents									
Downloads									
👌 Music									
Pictures									
🔠 Videos									
🏪 Local Disk (C:)									
-	~								
File name:	IEMod	e							~
Save as type:	XML Fi	les (*.xml)							~
∧ Hide Folders							Sa	ive	Cancel

7. Now Edit the Group Policies, Go to Windows > Edit Group Policy

All Apps Documents Web	More 👻	چ
Best match		
Edit group policy Control panel		
Search the web		Edit group policy
P Edit Group - See web results	>	Control panel
,O edit group policy	>	
, edit group policy users	>	🖬 Open
, edit group policy command	>	
P edit group policy missing in windows	>	
	>	
, edit group policy xp	>	
, edit group policy mmc	>	
Settings		
8 Edit local users and groups	>	
P Edit Group policy		o 🖽 💽 🧮 🛱 🖻

 8 On Local Group Policy Editor window, navigate to Local Computer Policy > Computer Configuration > Administrative Templates > Classic Administrative Templates (ADM) > Microsoft Edge.
 Double click on Configure Internet Explorer integration

Local Group Policy Editor			
File Action View Help			
🗢 🔿 🚈 📑 📓 🖬 🍸			
Local Computer Policy	Microsoft Edge		
Ecomputer Configuration Software Settings Softwore Settings	Configure Internet Explorer integration	Setting ^ E Clear cached images and files when Microsoft Edge closes	State Not configured
Administrative Templates S	Edit policy setting	E Configure automatic sign in with an Active Directory domai Configure Do Not Track	Not configured Not configured
> 📫 Network 📫 Printers 🎬 Server	Requirements: Microsoft Edge version 77, Windows 7 or later	Configure enhanced hang detection for Internet Explorer m Configure favorites Configure InPrivate mode availability	Not configured Not configured Not configured
 Start Menu and Taskbar System Windows Components Classic Administrative Templates (ADM) Microsoft Edge 	Description: For guidance about configu <mark>r</mark> ing the optimal experience for Internet Explorer mode see https://go.microsoft.com/fwlink/? linkid=2094210	Configure Internet Explorer integration Configure list of force-installed Web Apps Configure Online Text To Speech Configure Speech Recognition Configure the default paste format of URLs copied from Mic	Not configured Not configured Not configured Not configured Not configured
> 🦳 Microsoft Edge - Default Settings (users ca 🐔 All Settings 🗸 🔥 User Configuration	Policy options mapping:	E Configure the Enterprise Mode Site List Configure the list of names that will bypass the HSTS policy	Not configured Not configured
Software Settings Windows Settings Administrative Templates	* None (0) = None * IEMode (1) = Internet Explorer mode	E Configure the list of sites for which Microsoft Edge will atte E Configure the list of types that are excluded from synchroni E Configure the Share experience	Not configured Not configured Not configured

On the popup window set the below, And click on the **Apply** button and then click on **OK**

- Check the Enabled radio button
- Under Configure Internet Explorer integration drop down select **Internet Explorer mode**

Configure Interne	t Explorer integrat	ion			unubinti			×
Configure Interne	t Explorer integrat	ion		Previous Setting	Next S	etting		
 Not Configured Enabled 	Comment:							^
O Disabled	Supported on:	Microsoft Edge	version 77, V	/indows 7 or later				~ >
Options:			Help:					
Configure Internet Explorer mo			Internet Ex linkid=209 Policy opti * None (0) * IEMode (' * NeedIE (2 Use the pre Reference:	ons mapping:	ps://go.mic er mode r 11 i when confi	iguring thi ployEdge,	n/fwlink/?	
				C	Ж	Cancel	App	ly

- 9 On Local Group Policy Editor window, navigate to Local Computer Policy > Computer Configuration > Administrative Templates > Windows Components > Internet Explorer
- 10 Double click on Use the Enterprise Mode IE website list

