



CLICK Trade XT 1.9.1.13 Installation Guide

2008-07-18

This manual describes how to install CLICK applications on Windows XP.

OMX is the operational name for the CLICK and OM SECUR systems.

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Quick CLICK Trade XT Installation

- 1) **Prerequisite requirement checking before installing CLICK Trade XT 1.9.1.13**
(For details, please refer to section 2.1.1 and 2.1.2)
 - [Windows Installer](#)
 - [.NET Framework 2.0](#)
- 2) **CLICK Trade XT 1.9.1.13 Installation (Please refer to section 2.2)**
 - **Login as Administrator**
 - **Double click “[Install_CLICK_Trade_19113.cmd](#)” in CD ROM**
- 3) **Checking after installation**
 - **Open login screen**
(Select Start → Program → OMX19.1 → CLICK Trade XT 1.9.1.13 or
Double click the short-cut “CLICK Trade XT 1.9.1.13” from desktop)
 - **Installation log file checking (please refer to section 2.2.2)**
- 4) **Email the installation log files to CLICKSupport@hkex.com.hk**
(please refer to section 2.3)

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1 Introduction

This installation guide describes how to install CLICK Trade XT application.

Note: Check with your system administrator that you have the right to install the program.

2 Installation

This instruction is for installing CLICK Trade XT 1.9.1.13.

2.1 Prerequisite

2.1.1 Microsoft Windows Installer

The CLICK workstation should have “Microsoft Windows Installer” before installing “Microsoft .NET Framework 2.0” or “CLICK Trade XT”. User may check the availability of the software by right clicking the “My Computer” icon and select “Manage”. Windows Installer should be located under the group “Services”.

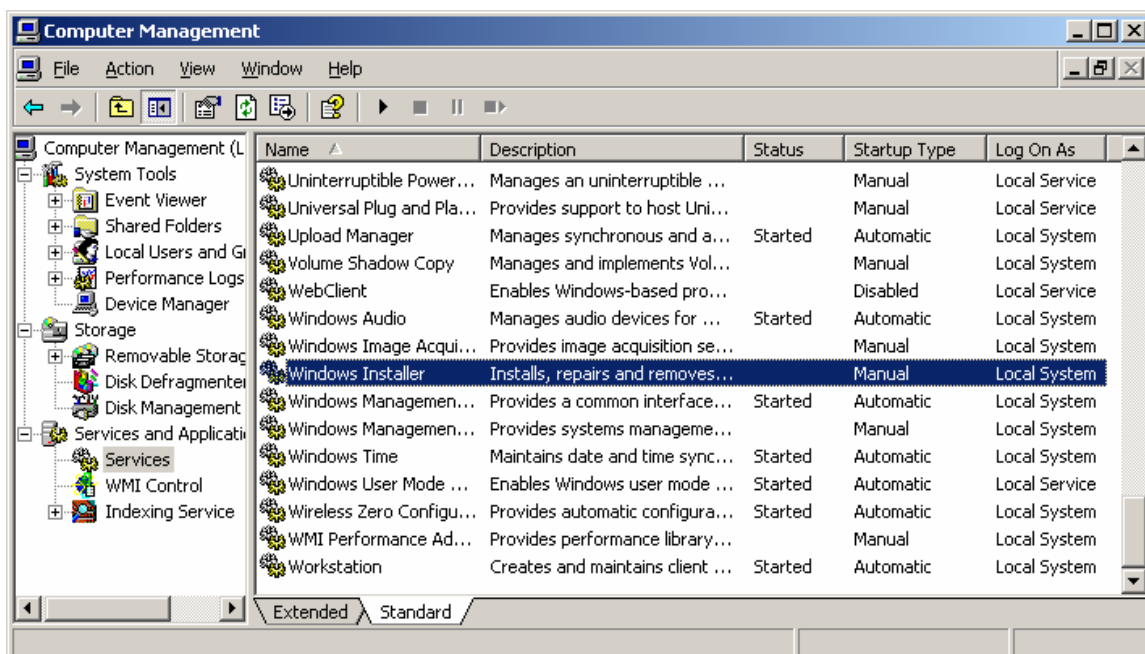


Figure 1 Microsoft Windows Installer Service

If Microsoft Windows Installer does not exist in your workstation, please refer to the following link for more information and download the software from Microsoft.

Publisher : Microsoft Corporation
Download link : <http://go.microsoft.com/fwlink/?linkid=42467>

2.1.2 Microsoft .NET Framework Version 2.0 Redistributable Package (x86)

The CLICK workstation should also have “Microsoft .Net Framework 2.0” installed before installing “CLICK Trade XT”. User may check the availability of the software by selecting the “Add or Remove Programs” in Control Panel.

