EDT Citrix Guide

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HALLIBURTON

Landmark acknowledges that certain third party code has been bundled with, or embedded in, Landmark's software. The licensors of this third party code, and the terms and conditions of their respective licenses, may be found at the following location:

[Installdir]\Documentation\Third_Party.pdf

Contents

Installation

Introduction

Welcome to deployment guidelines for Landmark Engineer's Desktop 5000.1, on Citrix Presentation Server 4.0.1 on Windows 2003 Server. Details on Citrix Presentation Server 4.0.1 can be found in Appendix A; details on Windows 2003 Server can be found in Appendix B.

Before you can install the Engineer's Desktop applications, you must have the following prerequisites installed:

- Microsoft .NET Framework 2.0

These prerequisite installations and the Landmark EDT 5000.1 installations are discussed in following sections.

A Few Important Rules

1. You cannot have the EDM database on the Citrix box; it must be on a different machine.

2. SAM (Simultaneous Access Monitor) cannot be on the Citrix box; it can, however, be on the EDM database server.

3. You must have a C: drive on the Citrix box, or applications will not work properly. This is a third-party applications requirement.

4. You must have .NET 2.0 Framework or things may not work properly.

5. Read the 'Citrix' portion of the System Requirements section in the *Engineer's Desktop 5000.1 Drilling Summary Level Release Notes* to see what the tested configuration is.

Landmark 5000.1 Third-Party Components Installation

The person performing the installation must be in the local Administrators group.

1. Make sure that Citrix Virtual Memory Optimization *is turned off* before proceeding.

2. Log in as a local Administrator.

3. Using Landmark Software Manager, download Engineer's Desktop 5000.1 Third Party. Navigate to the \ThirdParty folder and click **setup.exe**. When the installation screen appears, follow the prompts.

4. Reboot. Some Landmark applications, tools, and services may not work properly until the system has been rebooted.

SQL Server 2005 Express Installation

Microsoft SQL Server 2005 Express and SQL Server Utility are installed with Landmark Engineer's Desktop 5000.1 setup program by selecting the SQL Express Administration check box in during the EDM installation.

SQL Server 2005 Express Install Note 1:

Landmark Engineer's Desktop SQL Server 2005 Express Local install is run, and sample EDM 5000.1 database is attached if SQL Express Administration is chosen to be installed.

SQL Server Express 2005 Install Note 2:

SQL Server Express 2005 cannot be installed over a UNC or a network shared drive path.

HIGHLY RECOMMENDED SQL Server 2005 Express Install Note 3:

It is advisable not to install SQL Server 2005 Express on the Citrix server because of complications with SQL Server 2005 Express install. To get a copy of the sample Landmark Engineer's Desktop 5000.1, EDM 5000.1 MSDE Sample database, contact Landmark Graphics Corporation Support. (All EDM licensed clients are eligible to obtain a sample copy of the EDM 5000.1 database).

Landmark Engineer's Desktop 5000.1 Applications Installation

Landmark Engineer's 5000.1 setup program does not include an ADF, MSI, or MSP package. Please create one when using Citrix MetaFrame XP Installation Manager to push Engineer's Desktop 5000.1 setup program onto multiple server farms.

Step A

The person performing the installation must be in the local Administrators group.

1.   Make sure that Citrix Virtual Memory Optimization is turned off before proceeding.

2.   Log in as a local Administrator.

3.   Verify space requirements for installation of suitable Landmark Engineer's Desktop applications as laid down in the appropriate Engineer's Desktop Installation Guide (EDM and Drilling).

4.   Verify that at least 100 MB is available in the Windows TEMP folder.

Step B: Install EDM

5.   Using Landmark Software Manager, download Engineer's Desktop 5000.1 EDM. Navigate to the \EDM folder and click **setup.exe**. When the installation screen appears, follow the prompts.

Step C: Install Drilling & Completions Applications

6.   Using Landmark Software Manager, download Engineer's Desktop 5000.1 Drilling. Navigate to the \Drilling folder and click **setup.exe**. When the installation screen appears, follow the prompts.

7.   When the installation is finished, you must restart the Citrix server.

Step D

8.   Provide Full Access (especially Read, Write, Execute, and Modify) rights to the folder where Landmark Engineer's Desktop 5000.1 is installed.

Landmark Engineer's Desktop 5000.1 installation is complete.

Publishing Engineer's Desktop 5000.1

Introduction and Executable Paths

All applications are publishable by just pointing to their respective executables.