2 🖬 🚘 🛛 🖬 🔻				
	Internet Explorer			
Administrative Templates	Use the Enterprise Mode IE website	Setting	State	Comment
> Control Panel	list	Use the Enterprise Mode IE website list	Not configured	No
> C Network		I Turn on Suggested Sites	Not configured	No
Server	Edit policy setting	Turn on Site Discovery XML output	Not configured	No
Server Start Menu and Taskbar	Requirements:	Turn on Site Discovery WMI output	Not configured	No
> Start Menu and Taskbar	At least Internet Explorer 11.0	Turn on menu bar by default	Not configured	No
✓ System ✓ Windows Components		Turn on compatibility logging	Not configured	No
ActiveX Installer Service	Description:	E Turn on compatibility logging	Not configured	
Add features to Windows 10	This policy setting lets you specify where to find the list of websites you		-	No
App Package Deployment	want opened using Enterprise Mode	Turn off the Security Settings Check feature Turn off the quick pick menu	Not configured Not configured	No
App Privacy	IE, instead of Standard mode,		-	
App runtime	because of compatibility issues. Users	Turn off the auto-complete feature for web addresses Turn off tabbed browsing	Not configured	No
Application Compatibility	can't edit this list.		Not configured	No
AutoPlay Policies	If you enable this policy setting,	Turn off suggestions for all user-installed providers	Not configured	No
> 📔 Biometrics	Internet Explorer downloads the	Turn off Reopen Last Browsing Session	Not configured	No
> 🧾 BitLocker Drive Encryption	website list from your location (HKCU	Turn off Quick Tabs functionality	Not configured	No
Camera	or	Turn off pop-up management	Not configured	No
Cloud Content	HKLM\Software\policies\Microsoft\In ternet	Turn off page-zooming functionality	Not configured	No
Connect	Explorer\Main\EnterpriseMode),	Turn off Managing SmartScreen Filter for Internet Explorer 8	Not configured	No
Credential User Interface	opening all listed websites using	Turn off Favorites bar	Not configured	No
Data Collection and Preview Builds	Enterprise Mode IE.	📰 Turn off Crash Detection	Not configured	No
Delivery Optimization	If you disable or don't configure this	Turn off configuration of pop-up windows in tabbed browsi	Not configured	No
Desktop Gadgets	policy setting, Internet Explorer opens	E Turn off browser geolocation	Not configured	No
> 📔 Desktop Window Manager	all websites using Standards mode.	Turn off Automatic Crash Recovery	Not configured	No
Device and Driver Compatibility		Turn off add-on performance notifications	Not configured	No
Device Registration		🖹 Turn off ActiveX Opt-In prompt	Not configured	No
📔 Digital Locker		🗄 Turn off ability to pin sites in Internet Explorer on the desktop	Not configured	No
📔 Edge UI		E Specify use of ActiveX Installer Service for installation of Acti	Not configured	No
Event Forwarding		E Specify default behavior for a new tab	Not configured	No
> Event Log Service		🗄 Show message when opening sites in Microsoft Edge using	Not configured	No
Event Logging		E Set tab process growth	Not configured	No
Event Viewer		E Send all sites not included in the Enterprise Mode Site List to	Not configured	No
> iie Explorer		Security Zones: Use only machine settings	Not configured	No
File History		Security Zones: Do not allow users to change policies	Not configured	No
Find My Device		Security Zones: Do not allow users to add/delete sites	Not configured	No
Handwriting		Restrict search providers to a specific list	Not configured	No
HomeGroup		Prevent running First Run wizard	Not configured	No
Internet Explorer Internet Information Services		Prevent per-user installation of ActiveX controls	Not configured	No

On the popup window set the below, and click on the **Apply** and **OK**.

- Check the Enabled radio button
- Under Options provide the location of the Site List XML saved at above step 3.a.vii as per below format

file:///C:\\Users\\<user>\\Documents\\<XML file name>.xml

Use the Enterprise	Mode IE website	list							×
Use the Enterprise	e Mode IE website	list			ing	Next Setting	9		
Not Configured Enabled	Comment:								
O Disabled	Supported on:	At least Interne	et Explorer 11.0	1					~ ~
Options:			Help:						
Type the location (UR website list rs\\vispanwa\\Docu		_	websites yo Standard m this list. If you enabl website list \policies\M opening all If you disab	setting lets you u want opened ode, because o le this policy se from your loca icrosoft\Intern listed websites le or don't cont ens all websites	I using Ent of compati atting, Inte attion (HKC et Explore a using Ent figure this	terprise Mo ibility issues met Explore U or HKLM r\Main\Ent erprise Moo s policy sett	de IE, i s. User er dow \Softw erprise de IE. ing, In	instead o s can't e vnloads t vare Mode),	dit
					OK	Cano	el:	Ар	ply

9 On Local Group Policy Editor window, navigate to Local Computer Policy > Computer Configuration > Administrative Templates > Windows Components > Microsoft Edge.

