Opera Hotel Edition

Configuring an Opera Workstation on Windows 7

November 5, 2009

Copyright

Document Number:

> *MICROS Systems, Inc.*
>
> *Fidelio Technologies Inc.*
>
> *2640 Golden Gate Parkway, Suite 211*
>
> *Naples, FL 34105*
>
> *Voice. (239) 643-7999 / Fax. (239) 643-7911*

Table of Contents

Intended Audience

This document is intended for anyone responsible for installing and configuring Opera hardware and Software.

Introduction

This document describes some configuration changes that are necessary for Opera to function on the Windows 7 operating system.   Changes are related to enhanced security functions in Windows 7 that will cause failures in Internet Explorer and prevent Opera workstations from working correctly.

These changes are intended to provide workarounds for issues related to currently available software components. Oracle has scheduled Windows 7 compatible versions of their utilities, but at the time this document was created, no details/dates were available to us.

In areas where changes to the Opera code are required, SCR numbers have been provided.

Browser Settings

There are several places where changes will need to be made to the client machines Internet Explorer options.

Trusted Site Setting:

You will need to add any Application Servers and possibly variations of the Application Server name to the browsers trusted sites. Open an IE browser and you will notice on the bottom right of the screen the following message:
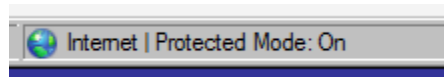
From the 'TOOLS' drop down select 'Internet Options' and then select the 'Security' tab.
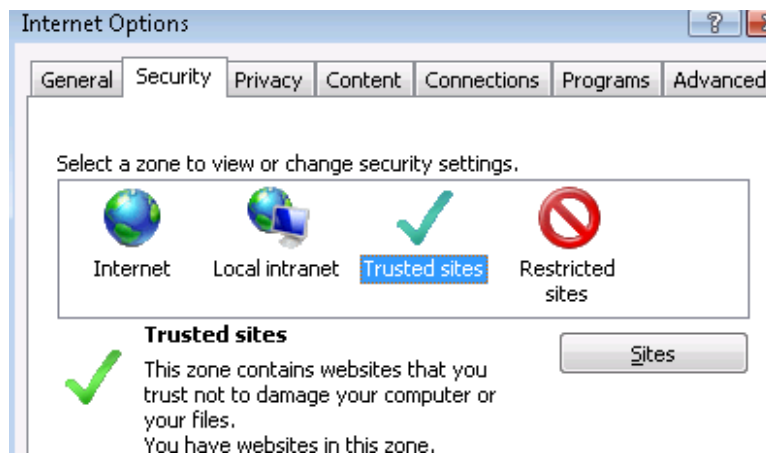
Select the 'Sites' button and add the Application Server(s), you must also uncheck the 'Require server verification (https) for all sites in this zone' check box.
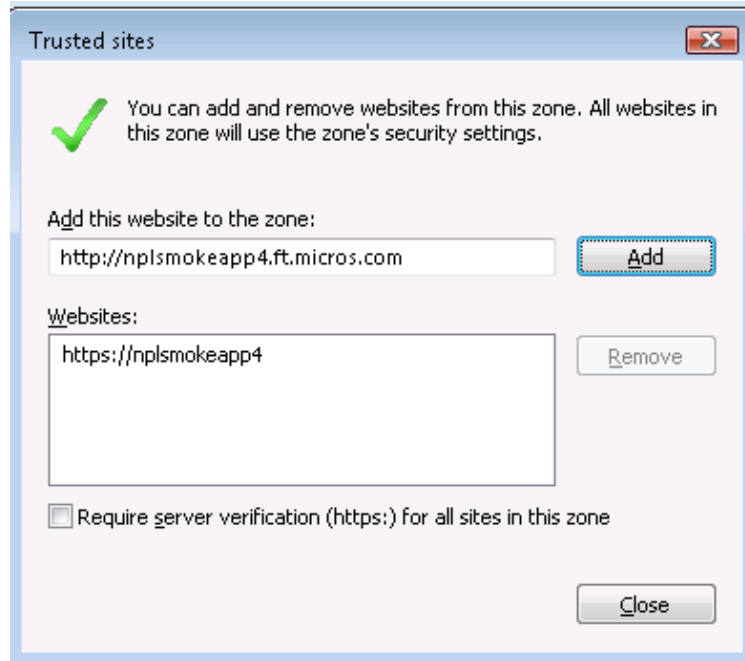
When these changes have been completed the message in the bottom right will now display as:
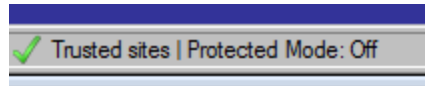
Protected mode should remain off while you are in Opera, other sites may need to be added to the Trusted Site list as you are installing the client machine.