1. Log in as a member of the Administrator's group.

2. From the Windows Start menu, select **Programs > Citrix > Management Console**.

3. Connect to the **MetaFrame XP Server Farm** as a member of Administrator's group.

The following are the paths to the respective Landmark Engineer's Desktop 5000.1 suite of applications:

EDM Administration

EDM Administration Utility   \<installation path>\EDM\Admin Utility\Bin\RunAdmin.bat

SQL Server Administration

SQL Server Utility   \<installation path>\EDM\MSDE Utility\SSUtils.exe

Drilling Data Migration

Drilling Data Migration   \<installation path>\EDM\Data Migration\Bin\DataMigrationTool.bat

Drilling Field Mapping   \<installation path>\EDM\Data Migration\Bin\FieldMappingTool.bat

EDM Data Merging   \<installation path>\EDM\Data Migration\Bin\DataMergingTool.bat

WELLPLAN wfw Migration   \<installation path>\EDM\Data Migration\wfwImport

Database Creation

EDM Database Creation   \<installation path>\EDM\db_create.exe

Drilling Engineering Applications

COMPASS   \<installation path>\COMPASS\Bin\COMPASS.bat

CasingSeat	<installation path>\CasingSeat\Server\CasingSeat.bat
StressCheck	<installation path>\StressCheck\Server\StressCheck.bat
Well Cost	<installation path>\WellCost\WellCost.bat
WELLPLAN	<installation path>\EDT\WELLPLAN\Bin\WELLPLAN.bat

Data Management Applications

OpenWells	<installation path>\OpenWells\Bin\RunOpenWells.bat
OpenWells PDA CDRS Report Generator	<installation path>\OpenWells\NPD\RunNPDRept.bat
OpenWells Performance Reviews	<installation path>\OpenWells\Performance Reviews \RunOWPR_Console.bat
OpenWells Property Loader	<installation path>\OpenWells\Property Loader \RunPropertyLoader.bat
PROFILE	<installation path>\Profile\Profile.bat
Data Analyzer	<installation path>\ Data Analyzer\DataAnalyzer.bat
Real-Time View	<installation path>\LogView\RunLogViewer.bat

Tools

Catalog Editor	<installation path>\EDM\Catalog Editor\Bin\CatalogEditor.bat
Rig Editor	<installation path>\EDM\Rig Editor\RigEditor.bat
EDM Publishing Service	<installation path>\Common Files\Data Services\EDTPublishing.exe
EDM Services Controller	<installation path>\Common Files\Data Services\DSWSController.exe
EDM to OpenWorks Link	<installation path>\EDM\EDM to OpenWorks\EDMtoOpenWorks.bat
Field Office Data Transfer	<installation path>\Common Files\Data Services\FOTrans.bat
Unit Converter	<installation path>\EDM\Unit Converter\UnitConverter.bat
NPD CDRS Report Generation	<installation path>\OpenWells\NPD\RunNPDRept.bat
Symbol Manager	<installation path>\Common Files\WellSchematic\SymbolManager.bat"

Maintenance Mode

Tips

Prior to Modify/Repair of 5000.1 applications or 5000.1 Third-Party components, please navigate to the appropriate download (ThirdParty, EDM, or Drilling) and perform **Modify/Repair** operations through the **Add/Remove** program wizard.

To uninstall, you don't need to have the CD inserted into the drive, and everything can be removed through **Add/Remove** programs.

Troubleshooting Guide & Known Issues

DE # 614042

Issue:

Application Logs being full can stop .NET services or start having errors.

Cause:

Event Log is full or has too many entries.

Workaround:

To clear the Application Event Log; before starting the install,

1. Log in as a System Administrator.

2. **Start > Settings > Control Panel > Administrative Tools > Event Viewer**.

3. In the Event Viewer, right click on **Application Log** (in the left pane under Event Viewer(Local)) and from the pull down menu select the **Clear all Events** menu item.

4. Click **Yes/No** in the Event Viewer dialog.

5. Start the install.

6. If some applications are filling up the Application Event Log at a rapid rate, while EDT is being installed, keep clearing the Application Event Log at regular intervals during the EDT install.

7. If the above solution does not work, repeat the same with System Log in the Event Viewer. If it still does not work, contact Landmark Graphics Support.

DE # 726576

Issue:

Error generated in Citrix environment when migrating data (COMPASS For Windows import).

Cause:

Insufficient rights to data transfer folders.

Workaround:

Assign read/write rights to the data transfer folders.

CTRL+F1 Hot Key Issue

Issue:

On normal desktops Ctrl + F1 key is set to invoke OpenWells Custom Context Sensitive Help. On many ICA clients, Ctrl + F1 Hot Key by default invokes a Ctrl + Alt + Del for the CITRIX server itself .

Workaround:

The Hot Key is per-client basis, so users should be able to change it from their client machines.

CasingSeat and StressCheck Templates and Reports not being Saved

Issue:

Templates and Reports generated in CasingSeat and StressCheck are not being saved to the application's Client folder in a Citrix environment.

Cause:

The user does not have Read\Write access to the application's Client folder.

