## Oracle<sup>®</sup> Hospitality OPERA Property Management

Workstation Setup Guide Release 5.5 **E76452-01** 

July 2016

ORACLE<sup>®</sup>

Oracle Hospitality OPERA Property Management Workstation Setup Guide, Release 5.5

E76452-01

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# Contents

1	Workstation Operating System Requirement	
2	Installing the Java Runtime Client	
3	Setting Microsoft Internet Explorer Options Adding Trusted Sites Turning on Pop-up Blocker Changing Advanced Settings Disabling Add-ons	3-1 3-3 3-3 3-4
	Disabling SmartScreen Filter	3-5
4	Installing Client Side Applications	
	Installing the RegTerm Utility	4-1
	Installing OPERA Print Control	4-2
	Installing Adobe Acrobat Reader	4-2
	Installing Screen Painter	4-2
	Installing Oracle Business Intelligence Publisher	4-2
5	Setting Adobe Acrobat Reader Preferences	

1

# Workstation Operating System Requirement

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

- Windows 7 Professional Edition or later
- Windows 8 Professional Edition or later
- Windows 10 Professional Edition or later

2

# **Installing the Java Runtime Client**

- 1. Log on to the workstation with a user account that has local administrator rights.
- 2. Open Microsoft Internet Explorer and go to: http://www.oracle.com/ technetwork/java/javase/downloads/jre8-downloads-2133155.html

ORACLE	Products Solutions Dow	vnloads St	ore Support Training Partne	ers About OTN
acle Technology Network > J	ava > Java SE > Downloads			
Java SE	Overview Downloads Documer	tation Comm.	unity Technologies Training	Java SDKs and Tools
Java EE				Java SE
lava ME	Inco OF Durations Fruits			Java EE and Glassfish
Java SE Support	Java SE Runtime Envir			Java ME
	Java programs, but not develop them		e develop Java programs? If you want to run	
Java SE Advanced & Suite	sava programs, but not develop them	, cownoad the sa	va Ruhume Environment, of JRE	差 Java Card
Java Embedded			the Java Development Kit, or JDK™. The JDK	NetBeans IDE
Java DB	includes the JRE, so you do not have	to download both	separately.	Java Mission Control
Web Tier	JRE 8u77 Checksum			Java Resources
Java Card				
Java TV	Java SE F	Runtime En	vironment 8u77	🛓 Java APIs
New to Java	You must accept the Oracle Bina	Technical Articles		
		software		Demos and Videos
Community	Accept Licen	se Agreement	<ul> <li>Decline License Agreement</li> </ul>	Forums
Java Magazine	Product / File Description	File Size	Download	_
	Linux x86	49.06 MB	jre-8u77-linux-i586.rpm	🕂 Java Magazine
	Linux x86	70.54 MB 46.94 MB	jre-8u77-linux-i586.tar.gz	Java.net
	Linux x64 Linux x64	46.94 MB 68.47 MB	jre-8u77-linux-x64.rpm jre-8u77-linux-x64.tar.gz	Developer Training
	Mac OS X	64.27 MB	jre-8u77-Inux-xo4.tar.gz ire-8u77-macosx-x64.dmg	_
	Mac OS X	55.95 MB	ire-8u77-macosx-x64.tar.gz	Tutorials
	Solaris SPARC 64-bit	52.1 MB	jre-8u77-solaris-sparcv9.tar.gz	Java.com
	Solaris x64	49.67 MB	ire-8u77-solaris-x64 tar.gz	
	Windows x86 Online	0.7 MB	ire-8u77-windows-i586-iffw.exe	
	Windows x86 Offline	48.44 MB	ire-8u77-windows-i586.exe	
	Windows x86	59.35 MB	jre-8u77-windows-i586.tar.gz	
	Windows x64	54.93 MB	jre-8u77-windows-x64.exe	
	Windows x64	62.68 MB	ire-8u77-windows-x64 tar.gz	

- **3.** Under Java SE Runtime Environment 8u77, click the Accept License Agreement option.
- **4.** Next to **Windows x86 Offline**, click the link jre-8u77-windows-i586.exe to begin the download.
- **5.** When the message 'Do you want to run or save jre-8u77-windows-i586.exe (48.4 MB) from download.oracle.com?' appears, click **Run**.