Add On Settings:

Then from the Tools menu select 'Manage Add-ons' -> 'Enable or Disable Add-ons' . Any entries that begin with 'Windows Live' must be disabled.

Installing Client Side Applications

The following steps can be used to pre-install all the required client utilities. It's recommended to pre-install them rather than use the OperaLogin page to auto load the software since some customization will be required to Jinitiator.

Opera Regterm Utility:

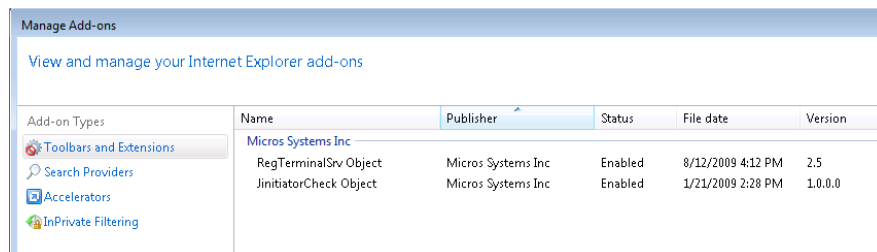Following the same process as Adobe, connect to the Application Server and install the RegTerm utility using the following URL;

> **http://<appserverhost>/installRegterm.exe**
> (replace <appserverhost> with the name of your application server)

Microsoft Windows 7 makes use of "Virtualized Files" to store program data files. Also, any writes to the c:\windows folder are protected. Both of these features cause a problem for the existing versions of the RegTerm utility. Future versions will be created to be Windows 7-aware and handle these situations correctly. (SCR #128738)

To properly configure the existing versions of the Regterm utility, you will need to manually create a termreg.ini file in the c:\windows folder. The contents of the file will need to look like one of the following two examples, depending on the font size you are configuring for.

> 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

Opera Print Control:

http://<appserverhost>/installOperaPrintCtrl.exe
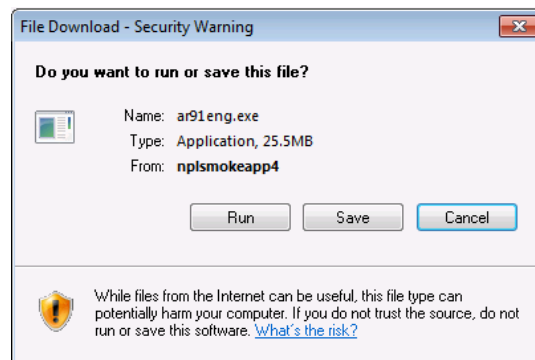(replace <appserverhost> with the name of your application server)

Adobe Acrobat Reader:

Note: If installing the client utilities from Opera Login, - Adobe Acrobat Reader installation will start automatically while installing Opera Print Control.

Connect to the Application Server and install Adobe Acrobat from the Opera login page, or by entering the following URL;

http://<appserverhost>/ar91eng.exe
(replace <appserverhost> with the name of your application server)

Click Run and install Adobe.

Oracle Jinitiator:

Next you will need to manually install the Oracle Jinitiator. Use the following URL;

http://<appserverhost/opera_jinit_1012_25.exe
(replace <appserverhost> with the name of your application server)

Customizing the Oracle Jinitiator Installation:

The following folder should exist after the Jinitiator installation completes:

C:\Program Files\Oracle\Jinitiator 1.3.1.25\bin\hotspot

Within this folder the JVM.dll will need to be replaced with a version that works with Windows 7. The file required is installed as part of the latest JRE5 which is available for download by registering with Sun Microsystems or from the location below.

ftp://ftp.micros.com/fidelio/opera/customers/techservices/hotspotjvm/jvm.dll

When installing the complete JRE 5 environment via download from Sun Microsystems, the required install will be named something similar to "Java Runtime Environment (JRE) 5 Update 22".

It is also possible that the Windows 7 installation has a SUN JRE already installed. Please check to see if a c:\program files\java\folder exists on the Windows 7 workstation.

Once the JRE has been installed, a folder will exist within the installed folder named "client". (For example; C:\Program Files\Java\jre1.5.0_22\bin\client) In that folder is the replacement JVM.dll needed for the Jinitiator installation.

Rename the JVM.dll from the …\jinitiator 1.3.1.25\bin\hotspot folder
Copy in a new copy from the …\java\ jre1.5.0_22\bin\client\ folder

The final step related to the Jinitiator installation is to change the permissions on the "C:\Program Files\Oracle\jinitiator 1.3.1.25" folder. This is required for some functionality in Opera to work correctly.