Workaround:

Grant the user Read\Write access to the following folders on the Citrix system:

- <installation directory>\CasingSeat\Client

- <installation directory>\StressCheck\Client

Note:

The user must be granted Read\Write access to any folders on the Citrix server that will be used to save templates and reports .

Coarse Gradient Shading on Well Explorer Title Bars

Issue:

The title bars for Filter, Well Explorer, Associated Data Viewer, Well Configuration, etc. display coarse gradient shading, making it difficult to read the title bar text. Below is an example:

Coarse gradient shading due to **incorrect** settings

Normal gradient shading when settings are **correct**
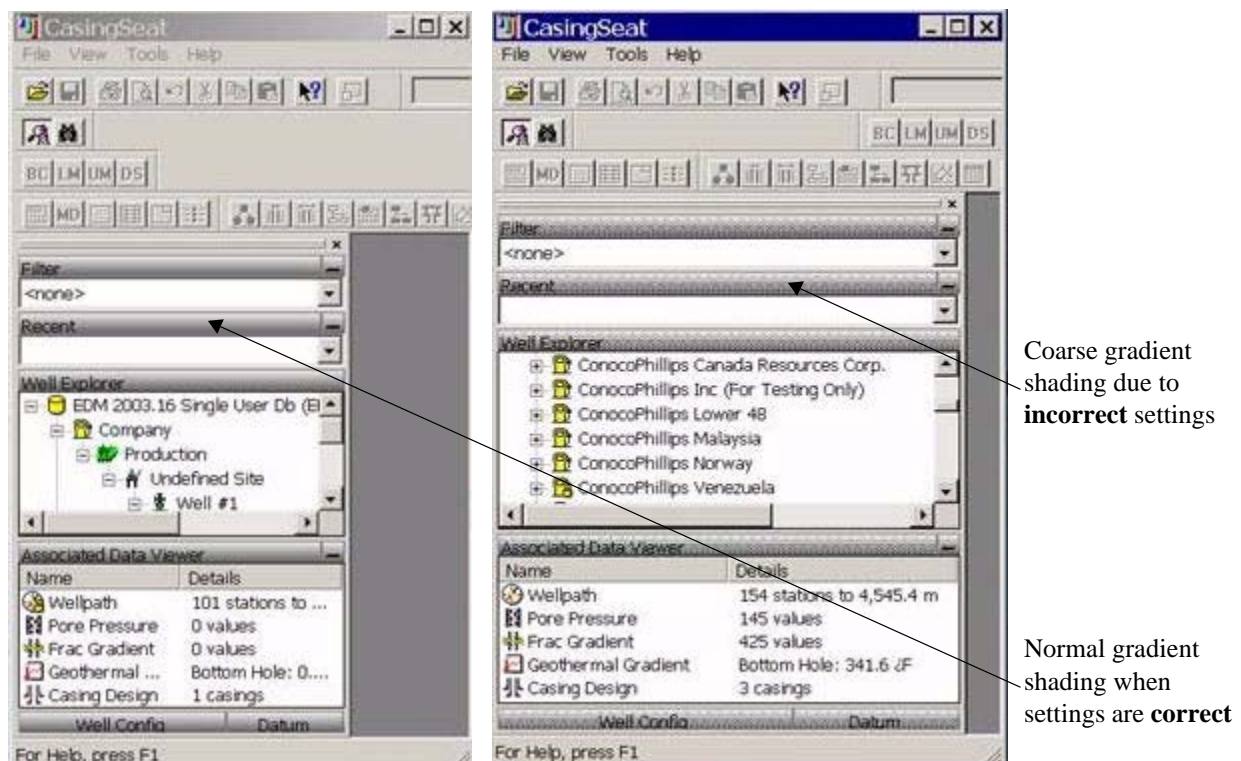
Cause:

The Seamless Window setting on the Citrix Client (ICA connection) setup does not match the display settings size (resolution, screen area).

Workaround:

1. From the main Citrix window, select the Properties button.

2. The settings window will appear; select the Connection Preferences option.

3. Select a window size that matches the display settings on the monitor being used (not the settings on the Citrix server).

Error 1718 - File was rejected by digital signature policy

Issue

During the installation, you may encounter an "Error 1718 - File was rejected by digital signature policy".

Cause

The cause for this is that if your computer is joined to a domain, a domain policy update may override the registry changes that you make.

Workaround

Landmark *strongly* recommends that you disconnect the computer from the domain before you follow these steps to fix the problem.

1. Click **Start**, click **Run**, type **regedit**, and then click **OK**.

2. In Registry Editor, locate and then click on the following registry key:

HKEY_LOCAL_MACHINE\Software\Policies\Microsoft\Windows\Safer\CodeIdentifiers

---

Important: Before you modify this key, we recommend that you back up this key.