Double click on Configure the Enterprise Mode Site List

I Group Policy Editor				
Action View Help				
Administrative Templates	📋 Microsoft Edge			
> Control Panel	Configure the Enterprise Mode Site	Setting	State	Comment
> 📫 Network	List			
Printers		E Unlock Home Button	Not configured	No
Server Server	Edit policy setting	Show message when opening sites in Internet Explorer	Not configured	No
Start Menu and Taskbar		📰 Set New Tab page URL	Not configured	No
> System	Requirements: Microsoft Edge on Windows 10 or	E Set Home Button URL	Not configured	No
Vindows Components	later	E Set default search engine	Not configured	No
ActiveX Installer Service	litter	Send all intranet sites to Internet Explorer 11	Not configured	No
Add features to Windows 10	Description:	Provision Favorites	Not configured	No
App Package Deployment	This policy setting lets you configure	Prevent using Localhost IP address for WebRTC	Not configured	No
App Privacy	whether to use Enterprise Mode and the Enterprise Mode Site List to	Prevent turning off required extensions	Not configured	No
App runtime	address common compatibility	Prevent the First Run webpage from opening on Microsoft E	Not configured	No
Application Compatibility AutoPlay Policies	problems with legacy apps.	🖹 Prevent Microsoft Edge from gathering Live Tile information	Not configured	No
		Prevent changes to Favorites on Microsoft Edge	Not configured	No
Siometrics Encryption	If you enable this setting, Microsoft Edge looks for the Enterprise Mode	E Prevent certificate error overrides	Not configured	No
> BitLocker Drive Encryption Camera	Site List XML file. This file includes the	E Prevent bypassing Windows Defender SmartScreen prompts	Not configured	No
Cloud Content	sites and domains that need to be	🖹 Prevent bypassing Windows Defender SmartScreen prompts	Not configured	No
Connect	viewed using Internet Explorer 11 and	🗈 Prevent access to the about:flags page in Microsoft Edge	Not configured	No
Credential User Interface	Enterprise Mode.	Keep favorites in sync between Internet Explorer and Micros	Not configured	No
Data Collection and Preview Builds	If you disable or don't configure this	For PDF files that have both landscape and portrait pages, pr	Not configured	No
Delivery Optimization	setting, Microsoft Edge won't use the	Disable lockdown of Start pages	Not configured	No
Desktop Gadgets	Enterprise Mode Site List XML file. In	Configure Windows Defender SmartScreen	Not configured	No
> Desktop Gauges	this case, employees might	Configure the Enterprise Mode Site List	Not configured	No
Device and Driver Compatibility	experience compatibility problems while using legacy apps.	Configure the Adobe Flash Click-to-Run setting	Not configured	No
Device Registration	while using legacy upps.	Configure Start pages	Not configured	No
Digital Locker		Configure search suggestions in Address bar	Not configured	No
Edge UI		E Configure Pop-up Blocker	Not configured	No
Event Forwarding		E Configure Password Manager	Not configured	No
> 📔 Event Log Service		Configure Open Microsoft Edge With	Not configured	No
Event Logging		Configure kiosk reset after idle timeout	Not configured	No
Event Viewer		E Configure klosk mode	Not configured	No
> 📔 File Explorer		E Configure Home Button	Not configured	No
File History		E Configure Favorites Bar	Not configured	No
Find My Device		E Configure Favorites	Not configured	No
Handwriting				
HomeGroup		E Configure Do Not Track	Not configured	No
> 🚞 Internet Explorer		Configure cookies	Not configured	No
Internet Information Services		Configure Autofill	Not configured	No
> Cocation and Sensors		Configure additional search engines	Not configured	No
Maintenance Scheduler		Always show the Books Library in Microsoft Edge	Not configured	No
Maps		Allow web content on New Tab page	Not configured	No
MDM		Allow Sideloading of extension	Not configured	No
Messaging		Allow search engine customization	Not configured	No
Microsoft account		Allow Saving History	Not configured	No
🦰 Microsoft Edge		E Allow printing	Not configured	No
Microsoft Secondary Authentication Fa		🖹 Allow Microsoft Edge to start and load the Start and New Ta	Not configured	No
> Microsoft User Experience Virtualization		Allow Microsoft Edge to pre-launch at Windows startup, wh	Not configured	No