To do this, right click on the folder and select 'Properties' and then select the 'Security' tab.
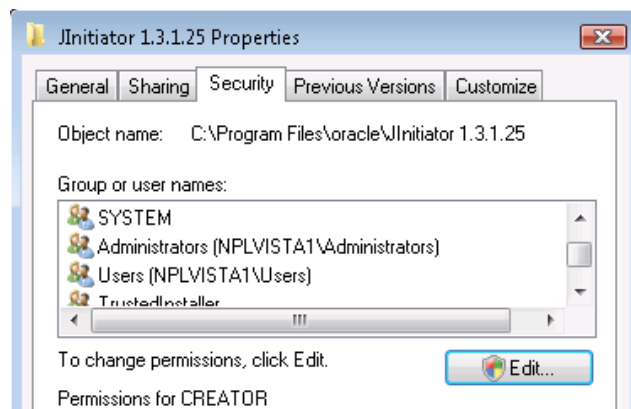
Select the edit button, for the Administrators and Users groups and check 'Full Control'. For the Users group the 'Special Permissions' box will not remain checked once the change is saved.
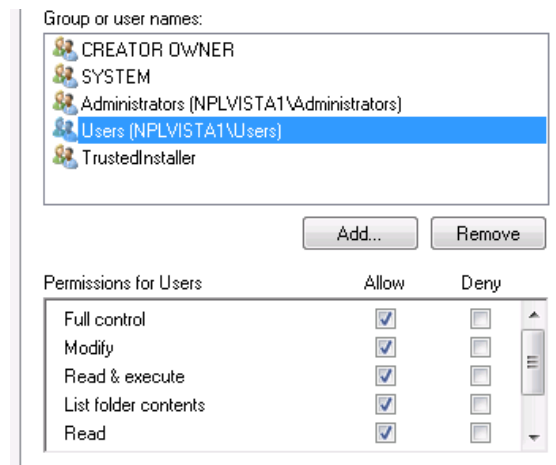
Screen Painter:

It is also necessary to install the Screen Painter software, screenpainter.exe. This is done via the URL:

//http:/<appserverhost/installScreenWiz.exe
(replace <appserverhost> with the name of your application server)

BI Publisher

For sites that are using BI Publisher to customize reports, a new version has been released that can be installed on Windows 7 workstations. This is labeled as "release 4" of the Opera BI Publisher Desktop install.

Trouble Shooting

Here are some examples of the error screens you will see if any of the above steps did not complete successfully. If the Jinitiator piece was not completed or a site has not been added to the 'Trusted Sites' the following will be displayed:
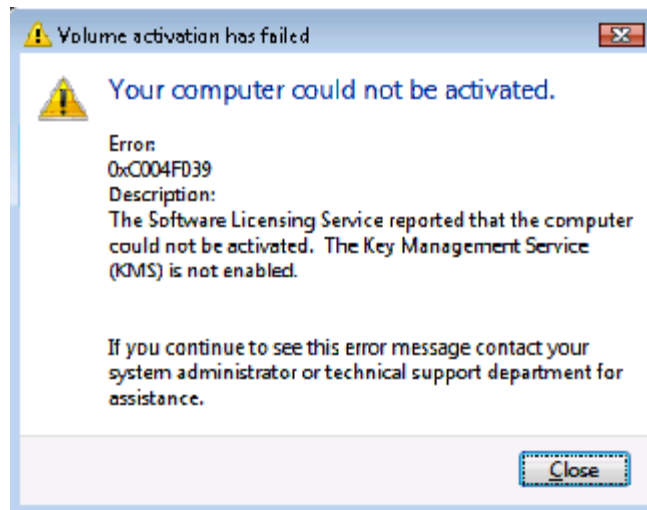
If the JVM.dll was not copied successfully, or the Phishing or Add-ons options were not configured the following screens will be displayed:
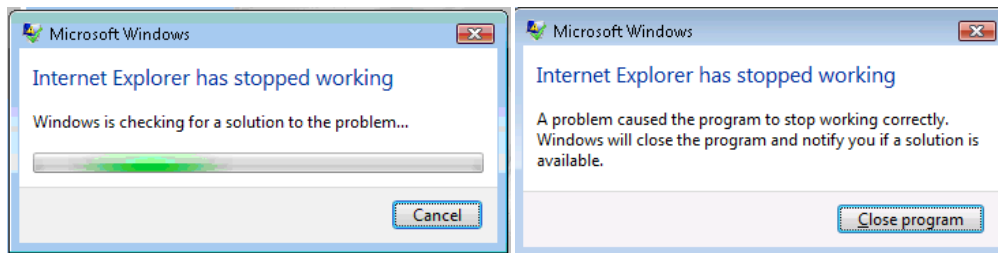
Although it is not directly related to Opera not functioning, if the workstation is not registered with Microsoft (which is a requirement with Windows 7) you will occasionally see the following screen pop up:

If the machine does not get registered it will eventually (30 days) cease functioning. Please see the Microsoft website for further information on Windows 7 activation and how to do it.

http://technet.microsoft.com/en-us/windows/dd361745.aspx