

# .NET VERSION 1.1 CONFIGURATION GUIDE

For IHS Energy Applications

AccuMap 
 Acculogs

Revision: 1.5 - January, 2006

www.ihsenergy.ca

January, 2006 IHS Energy Ltd.

# **INFORMATION TECHNOLOGY NOTIFICATION**

# MICROSOFT .NET 1.1 FRAMEWORK

# **IHS ENERGY LTD.**

#### <u>Summary</u>

IHS Energy will be using the Microsoft .NET Framework standards commencing in the January '06 release of AccuMap. This document will provide IT staff with the necessary information to install and configure .NET enabled IHS Energy applications and the .NET Framework runtime.

#### Audience

This document is intended for IT staff supporting or installing .NET enabled IHS Energy applications. The procedures described require Administrator privileges on the local workstation and on the network server, if a server installation is required.

#### Impact

AccuMap v16.01 released in January 2006 will check the workstation for Microsoft .NET v1.1 and appropriate security settings. Launching AccuMap v16.01 will result in one of 3 possible outcomes.



1. Microsoft .NET v1.1 not installed. AccuMap will not start!



- 2. .NET Security not correct or not defined. AccuMap will not start!
- 3. Above tests pass and AccuMap starts normally.

# IHS Energy Support Document Website:

http://www.ihsenergy.ca/support/documentation\_ca/index.jsp

# Case #1: IHS Energy applications are installed as a Standalone installation on the local workstation.

# **Installation**

Download and install the .NET Framework 1.1 on each workstation prior to running .NET enabled IHS Energy Applications. You can download it from the Microsoft website from the Web Link below.

Title	Release Date	Popularity +
<u>.NET Framework Version 1.1 Redistributable Package</u> The .NET Framework version 1.1 redistributable package includes everything you need to run applications developed using the .NET Framework.	3/30/2004	#4
<u>.NET Framework Version 2.0 Redistributable Package (x86)</u> The Microsoft .NET Framework version 2.0 (x86) redistributable package installs the .NET Framework runtime and associated files required to run applications developed to target the .NET Framework v2.0.	11/3/2005	<b>#9</b>
<u>.NET Framework 1.1 Service Pack 1</u> Download the latest .NET Framework 1.1 Service Pack from Microsoft.	5/31/2005	#16
.NET Framework 2.0 Software Development Kit (SDK) (x86) The Microsoft .NET Framework Software Development Kit (SDK) version 2.0 includes tools, documentation and samples developers need to write, build, test, and deploy .NET Framework applications on x86 platforms.	11/7/2005	#24

#### ".NET Framework Downloads"

<u>http://www.microsoft.com/downloads/results.aspx?productID=&freetext=.net+framework&Display</u> Lang=en

Note: While .NET 2.0 can coexist on the same computer as .NET 1.1, AccuMap will only look for and use .NET v1.1

### Configuring the .NET Framework Runtime

You do not need to do any further configuration if the IHS Energy applications are installed as a Standalone installation on the local workstation. If you can see Microsoft .NET framework 1.1 listed in Add or Remove Programs – you are .NET ready!

觉 Add or R	emo	ve Programs		
5	Î	Currently installed programs: Show updates	Sort by: Name	~
C <u>h</u> ange or Remove		🙀 Macromedia Flash Player 8		
Programs	J	🕮 Microsoft .NET Framework 1.1	Size	35.11MB
		😫 Microsoft Office Professional Edition 2003	Size	624.00MB 💻
Add <u>N</u> ew Programs		🕵 Symantec AntiVirus Client	Size	10.84MB

# Case #2: IHS Energy applications are installed on a network share.

## **Installation**

Download, install and configure the .NET Framework 1.1 on each workstation prior to running .NET enabled IHS Energy Applications. The .NET Framework 1.1 will be included on future AccuMap CD/DVD releases. Alternatively, you can download it from the Microsoft website (see the Web Links at the end of this document) or use Windows Update to download and install the .NET 1.1 Framework.

Title	Release Date	Popularity *
.NET Framework Version 1.1 Redistributable Package The .NET Framework version 1.1 redistributable package includes everything you need to run applications developed using the .NET Framework.	3/30/2004	#4
.NET Framework Version 2.0 Redistributable Package (x86) The Microsoft .NET Framework version 2.0 (x86) redistributable package installs the .NET Framework runtime and associated files required to run applications developed to target the .NET Framework v2.0.	11/3/2005	#9
<u>.NET Framework 1.1 Service Pack 1</u> Download the latest .NET Framework 1.1 Service Pack from Microsoft.	5/31/2005	#16
.NET Framework 2.0 Software Development Kit (SDK) (x86) The Microsoft .NET Framework Software Development Kit (SDK) version 2.0 includes tools, documentation and samples developers need to write, build, test, and deploy .NET Framework applications on x86 platforms.	11/7/2005	#24

Note: While .NET 2.0 can coexist on the same computer as .NET 1.1, AccuMap will only look for and use .NET v1.

# Configuring the .NET Framework Runtime

Note: only perform the following procedure if your .NET enabled IHS Energy application has been installed on a network share.