Do you want to run or save jre-8u77-windows-i586.exe (48.4 M8) from download.oracle.com? Run Save 💌 Cancel

6. Click the Java icon on the taskbar.



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

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

4	Out-of-Date	Java versions	Detected
	hat you promptly i	security vulnerabil uninstall out-of-dat	
Click "Uninstall"	to remove out-of-	date versions now	
		versions of Java m	

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

₽ See	more results		
config	gure java		×
	6	<u>0</u>	W

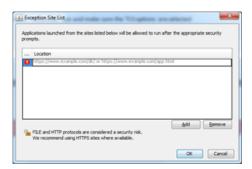
- **10.** Click in the **Search programs and files** field, type configure java and then press **Enter**.
- 11. On the Java Control Panel screen, click the Security tab.

🛃 Java Control Panel	
General Java Security Advanced	
Fnable Java content in the browser	
Security level for applications not on the Exception Site list	
Very High	
Only Java applications identified by a certificate from a trusted authority a and only if the certificate can be verified as not revoked.	re allowed to run,
🛞 High	
Java applications identified by a certificate from a trusted authority are all the revocation status of the certificate cannot be verified.	owed to run, even if
Exception Site List	
Applications launched from the sites listed below will be allowed to run after the prompts.	he appropriate security
Dick Edit Site List to add items to this list.	Edit Site List
Restore Security Prompts Ma	nage Certificates
OK	Cancel Acoly

12. Click Edit Site List....

Exception Site List Applications launched from the sites listed below will be allowed to ru prompts.	n after the appropriate security
Click Add to add an item to this list.	
FILE and HTTP protocols are considered a security risk. We recommend using HTTPS sites where available.	Add Bemove
	OK Cancel

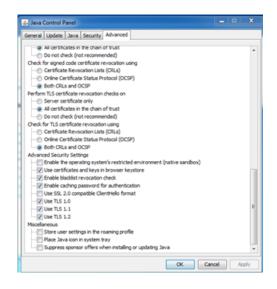
**13.** On the Exception Site List screen, click Add.



- **14.** Click in the **Location** field, and enter your OPERA application URL with http, for example, http://yourOPERAURL.microsdc.us
- 15. Click Add.
- **16.** Click in the **Location** field, and enter your OPERA application URL with https, for example, https://yourOPERAURL.microsdc.us

17. Click OK.

18. On the Java Control Panel screen, select the Advanced tab.



- **19.** Select these check boxes:
  - **a.** Use TLS 1.0
  - **b.** Use TLS 1.1
  - **c.** Use TLS 1.2

20. Click Apply.

- 21. Click OK.
- 22. Close Microsoft Internet Explorer, open it again, and log into OPERA.

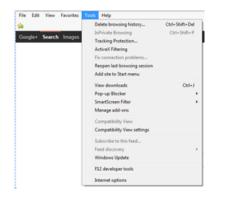
# **Setting Microsoft Internet Explorer Options**

There are several places where changes need to be made to the client machine's Microsoft Internet Explorer options. Depending on your browser version, the steps below may differ.

Microsoft Edge does not support OPERA.

### **Adding Trusted Sites**

- 1. Log on to the workstation with a user account that has local administrator rights.
- 2. Open Microsoft Internet Explorer.
- 3. Select the **Tools** menu.
- 4. Click Internet options.



- 5. On the Internet Options screen, select the Security tab.
- 6. Click the green check mark for **Trusted sites**.



- 7. Under Security level for this zone, change it to Medium
- 8. Click Sites.

rusted sites	D
You can add and remove websites from this zo this zone will use the zone's security settings.	ne. All websites in
Add this website to the zone:	
	Add
Websites:	
	Remove
Require server verification (https:) for all sites in th	is zone
	Close

- 9. Click in the Add this website to the zone field.
- **10.** Enter your OPERA application URL with both http and https as in these examples:
  - http://yourOPERAURL.microsdc.us
  - https://yourOPERAURL.microsdc.us

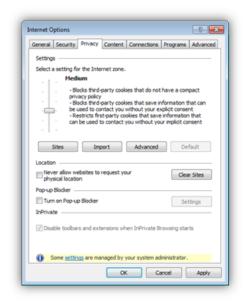
For sites that have multiple application servers for OPERA or for load balanced environments, ensure that all URLs are entered.

- 11. Click Add.
- 12. Click Close.
- 13. Click Custom Level and click Enable for these Settings:
  - ActiveX Controls and plug-ins

- Miscellaneous
- **14.** Click **OK**.

### **Turning on Pop-up Blocker**

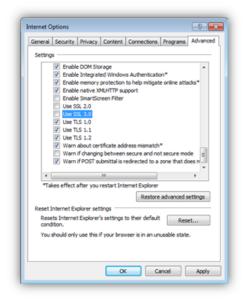
1. On the Internet Options screen, select the Privacy tab.