To do this, right-click **CodeIdentifiers**, then click **Export**. Save the file to a location where you can find it.

---

3. Change the **PolicyScope** registry value. To do this, double-click **PolicyScope**, and then change the setting from 0 to **1**.

4. Close Registry Editor.

5. Click **Start**, click **Run**, type **cmd**, and then click **OK** to open a Command Prompt window.

6. At the command prompt, type the following command, and then press **Enter**:

   net stop msiserver

   This command stops the Windows Installer service if the service is currently running in the background. When the service has stopped, close the Command Prompt window, and then go to Step 7.

Note: If you receive the following message at the Command Prompt, close the Command Prompt window, and then go to Step 7:

"The Windows Installer service is not started"

---

7. Install the program that you were trying to install when you received the error message that is mentioned in the "Symptoms" section.

8. After you install the program, repeat Steps 1 and 2. Then, change the **PolicyScope** registry value back to **0**.

9. If you disconnected the computer from a domain, re-join the
   domain, and then restart the computer.

> **Note: If you did not disconnect the computer from a domain,
> you do not have to restart the computer.**

If the previous steps do not resolve the issue, follow these steps:

1. Click **Start**, click **Run**, type **control admintools**, and then click
   OK.

2. Double-click **Local Security Policy**.

3. Click **Software Restriction Policies**.

> **Note: If no software restrictions are listed, right-click Software
> Restriction Policies, and then click Create New Policy.**

4. Under **Object Type**, double-click **Enforcement**.

5. Click **All users except local administrators**, and then click **OK**.

6. Restart the computer.

Virtual Memory Optimization

It is highly recommended that Virtual Memory Optimization be turned OFF.

Data Execution Prevention

Data Execution Prevention helps protest against damage from viruses and other threats. However, some programs may not run correctly when this is turned on. If there is a conflict, you will see an error similar to this:
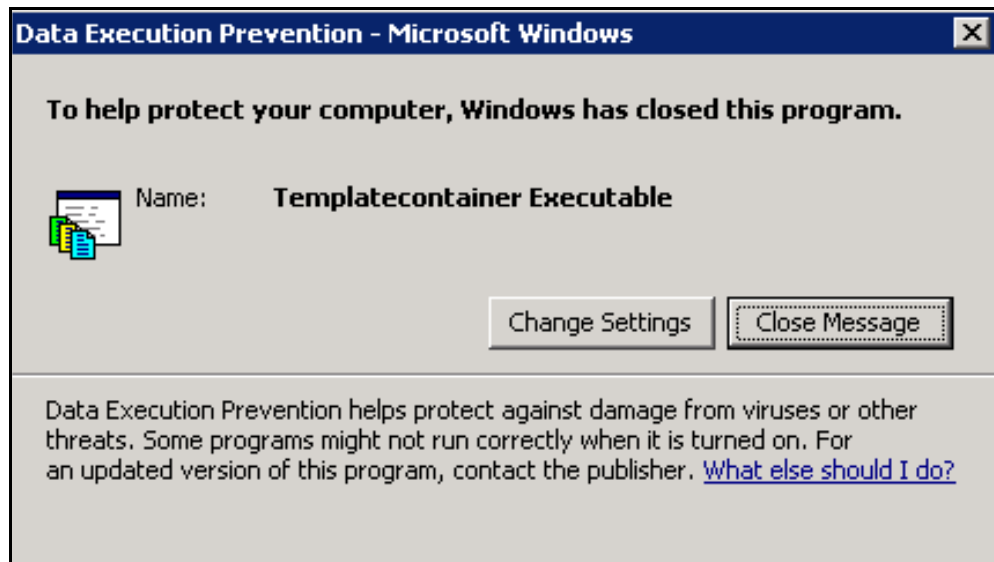
It is recommended that Data Execution Prevention be set to "**Turn on DEP for essential Windows programs and services only**"

To set DEP:

1. Right-click **My Computer**.

2. Select **Properties > Advanced** tab.

3. Under **Performance**, click the **Settings** button. Select **Data Execution Prevention** tab.

4. Select **Turn on DEP for essntial Windows programs and services only**.

5. Click **OK**.
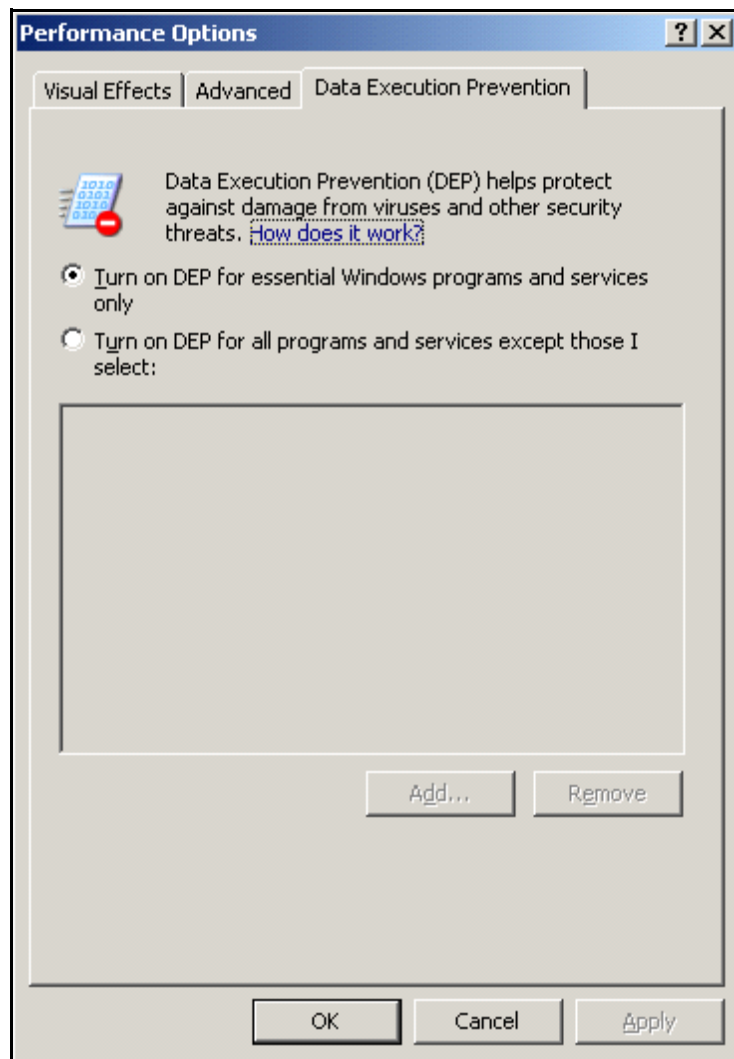
Appendix A—Citrix Client and Server Versioning

Server

- Citrix MetaFrame Presentation Server for Windows, Enterprise Edition, Version 4.0.1

- Management Console for MetaFrame Presentation Server 4.0, Version: 4.0.1

- MetaFrame Presentation Server – Administration Snap-in, Version 2.0.0

- NFUSE (web-server interface) version 4.0.4.5083.