Once installed, the following .NET runtime configuration is required on each workstation that will run .NET enabled IHS Energy Applications.

Start the Microsoft .NET Framework 1.1 Configuration program from the Administrative Tools menu. (C:\WINDOWS\Microsoft.NET\Framework\v1.1.4322\mscorcfg.ms)

# Step 1: Start the .NET Configuration 1.1 editor

Expand the tree hierarchy as shown below and select the All\_Code entry.



Under Tasks in the right pane, click the 'Add a Child Code Group' link.

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# <u>Step 2 – Creating an IHS Energy Code Group:</u>

6	<u>C</u> reate a new code group
	N <u>a</u> me:
	IHS Energy
	Description:
	Import a code group from a XML File
)	Import a code group from a XML File Browse

Name = IHS Energy

Copy and paste the following text into the Description field;

This Code Group grants the FullTrust permission set to assemblies from the IHS Energy product folder.

**Click Next** 

te Code Group		
Choose a condition type The membership condition determine specific requirements to get the perm	es whether or not an assembly meets nissions associated with a code group.	
Choose the condition type for this	; code group:	
URL	•	
The URL membership condition is from the URL specified below. As condition will be granted the pern group. <u>U</u> RL:	true for all assemblies that originate ssemblies that meet this membership nissions associated with this code	
file://x:/IHSEnergy/*		
The URL must include the protoco asterisk (*) can be used as a wild Examples: http://www.microsoft.com/speci ftp://ftp.microsoft.com/pub/*	ol such as 'ftp://" or 'http://". An card character at the end of the URL. ific_assembly.dll	
		- · ·
	< <u>b</u> ack <u>N</u> ext>	Lancel

Condition Type = URL URL = Enter the full path to the root folder where IHS Energy applications are installed.

Use the following syntax when entering the URL;

file://x:/IHSEnergy/\*

(Substitute x:/IHSEnergy/ with the correct drive letter and path for your installation)

#### UNC Names

You can also use the UNC naming convention in the URL field. Use the syntax below;

File:////ServerName/ShareName/\*

(Substitute //ServerName/ShareName/ with the correct server and share name for your installation. Do prefix with file:)

Create Code Group	×
Assign a Permission Set to the Code Group Code groups must have an associated permission set. Use an existing one or create a new one.	
Would you like to use an existing permission set already defined in this policy level or create a new permission set? © Use exisiting permission set:	
FullTrust	
C Create a new permission set	
C Back Next > 0	Cancel

# Permission Set = FullTrust

Create Code Group	×
Completing the Wizard Click finish to create the new code group.	
Please click the Finish button to have the wizard create the new code group.	
If you need this code group to be Level Final or Exclusive, you can enable these options in the new code group's property page.	
< <u>B</u> ack Finish Cancel	

Click Finish to complete the Code Group Wizard.

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You should now see a new Code Group titled "IHS Energy" listed as a child group of All\_Code.

Close the .NET Configuration editor.

#### Creating more than one Code Group

If you run more than one copy of AccuMap, or it is in more than one location, you can create additional IHS Energy Code Groups provided the Code Group has a different name.Additional Code Groups must be a Child Code Group of All\_Code, not a child of the existing IHS Energy Code Group.

Creating a new code Group Node adds the following entry to the file C:\WINDOWS\Microsoft.NET\Framework\v1.1.4322\CONFIG\security.config;

```
</CodeGroup>
<CodeGroup class="UnionCodeGroup"
version="1"
PermissionSetName="FullTrust"
Name="IHS Energy"
Description="This Code Group grants the FullTrust permission set to
assemblies
<IMembershipCondition class="UrlMembershipCondition"
version="1"
Url="file://X:/IHSEnergy/*"/>
</CodeGroup>
```

Do not attempt to edit this file manually. Use the .NET Configuration 1.1 editor

#### Silent Command Line Install of the .NET Framework:

dotnetfx.exe /q:a /c:"install /l /q"

Specifying the /q:a and /q options for a silent installation allows for a standardized user installation experience. Specifying the /l option creates a setup log file, Netfx.log, in the %temp% directory where all errors are logged.

#### Automate Security Settings:

Add the following line to a login script to automate the security configuration. Edit thefile:// path to reflect your installation. This script will not check for the presence of an existing code group and if run multiple time, will create multiple entries. Ensure it only runs once.

```
%WINDIR%\Microsoft.NET\Framework\v1.1.4322\caspol -quiet -machine -addgroup
All_Code -url file://T:/IHSEnergy/* FullTrust -n "IHS Energy"
```

#### .NET Web Links

"How to determine whether a client meets the minimum requirements for installing the .NET Framework"

http://support.microsoft.com/kb/815177/EN-US/

".NET Framework Downloads"

<u>http://www.microsoft.com/downloads/results.aspx?productID=&freetext=.net+framework&Display</u> Lang=en

"An Overview of Security in the .NET Framework" http://msdn.microsoft.com/library/default.asp?url=/library/enus/dnnetsec/html/netframesecover.asp