Oracle® Hospitality OPERA Property Management
Workstation Setup Guide Release 5.5.0.23 and lower
E76452-01

February 2020
Copyright © 1987, 2020, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.
Contents

Preface ......................................................................................................................... 4

Customer Support .................................................................................................... 4
Documentation .......................................................................................................... 4
Revision History ........................................................................................................ 4

1 Workstation Operating System Requirement ....................................................... 5

2 Installing the Java Runtime Client .......................................................................... 6

3 Setting Microsoft Internet Explorer Options ....................................................... 10
   Adding Trusted Sites .............................................................................................. 10
   Turning off Pop-up Blocker ..................................................................................... 12
   Changing Advanced Settings .................................................................................. 12
   Disabling Add-ons .................................................................................................. 13
   Disabling SmartScreen Filter .................................................................................. 14

4 Installing Client Side Applications .......................................................................... 15
   Installing the RegTermUtility .................................................................................. 15
   Installing OPERA Print Control .............................................................................. 15
   Installing Adobe Acrobat Reader ............................................................................. 15
   Installing Screen Painter ......................................................................................... 16
   Installing Oracle Business Intelligence Publisher .................................................. 16
   Known Issues ......................................................................................................... 17
      Issue: Workstation Terminals do not Register even with all the above Completed 17
      Issue: Opera Workstation Undefined or Keeps Prompting to Install RegTerm, 17
         OperaPrintCtrl, Adobe Each Time Login Screen is opened .......................... 21

5 Setting Adobe Acrobat Reader Preferences ......................................................... 23
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

<table>
<thead>
<tr>
<th>Date</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>June, 2016</td>
<td>• Initial publication.</td>
</tr>
<tr>
<td>July, 2016</td>
<td>• Minor updates.</td>
</tr>
<tr>
<td>April, 2018</td>
<td>• Updates to reflect current version information.</td>
</tr>
</tbody>
</table>
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 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:

OPERA Cloud Matrix:

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:


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

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

8. Click Uninstall.

9. Click the Microsoft Windows Start button.

10. Click in the Search programs and files field, type configure java and then press Enter.

12. Click **Edit Site List...**

![Edit Site List window](image)

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

![Exception Site List window](image)

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 **Microsoft Internet Explorer**, open it again, and log into OPERA.
3 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.

Note: OPERA 5 requires the use of Microsoft Internet Explorer.

Google Chrome, Mozilla Firefox, Microsoft Edge, and other browsers are not supported.

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**.

![Internet Options](image.png)

7. Under **Security level for this zone**, change it to **Medium**.

8. Click **Sites**.

![Trusted sites](image2.png)

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

   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 off Pop-up Blocker**

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

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

**Changing Advanced Settings**

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

2. Select the Use TLS 1.2 check box.
   **Note:** Older releases of OPERA 5 may also require SSLv3 or TLS1.0 to function.

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.
7. Click 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.
Disabling SmartScreen Filter

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

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 RegTermUtility

1. Connect to the application server.

2. Install the RegTerm utility using this URL: http://<appserverhost>/InstallRegterm.exe

   Where <appserverhost> is the URL used to access your OPERA environment, which should look something like this:
   - https://<yourOPERAURL>.microsdc.us
   - https://<yourSSD>-prod-<yourENV>.hospitality.oracleindustry.com

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

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
   - 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: Workstation Terminals do not Register even with all the above Completed**

Sometimes the workstation terminals do not register even with all the above completed.

**Solution**

1. In Microsoft Internet Explorer, click Tools, click Internet Options, click the Security tab, click Trusted Sites, click Custom level…, and set these Security Settings:
Installing Client Side Applications
2. If configuring the above still does not allow the terminal to register or Java to launch, we recommend uninstalling all client side components and then deleting the Opera folder at C:\Program Files (x86)\Micros Systems, Inc\Opera.
3. Also delete the Opera folder at C:\ProgramData\Oracle\Opera.

If you cannot delete these folders, this means that some process is still running and workstation bounce may be needed.

4. After restarting the workstation, reinstall all client side components (RegTerm, Adobe Reader, Jinit, Java JRE, OperaPrintCtrl, and ScreenWiz, as Administrator user.

5. If TermReg is still not working, then try Restore advanced settings and Reset… on the Advanced tab as seen below:
6. On the Privacy tab, deselect (turn off) **Pop-up Blocker**.

![Image of Privacy Settings](image)

7. Then close the browser and launch again.

**Issue: Opera Workstation Undefined or Keeps Prompting to Install RegTerm, 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 UNDEFINED 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.
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.

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

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.