Client

- NFUSE, Windows Web Client. File Version: 9.150

- Window Desktop Client: Citrix MetaFrame Program Neighborhood, Version 9.150

Appendix B—Windows 2003 Server Versioning

Operating System

- Microsoft Windows 2003 Standard Edition, Service Pack 2

Appendix C—Sample .Config File

Sample *Security.Config* File

```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <mscorlib>
    <security>
      <policy>
        <PolicyLevel version="1">
          <SecurityClasses>
            <SecurityClass Name="UIPermission"
                    Description="System.Security.Permissions.UIPermission, mscorlib, Ver-
sion=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
            <SecurityClass Name="ZoneMembershipCondition"
                    Description="System.Security.Policy.ZoneMembershipCondition, mscorlib,
Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
            <SecurityClass Name="UnionCodeGroup"
                    Description="System.Security.Policy.UnionCodeGroup, mscorlib, Ver-
sion=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
            <SecurityClass Name="FileCodeGroup"
                    Description="System.Security.Policy.FileCodeGroup, mscorlib, Ver-
sion=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
            <SecurityClass Name="IsolatedStorageFilePermission"
                    Description="System.Security.Permissions.IsolatedStorageFilePermission,
mscorlib, Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
            <SecurityClass Name="PerformanceCounterPermission"
                    Description="System.Diagnostics.PerformanceCounterPermission, System,
Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
            <SecurityClass Name="WebPermission"
                    Description="System.Net.WebPermission, System, Version=1.0.5000.0, Cul-
ture=neutral, PublicKeyToken=b77a5c561934e089"/>
            <SecurityClass Name="ReflectionPermission"
                    Description="System.Security.Permissions.ReflectionPermission, mscorlib,
Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
            <SecurityClass Name="NetCodeGroup"
                    Description="System.Security.Policy.NetCodeGroup, mscorlib, Ver-
sion=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
            <SecurityClass Name="MessageQueuePermission"
                    Description="System.Messaging.MessageQueuePermission, System.Messag-
ing, Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a"/>
```

```
        <SecurityClass Name="ServiceControllerPermission"
                Description="System.ServiceProcess.ServiceControllerPermission, Sys-
tem.ServiceProcess, Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a"/
>
        <SecurityClass Name="RegistryPermission"
                Description="System.Security.Permissions.RegistryPermission, mscorlib, Ver-
sion=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="PrintingPermission"
                Description="System.Drawing.Printing.PrintingPermission, System.Drawing,
Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a"/>
        <SecurityClass Name="OleDbPermission"
                Description="System.Data.OleDb.OleDbPermission, System.Data, Ver-
sion=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="AllMembershipCondition"
                Description="System.Security.Policy.AllMembershipCondition, mscorlib,
Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="SecurityPermission"
                Description="System.Security.Permissions.SecurityPermission, mscorlib, Ver-
sion=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="SocketPermission"
                Description="System.Net.SocketPermission, System, Version=1.0.5000.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="EnvironmentPermission"
                Description="System.Security.Permissions.EnvironmentPermission, mscorlib,
Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="SqlClientPermission"
                Description="System.Data.SqlClient.SqlClientPermission, System.Data, Ver-
sion=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="EventLogPermission"
                Description="System.Diagnostics.EventLogPermission, System, Ver-
sion=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="FileIOPermission"
                Description="System.Security.Permissions.FileIOPermission, mscorlib, Ver-
sion=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="DnsPermission"
                Description="System.Net.DnsPermission, System, Version=1.0.5000.0, Cul-
ture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="NamedPermissionSet"
                Description="System.Security.NamedPermissionSet"/>
        <SecurityClass Name="FileDialogPermission"
                Description="System.Security.Permissions.FileDialogPermission, mscorlib,
Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        <SecurityClass Name="DirectoryServicesPermission"
                Description="System.DirectoryServices.DirectoryServicesPermission, Sys-
tem.DirectoryServices, Version=1.0.5000.0, Culture=neutral, PublicKeyTo-
ken=b03f5f7f11d50a3a"/>
```

```
        <SecurityClass Name="StrongNameMembershipCondition"
                  Description="System.Security.Policy.StrongNameMembershipCondition,
mscorlib, Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089"/>
        </SecurityClasses>
        <NamedPermissionSets>
          <PermissionSet class="NamedPermissionSet"
                  version="1"
                  Name="Nothing"
                  Description="Denies all resources, including the right to execute"/>
          <PermissionSet class="NamedPermissionSet"
                  version="1"
                  Unrestricted="true"
                  Name="FullTrust"
                  Description="Allows full access to all resources"/>
          <PermissionSet class="NamedPermissionSet"
                  version="1"
                  Name="LocalIntranet"
                  Description="Default rights given to applications on the local intranet">
            <IPermission class="EnvironmentPermission"
                   version="1"
                   Read="USERNAME"/>
            <IPermission class="FileDialogPermission"
                   version="1"
                   Unrestricted="true"/>
            <IPermission class="IsolatedStorageFilePermission"
                   version="1"
                   Allowed="AssemblyIsolationByUser"
                   UserQuota="9223372036854775807"
                   Expiry="9223372036854775807"
                   Permanent="True"/>
            <IPermission class="ReflectionPermission"
                   version="1"
                   Flags="ReflectionEmit"/>
            <IPermission class="SecurityPermission"
                   version="1"
                   Flags="Assertion, Execution, BindingRedirects"/>
            <IPermission class="UIPermission"
                   version="1"
                   Unrestricted="true"/>
            <IPermission class="DnsPermission"
                   version="1"
                   Unrestricted="true"/>
            <IPermission class="PrintingPermission"
                   version="1"
                   Level="DefaultPrinting"/>
            <IPermission class="EventLogPermission"
```

```
                version="1">
        <Machine name="."
                access="Instrument"/>
      </IPermission>
    </PermissionSet>
    <PermissionSet class="NamedPermissionSet"
                version="1"
                Name="Internet"
                Description="Default rights given to internet applications">
      <IPermission class="FileDialogPermission"
                version="1"
                Access="Open"/>
      <IPermission class="IsolatedStorageFilePermission"
                version="1"
                Allowed="DomainIsolationByUser"
                UserQuota="10240"/>
      <IPermission class="SecurityPermission"
                version="1"
                Flags="Execution"/>
      <IPermission class="UIPermission"
                version="1"
                Window="SafeTopLevelWindows"
                Clipboard="OwnClipboard"/>
      <IPermission class="PrintingPermission"
                version="1"
                Level="SafePrinting"/>
    </PermissionSet>
    <PermissionSet class="NamedPermissionSet"
                version="1"
                Name="SkipVerification"
                Description="Grants right to bypass the verification">
      <IPermission class="SecurityPermission"
                version="1"
                Flags="SkipVerification"/>
    </PermissionSet>
    <PermissionSet class="NamedPermissionSet"
                version="1"
                Name="Execution"
                Description="Permits execution">
      <IPermission class="SecurityPermission"
                version="1"
                Flags="Execution"/>
    </PermissionSet>
    <PermissionSet class="NamedPermissionSet"
                version="1"
                Name="Everything"
```