On the popup window set the below, and click on the **Apply** button

- 1. Check the Enabled radio button
- 2. Under Options provide the location of the Site List XML saved at above step 3.a.vii as per below format file:///C:\\Users\\<user>\\Documents\\<XML file name>.xml

Configure the Ent	erprise Mode Site	List			_		×	
🔚 Configure the Ent	erprise Mode Site	List		Previous Setting	Next Setting			
 Not Configured Enabled 	Comment:							
 Disabled 							~	
	Supported on:	Microsoft Edge	on Windows	10 or later			$\hat{}$	
Options:			Help:					
Type the location (UR website list		_	Mode and compatibil If you enab Mode Site that need t Mode. If you disal won't use t	setting lets you conf the Enterprise Mode : ity problems with leg le this setting, Micro List XML file. This file o be viewed using Int ole or don't configure the Enterprise Mode 2 might experience co s.	Site List to address of acy apps. soft Edge looks for t includes the sites ar ternet Explorer 11 ar e this setting, Micros Site List XML file. In 1	he Enterpris nd domains nd Enterpris oft Edge this case,	e	
				Ok	(Cancel	Арр	ly	

10 On Local Group Policy Editor window, navigate to Local Computer Policy > Computer Configuration > Administrative Templates > Windows Components > Microsoft Edge.

2 📷 🗟 🛛 🖓 📷 🐨				
> 📫 Network	📋 Microsoft Edge			
Shared Folders	Allow Microsoft Compatibility List	Setting	State	Comment
> System	and a stand and a stand	Allow Address bar drop-down list suggestions	Not configured	No
V Windows Components	Edit policy setting	E Configure Autofill	Not configured	No
Add features to Windows 10	Requirements	Allow Microsoft Compatibility List	Not configured	No
App runtime	Microsoft Edge on Windows 10,	Allow clearing browsing data on exit	Not configured	No
Application Compatibility	Version 1607 or later	[] Allow configuration updates for the Books Library	Not configured	No
Attachment Manager	Description:	1 Allow Developer Tools	Not configured	No
AutoPlay Policies	This policy setting lets you decide	E Configure Do Not Track	Not configured	No
Cloud Content	whether to use the Microsoft	11 Allow Extensions	Not configured	No
Credential User Interface	Compatibility List (a Microsoft-	1 Allow Adobe Flash	Not configured	No
Data Collection and Preview Build	provided list that helps sites with known compatibility issues to display	Configure the Adobe Flash Click-to-Run setting	Not configured	No
Desktop Gadgets	property) in Microsoft Edge, By	[2] Allow FullScreen Mode	Not configured	No
> 🧾 Desktop Window Manager	default, the Microsoft Compatibility	E Allow InPrivate browsing	Not configured	No
Digital Locker	List is enabled and can be viewed by visiting about compat.	E For PDF files that have both landscape and portrait pages, pr	Not configured	No
Edge UI	visiting about compat.	E Configure Password Manager	Not configured	No
File Revocation	If you enable or don't configure this	[1] Configure Pop-up Blocker	Not configured	No
IME IME	setting, Microsoft Edge periodically	E Allow Microsoft Edge to pre-launch at Windows startup, wh	Not configured	No
Instant Search	downloads the latest version of the list from Microsoft, applying the	E Allow printing	Not configured	No
> internet Explorer	updates during browser navigation.	E Allow Saving History	Not configured	No
Location and Sensors	Visiting any site on the Microsoft	[] Allow search engine customization	Not configured	No
Microsoft Edge	Compatibility List prompts the	Configure search suggestions in Address bar	Not configured	No
> 🛄 Microsoft Management Console	employee to use Internet Explorer 11, where the site is automatically	E Allow Sideloading of extension	Not configured	No
> dicrosoft User Experience Virtuali	rendered as though it's in whatever	E Configure Windows Defender SmartScreen	Not configured	No
> 🧾 NetMeeting	version of IE is necessary for it to	[] Allow Microsoft Edge to start and load the Start and New Ta	Not configured	No
Network Sharing	appear properly.	t Allow web content on New Tab page	Not configured	No
CORF.		12 Abases show the Books Library in Microsoft Edus	Not configured	No

• Double click on Allow Microsoft Compatibility List

• On the popup window, Check the **Enabled** radio button, and click on **Apply** button