2. Unselect the Turn on Pop-up Blocker option.

### **Changing Advanced Settings**

1. On the Internet Options screen, select the Advanced tab.



- **2.** Select these check boxes:
  - Use TLS 1.0
  - Use TLS 1.1
  - Use TLS 1.2
- 3. Click Apply.
- 4. Click OK.

### **Disabling Add-ons**

- 1. On the Internet Options screen, select the **Programs** tab.
- 2. Click Manage Add-ons.
- 3. On Toolbars and Extensions, disable all except for Java and Adobe.
- 4. Click Close.
- 5. Click OK.
- 6. Click the **Tools** icon.

	🟦 🛠 🗱
Print	+
File	•
Zoom (100%)	•
Safety	+
Add site to Apps	
View downloads	Ctrl+J
Manage add-ons	
F12 Developer Tools	
Go to pinned sites	
Compatibility View settings	
Report website problems	
Internet options	
About Internet Explorer	

- 7. Select Manage add-ons.
- **8.** Go to the appropriate type of add-ons and find the one you want to disable, right-click it and select **Disable**.

Name	Publisher		Status	
(Not verified) Think Tank Labs L	LC			
WinToFlash Suggestor	Disable	_	Enabled	
ClientConnect LTD	Disable			-
BS Player ControlBar B Too	Columns	•	Enabled	
BS Player ControlBar B Too	Group by	•	Enabled	
Microsoft Corporation	Sort by	•	L	_
Groove Folder Synchroniza	Сору		Disabled	
Office Document Cache Hi	More information		Disabled	
Groove GFS Browser Helper	Microsoft Corporatio	n	Disabled	

## **Disabling SmartScreen Filter**

#### **Disabling SmartScreen Filter**

1. On the Internet Options screen, select the Advanced tab.

Internet Options	2	x			
General Security Privacy Content Connections Programs	Advanced	I			
Settings		-			
Allow active content from CDs to run on My Compute Allow active content to run in files on My Computer* Allow software to run or install even if the signature Block unsecured images with other mixed content Check for publisher's certificate revocation Check for server certificate revocation* Check for signatures on downloaded programs Do not save encrypted pages to disk Empty Temporary Internet Files folder when browse Enable 64-bit processes for Enhanced Protected Mod Enable DOM Storage Enable Enhanced Protected Mode* Enable Integrated Windows Authentication* Enable Integrated Windows Authentication*	⊧ isinv eriscl				
Takes effect after you restart your computer	•				
Reset Internet Explorer settings	settings				
Reset Internet Explorer's settings to their default Reset condition. You should only use this if your browser is in an unusable state.					
OK Cancel	<u>A</u> pply	,			

- **2.** Scroll down to the **Security** section and unselect the **Enable SmartScreen Filter** check box.
- 3. Click OK.

4

## **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 the RegTerm Utility

- 1. Connect to the application server.
- Install the RegTerm utility using this URL: http://<appserverhost>/ InstallRegterm.exe

Where <appserverhost> is the name of your application server.

3. If not completed automatically when logging into OPERA, configure the RegTerm utility by manually creating a termreg.ini file in the C:\Program Files (x86)\Micros Systems, Inc\Opera\OperaRegTerm folder.

The contents of the file should look like one of the following two examples, depending on your font size.

#### With Large Fonts

```
[OperaTerminal]
OPERA_TERMINAL=<host name with domain>.<unique number>|LargeFont
UseIni=1
```

#### Example

```
[OperaTerminal]
OPERA_TERMINAL=mymachine.micros.com.123454321|LargeFont
UseIni=1
```

#### Without Large Fonts

```
[OperaTerminal]
OPERA_TERMINAL=<host name with domain>.<unique number>
UseIni=1
```

#### Example

```
[OperaTerminal]
OPERA_TERMINAL=mymachine.micros.com.123454321
UseIni=1
```

### 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.** Connect to the application server.
- 2. Install OPERA Print Control using this URL: http://<appserverhost>/ InstallOperaPrintCtrl.exe

Where <appserverhost> is the name of your application server.

### 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.

- 1. Connect to the application server.
- 2. Install Adobe Acrobat from the OPERA login page or by using this URL: http:// <appserverhost>/InstallAdobe.exe

Where <appserverhost> is the name of your application server.

#### Installing Screen Painter

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

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

Where <appserverhost> is the name of your application server.

#### 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.

## **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.

Check for updates
Adobe recommends that you automatically install updates.
C Automatically install updates
${igsin}$ Automatically download updates, but let me choose when to install them
🔊 Do not download or install updates automatically

**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

**5.** 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.

Privileged Locations	
Automatically trust sites from my Win OS security zones	