Description="Allows unrestricted access to all resources covered by built-in
permissions">

```
<IPermission class="EnvironmentPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="FileDialogPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="FileIOPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="IsolatedStorageFilePermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="ReflectionPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="RegistryPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="SecurityPermission"
        version="1"
        Flags="Assertion, UnmanagedCode, Execution, ControlThread, ControlEvi-
dence, ControlPolicy, SerializationFormatter, ControlDomainPolicy, ControlPrincipal, Contro-
lAppDomain, RemotingConfiguration, Infrastructure, BindingRedirects"/>
<IPermission class="UIPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="DnsPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="PrintingPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="EventLogPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="SocketPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="WebPermission"
        version="1"
        Unrestricted="true"/>
<IPermission class="PerformanceCounterPermission"
        version="1"
        Unrestricted="true"/>
```

```
                        <IPermission class="DirectoryServicesPermission"
                                version="1"
                                Unrestricted="true"/>
                        <IPermission class="MessageQueuePermission"
                                version="1"
                                Unrestricted="true"/>
                        <IPermission class="ServiceControllerPermission"
                                version="1"
                                Unrestricted="true"/>
                        <IPermission class="OleDbPermission"
                                version="1"
                                Unrestricted="true"/>
                        <IPermission class="SqlClientPermission"
                                version="1"
                                Unrestricted="true"/>
                </PermissionSet>
             </NamedPermissionSets>
             <CodeGroup class="UnionCodeGroup"
                    version="1"
                    PermissionSetName="Nothing"
                    Name="All_Code"
                    Description="Code group grants no permissions and forms the root of the code
group tree.">
                    <IMembershipCondition class="AllMembershipCondition"
                            version="1"/>
                    <CodeGroup class="UnionCodeGroup"
                        version="1"
                        PermissionSetName="FullTrust"
                        Name="My_Computer_Zone"
                        Description="This code group grants the FullTrust permission set to assemblies
from the My_Computer_Zone. Allows full access to all resources. This code group has been mod-
ified by the Adjust Security Wizard.">
                        <IMembershipCondition class="ZoneMembershipCondition"
                                version="1"
                                Zone="MyComputer"/>
                    <CodeGroup class="UnionCodeGroup"
                        version="1"
                        PermissionSetName="FullTrust"
                        Name="Microsoft_Strong_Name"
                        Description="Code group grants full trust to code signed with the Microsoft
strong name. ">
                        <IMembershipCondition class="StrongNameMembershipCondition"
                                version="1"
```