Allow Microsoft O	Compatibility List				_		×
Allow Microsoft (Compatibility List		Previ	ious Setting	Next Setting]	
 Not Configured Enabled 	Comment:						^
O Disabled	Supported on:	Microsoft Edge	on Windows 10, Ver	rsion 1607 or lat	ter		< >
Options:			Help:				
			This policy setting Compatibility List known compatibility Edge. By default, can be viewed by If you enable or dd periodically down Microsoft, applyin Visiting apy site or employee to use la automatically rem necessary for it to If you disable this used during brows	(a Microsoft-p lity issues to dia the Microsoft C visiting about: on't configure 1 loads the latest ag the updates n the Microsoft n thernet Explore dered as thoug appear propert setting, the Mi	rovided list that he splay properly) in 1 ompatibility List is compat. this setting, Micro- version of the list during browser na c Compatibility List r 11, where the sit- h it's in whatever v y.	elps sites w Microsoft e enabled a soft Edge from vigation. prompts e is ersion of l	vith and the IE is
				OK	Cancel	Ap	oply

- 11 On Local Group Policy Editor window, navigate to Local Computer Policy > Computer Configuration > Administrative Templates > Windows Components > Microsoft Edge.
 - Double click on Send all Intranet sites to Internet Explorer 11

Local Group Policy Editor				
ile Action View Help				
• 🔶 📶 🗟 🖬 😗				
> Network Shared Folders	📔 Microsoft Edge			
Start Menu and Taskbar	Send all intranet sites to Internet	Setting	State	Comment
> System	Explorer 11	Unlock Home Button	Not configured	No
V Windows Components	Edit policy setting	E Show message when opening sites in Internet Explorer	Not configured	No
Add features to Windows 10	East policy setting	📰 Set New Tab page URL	Not configured	No
App runtime	Requirements:	E Set Home Button URL	Not configured	No
Application Compatibility	Microsoft Edge on Windows 10 or	🔝 Set default search engine	Not configured	No
Attachment Manager	later	Send all intranet sites to Internet Explorer 11	Not configured	No
AutoPlay Policies	Description:	E Provision Favorites	Not configured	No
Cloud Content	This policy setting lets you decide	Prevent using Localhost IP address for WebRTC	Not configured	No
Credential User Interface	whether your intranet sites should all	E Prevent turning off required extensions	Not configured	No
Data Collection and Preview Build	open using Internet Explorer 11. This setting should only be used if there	🖹 Prevent the First Run webpage from opening on Microsoft E	Not configured	No
Desktop Gadgets	are known compatibility problems	E Prevent Microsoft Edge from gathering Live Tile information	Not configured	No
> 📔 Desktop Window Manager	with Microsoft Edge.	Prevent changes to Favorites on Microsoft Edge	Not configured	No
Digital Locker	If you enable this setting, all intranet	Prevent certificate error overrides	Not configured	No
Edge Ul File Explorer	sites are automatically opened using	E Prevent bypassing Windows Defender SmartScreen prompts	Not configured	No
File Revocation	Internet Explorer 11.	E Prevent bypassing Windows Defender SmartScreen prompts	Not configured	No
IME		🖹 Prevent access to the about:flags page in Microsoft Edge	Not configured	No
Instant Search	If you disable or don't configure this setting, all intranet sites are	🗄 Keep favorites in sync between Internet Explorer and Micros	Not configured	No
> instant Scarch	automatically opened using	For PDF files that have both landscape and portrait pages, pr	Not configured	No
Location and Sensors	Microsoft Edge.	E Disable lockdown of Start pages	Not configured	No
Microsoft Edge		E Configure Windows Defender SmartScreen	Not configured	No
> 📋 Microsoft Management Console		E Configure the Enterprise Mode Site List	Not configured	No
> 📫 Microsoft User Experience Virtuali		Configure the Adobe Flash Click-to-Run setting	Not configured	No
> 📔 NetMeeting		E Configure Start pages	Not configured	No
Network Sharing		Configure search suggestions in Address bar	Not configured	No

Setting Microsoft Edge with IE 11 Compatibility manually

• On the popup window, Check the **Enabled** radio button, and click on **Apply** and **OK** button