PublicKeyBlob="00240000048000009400000006020000002400005253413100040000001000010
007D1FA57C4AED9F0A32E84AA0FAEFD0DE9E8FD6AEC8F87FB03766C834C99921EB23

```
BE79AD9D5DCC1DD9AD236132102900B723CF980957FC4E177108FC607774F29E8320E9
2EA05ECE4E821C0A5EFE8F1645C4C0C93C1AB99285D622CAA652C1DFAD63D745D6F2
DE5F17E5EAF0FC4963D261C8A12436518206DC093344D5AD293"/>
            </CodeGroup>
         <CodeGroup class="UnionCodeGroup"
               version="1"
               PermissionSetName="FullTrust"
               Name="ECMA_Strong_Name"
               Description="Code group grants full trust to code signed with the ECMA
strong name.">
               <IMembershipCondition class="StrongNameMembershipCondition"
                        version="1"
                        PublicKeyBlob="00000000000000000400000000000000"/>
         </CodeGroup>
      </CodeGroup>
      <CodeGroup class="UnionCodeGroup"
               version="1"
               PermissionSetName="LocalIntranet"
               Name="LocalIntranet_Zone"
               Description="This code group grants the LocalIntranet permission set to assem-
blies from the LocalIntranet_Zone. Default rights given to applications on the local intranet. This
code group has been modified by the Adjust Security Wizard.">
         <IMembershipCondition class="ZoneMembershipCondition"
                        version="1"
                        Zone="Intranet"/>
         <CodeGroup class="NetCodeGroup"
               version="1"
               Name="NetCodeGroup_1"
               Description="Codegroup generated by the .NET Configuration tool">
            <IMembershipCondition class="AllMembershipCondition"
                        version="1"/>
         </CodeGroup>
         <CodeGroup class="FileCodeGroup"
               version="1"
               Name="FileCodeGroup_1"
               Description="Codegroup generated by the .NET Configuration tool"
               Access="Read, PathDiscovery">
            <IMembershipCondition class="AllMembershipCondition"
                        version="1"/>
         </CodeGroup>
      </CodeGroup>
      <CodeGroup class="UnionCodeGroup"
               version="1"
               PermissionSetName="LocalIntranet"
               Name="Internet_Zone"
```

```
          Description="This code group grants the LocalIntranet permission set to assem-
blies from the Internet_Zone. Default rights given to applications on the local intranet. This code
group has been modified by the Adjust Security Wizard.">
          <IMembershipCondition class="ZoneMembershipCondition"
                    version="1"
                    Zone="Internet"/>
          <CodeGroup class="NetCodeGroup"
               version="1"
               Name="NetCodeGroup_1"
               Description="Codegroup generated by the .NET Configuration tool">
            <IMembershipCondition class="AllMembershipCondition"
                    version="1"/>
          </CodeGroup>
          <CodeGroup class="FileCodeGroup"
               version="1"
               Name="FileCodeGroup_1"
               Description="Codegroup generated by the .NET Configuration tool"
               Access="Read, PathDiscovery">
            <IMembershipCondition class="AllMembershipCondition"
                    version="1"/>
          </CodeGroup>
        </CodeGroup>
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               version="1"
               PermissionSetName="LocalIntranet"
               Name="Trusted_Zone"
               Description="This code group grants the LocalIntranet permission set to assem-
blies from the Trusted_Zone. Default rights given to applications on the local intranet. This code
group has been modified by the Adjust Security Wizard.">
          <IMembershipCondition class="ZoneMembershipCondition"
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                    Zone="Trusted"/>
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               Name="NetCodeGroup_1"
               Description="Codegroup generated by the .NET Configuration tool">
            <IMembershipCondition class="AllMembershipCondition"
                    version="1"/>
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               version="1"
               Name="FileCodeGroup_1"
               Description="Codegroup generated by the .NET Configuration tool"
               Access="Read, PathDiscovery">
            <IMembershipCondition class="AllMembershipCondition"
                    version="1"/>
```

```
            </CodeGroup>
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                Name="Restricted_Zone"
                Description="This code group grants the Nothing permission set to assemblies
from the Restricted_Zone. Denies all resources, including the right to execute. This code group
has been modified by the Adjust Security Wizard.">
            <IMembershipCondition class="ZoneMembershipCondition"
                        version="1"
                        Zone="Untrusted"/>
        </CodeGroup>
    </CodeGroup>
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                    AssemblyVersion="1.0.5000.0"/>
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                    AssemblyVersion="1.0.5000.0"/>
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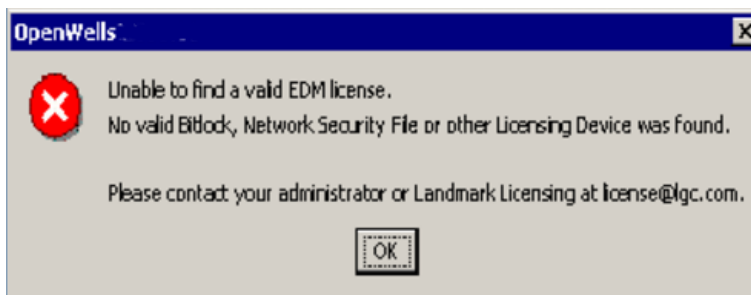   </PolicyLevel>
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Appendix D—EDM and OpenWells Licensing Information

This Appendix describes some common test results with licensing around EDM, OpenWells, and all Drilling Engineering applications. EDM and individual application licenses are per Client machine. One EDM license is required per Client machine.

Scenario 1:

Number of independent users exceeds the number of licenses

Result:

As an example, if there are only two EDM licenses; as soon as a third user launches OpenWells from Client (published either as a Desktop or an Application), the following message will be displayed by OpenWells.

Scenario 2:

OpenWells screen flashing and disappearing is primarily because the same user is launching:

1.   OW from two/multiple client machines, or ;

     For, example, if you launch OpenWells from Client 1 (published from Server1) as ad\gwebster and then with this OW instance open, try to launch another instance of OpenWells from Client 2

with the same account—ad\gwebster—, the second instance will just flash and then disappear.

2. two/multiple instances of OpenWells from the same client, but in a scenario where OpenWells is published as multiple instances with different names for the same client.

   For example, if OpenWells is published ten times with different names and you try to launch all ten OpenWells instances from the same client machine with the same account—ad\gwebster.

Cause:

The reason is that OpenWells is a single instance JAVA application, and only one javaw.exe at a time can run for any user. It is not so visible in OpenWells on a PC.

The CITRIX presentation server creates separate OpenWells instances for each user, and hence different users can access OpenWells without crashing each other.

As a cautionary measure, please request the system administrator to see if there is already a javaw.exe running on the Server for the 8[th] user as he tries to launch OpenWells through Citrix Client.

Scenario 3:

OpenWells splash screen appears and stays there indefinitely.

Cause:

Some Java plug-ins of other applications can cause conflict with OpenWells. This is because the other applications may not be patched with correct java version. Such things are rare.