Send all intranet s	ites to Internet Ex	plorer 11					—		×
Send all intranet s	sites to Internet Ex	plorer 11		Previous Set	ting	Next Set	ting		
 Not Configured Enabled 	Comment:								^
O Disabled	Supported on:	Microsoft Edge	on Windows	: 10 or later					
Options:			Help:						
			should all o only be use Microsoft E If you enab opened usi	setting lets you open using Inte ed if there are k Edge. ole this setting, ing Internet Exp ole or don't cor ally opened usin	all intrar plorer 11	olorer 11. Ťř ompatibility net sites are his setting,	nis settin y proble e automa all intra	g should ms with atically	re
					OK	G	ancel	Арр	ly

Popup Blocker setting for Reports Preview

Note: For PDF documents, if Acrobat Reader is not installed you have the option to **Save** the document or **Open** the document in your browser.

a. Navigate to **Settings** on the Edge Browser

		Your browser is managed by your organization
Settings	Your profile	+ Add profile
Q. Search settings	2 day	~
D Profiles	· · · · · · · · · · · · · · · · · · ·	0100
Privacy. search. and services	-cê	
Appearance		
Start, home, and new tabs	Profile 1 Back up your browsing data and see your favorites.	passwords, history, and more Sign in to sync data
Share, copy and paste	on all your devices. Microsoft Privacy Statement	
Cookies and site permissions		
Default browser	C) Sync	
↓ Downloads	Se Personal info	>
🖑 Family safety	CB Personal Into	
Al Languages	Passwords	>
Printers		
System	Payment info	>
Reset settings	្តែ Import browser data	>
Phone and other devices		- 1. S
Accessibility	2 Profile preferences	>
10 concentrations		

 b. On the Settings page navigate to Cookies and site permissions > Popups and redirects

\leftarrow \rightarrow C $\widehat{\alpha}$ Edge edge://set	tings/content	
	۵ v	our browser is managed by your organization
Settings	All permissions Permissions that are applied across all sites	
Q Search settings	Location Ask first	>
 Profiles Privacy, search, and services Appearance 	Camera Ask first	>
 Appearance Start, home, and new tabs Share, copy and paste 	G Microphone Ask first	>
Cookies and site permissions	((-) Motion or light sensors Allow sites to use motion and light sensors	>
↓ Downloads 镠 Family safety	Q Notifications Ask first	>
A ^r t Languages	JavaScript Allowed	>
 System Reset settings 	Images Show all	>
Phone and other devices Accessibility	Pop-ups and redirects Blocked	>
About Microsoft Edge	Ads Blocked	>

c. Click Add button in the Allow section

$\leftarrow \rightarrow$	C 🗟 C Edge edge://se	ttings/co	ontent/popups	
			Your browser is managed by your organization	
Set	tings	÷	Site permissions / Pop-ups and redirects	
Q	Search settings			
8	Profiles		Block (recommended)	
ĉ	Privacy, search, and services			
9	Appearance		Block	Add
-	Start, home, and new tabs		No sites added	
Ŕ	Share, copy and paste			
5	Cookies and site permissions		Allow	Add
6	Default browser		Allow	Add
$\underline{\downarrow}$	Downloads		No sites added	
卷	Family safety			
At	Languages			
0	Printers			

d. Add [*.]oracle.com as the site and click Add button

			Your browser is managed by your organization	
ettings		Site permissions / Pop-ups and	redirects	
Q Search	settings			
Profiles		Block (recommended)		
Privacy.	search, and services			
Appeara	ince	Block		Add
🖾 Start ho	me. and new tabs			
🖄 Share, o	opy and paste	No sites added		
Cookies	and site permissions			
Default	browser	Allow		Add
🕁 Downlo	ads	No sites added	×	1
🖑 Family s	afety		Add a site	
At Languag	jes		Site	
Printers			[*]oracle.com	
🖵 System				
🔿 Reset se	ttings		Add	
D Phone a	nd other devices			
☆ Accessib	ility			
About N	licrosoft Edge			

5 Setting Adobe Acrobat Reader Preferences

Depending on your Adobe Acrobat Reader version, the steps below may differ.

- 1. Open Adobe Acrobat Reader outside of the application.
- 2. Select Edit, select Preferences, select Updater, and select the Do not download or install updates automatically option.



3. Select **Edit**, select **Preferences**, select **General**, and unselect the **Enable Protected Mode at startup** check box.

Enable Protected Mode at startup

4. Select **Edit**, select **Preferences**, select **Security (Enhanced)**, and unselect the **Enable Enhanced Security** check box.

Enable Enhanced Security

 Select Edit, select Preferences, select Security (Enhanced), and select the Automatically trust sites from my Win OS security zones check box and verify that the OPERA URL is listed.



6 Installing Client Side Applications

If you do not want the OPERA Login Page to automatically install the software required by JInitiator when you log in, follow these procedures to preinstall all the required client utilities.

Installing OPERA Print Control

The Print Control is loaded along with the Adobe Object and checks for printer availability and status. If it is not automatically installed, perform the step below to enable stream printing to work within OPERA.

1. Install **OPERA Print Control** using the following URL in your browser: http://<appserverhost>/InstallOperaPrintCtrl.exe

Where <appserverhost> is the URL used to access your OPERA environment, which should look something like this:

- https://<yourOPERAURL>.microsdc.us
 Or
- https://<yourSSD>-prod-<yourENV>.hospitality.oracleindustry.com

For example, https://<yourENV>.hospitality.oracleindustry.com/InstallOperaPrintCtrl.exe

Installing Adobe Acrobat Reader

If installing the client utilities from the OPERA login, the Adobe Acrobat Reader installation starts automatically while installing OPERA Print Control.

Install **Adobe Acrobat** using the following URL in your browser: https://get.adobe.com/in/reader/

Installing Screen Painter

If it is not automatically installed, perform the step below to install Screen Painter.

1. Install Screen Painter by connecting to the application environment using this URL: http://<appserverhost>/InstallScreenWiz.exe

Where <appserverhost> is the URL used to access your OPERA environment, which should look something like this:

- https://<yourOPERAURL>.microsdc.us
- Or
- https://<yourSSD>-prod-<yourENV>.hospitality.oracleindustry.com

For example, https://<yourENV>.hospitality.oracleindustry.com/InstallScreenWiz.exe

Installing Oracle Business Intelligence Publisher

For sites that use BI Publisher to customize reports, a new version has been released that can be installed on Microsoft Windows 7 workstations. This is labeled as *release 4* of the OPERA BI Publisher Desktop installation.

On Microsoft Windows 8.1, Microsoft .NET Framework 4.5.1 is automatically included in the operating system.

The BI Publisher installation however, looks for Microsoft .NET Framework 2.0, which is included in Microsoft .NET Framework 3.5, but must be installed separately in Microsoft Windows 8.1.

Trying to install Microsoft .NET Framework 3.5 gives the following errors (which are also documented at http://docs.oracle.com/cd/E28280_01/bi.1111/e16518/ toc.htm#BIEQI102):

- 0x800f0906: Windows couldn't connect to the Internet to download necessary files. Make sure that you're connected to the Internet, and click Retry to try again.
- 0x800F081F: The changes could not be completed. Please reboot your computer and try again.

Use the Microsoft Windows operating system installation media and the workaround: DISM /Online /Enable-Feature /FeatureName:NetFx3 /All / LimitAccess /Source:d:\sources\sxs

Now Microsoft .NET Framework 3.5 installs correctly and the BI Publisher installation can continue. For additional information about installing BI Publisher, see http://docs.oracle.com/cd/E28280_01/bi.1111/e16518/toc.htm#BIEQI102.

Known Issues

Issue: Opera Workstation Undefined or Keeps Prompting to Install OperaPrintCtrl, Adobe Each Time Login Screen is opened

Depending on the version of OPERA installed and other software running on the workstation, it is possible to encounter an issue documented in **Oracle support document ID 2193783.1**.

When opening the shortcut to access the OPERA login screen, the prompt to install TermReg, JinitCheck, OperaPrintCtrl, and Adobe keep popping up, even if these have already been installed.

Or

Terminal Name remains UNDEFINDED even though TermReg has been installed.

Cause

- 1) This could be due to the Anti-Virus program on the workstation stopping the install from completing or blocking access to certain OPERA component files located in folders such as:
 - a) C:\program files (x86)\micros systems, inc\opera*
 - b) C:\programdata\oracle\opera*
- 2) It could be due to the Windows User having insufficient rights to install or access the OPERA components.
- 3) TermReg.ini might need to be manually created in the correct location.

Solution

See the above reference support document for solution options that include re-running some of the installers as administrator, temporarily disabling AV file locking, or manually creating the required files.