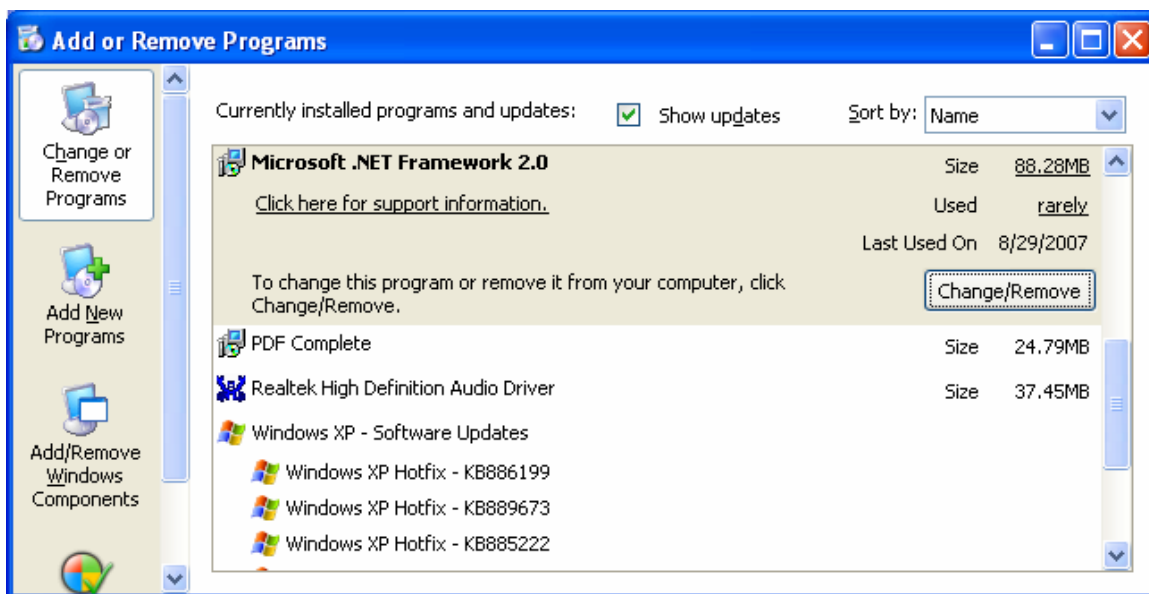


Figure 2 Software of “Microsoft .NET Framework 2.0”

If Microsoft .NET Framework 2.0 does not exist in your workstation, please refer to the following link for more information and download the software from Microsoft.

Publisher : Microsoft Corporation
Download link :

<http://www.microsoft.com/downloads/details.aspx?FamilyID=0856eacb-4362-4b0d-8edd-aab15c5e04f5&displaylang=en>

2.1.3 Operating Systems

The software requirements:

- The CLICK Trade XT application is designed for, and will only work on, Windows XP (English version) Service Pack 2 or later.
- The minimum size of paging file is 3 GB.
- The CLICK Trade XT application needs TCP/IP to be installed and working, which in turn assumes that the network card is installed and working.

2.1.4 Hardware

The minimum hardware requirement:

- 2.6 GHz Intel Pentium 4 HT Processor or above.
- 2 GB RAM, 10GB Hard drive disk space available.

2.1.5 Essential information for the Workstation

1	Computer name:	XXXWX1	XXXWX2	XXXWX3	XXXWX4	XXXWX5
2	IP address:	172.X.X.1	172.X.X.2	172.X.X.3	172.X.X.4	172.X.X.5
3	Workgroup name:	HKATS				
4	Subnet mask:	255.255.255.0				
5	Default gateway:	172.X.X.254				
6	Network gateway:	172.X.X.11/XXXGX1				
7	Port number:	12024,12025				
8	Central gateway:	172.16.128.151	FAGW21			
		172.16.128.152	FAGW23			
		172.16.64.151	FAGW22			
		172.16.64.152	FAGW24			
9	Port number:	12551,12552				

Table 1 IP addressing

Description:

1	Computer name:	XXXWX%	<ul style="list-style-type: none"> - The first 3 character represents the company code, for example, ABC. Usually, the first 3 characters are the same as your login ID. - The forth character represents this workstation is CLICK workstation. It is always “W”. - The fifth character represents the site name., for example, “A”. Some Exchange Participants have applied more than one network gateways. The first gateway in the same company is “A”. The second is “B” and so on. - The sixth character represents the number of CLICK workstation. The first workstation is “1”, the second is “2”and so on.
---	----------------	--------	--

2	IP address:	172.X.X.%	Exchange will provide the IP information to users. The last octet (the last number) of the IP address is corresponding to the last character (number) of the workstation name.
3	Workgroup name	HKATS	Default value.
4	Subnet mask:	255.255.255.0	Default value.
5	Default gateway:	172.X.X.254	Exchange will provide the IP information to users. The first 3 octet are the same as the IP of workstations.
6	Network gateway	XXXGX1 172.X.X.11	It is the name of network gateway user is required to input while user is logging in HKATS. The naming convention is similar to the workstation name, except the forth and sixth character. The forth character and sixth character are always "G" and "1" respectively. The first 3 octet are the same as the IP of workstations. The last octet is always "11"
7	Port number:	12024,12025	Default value. User could use 12024 or 12025.
8	Central gateway*		Default value.
9	Port number: *	12551,12552	Default value. User could use 12551 or 12552.

Table 2 Detailed information

* These machines are for contingency purpose.

2.1.6 OMnet Account

The Exchange creates account for user to login CLICK Trade. User needs the following information to login:

Username	e.g. TESTUSER1
Password	e.g. PASSWORD
Network Gateway	The node which runs the gateway to which the workstation is connected.
Port	The TCP/IP port number of the gateway process.

Table 3 OMnet User Account Information

2.1.7 Network Card

Note: Autosense and Auto Detect are not recommended.

Link speed of 100Mbps with full duplex is required.

2.2 CLICK Trade XT 1.9.1.13 Installation

2.2.1 Installation Procedure

1. Login as **Administrator.**
2. Double click "**Install_CLICK_Trade_19113.cmd**" from CD ROM.

The following screen will appear.

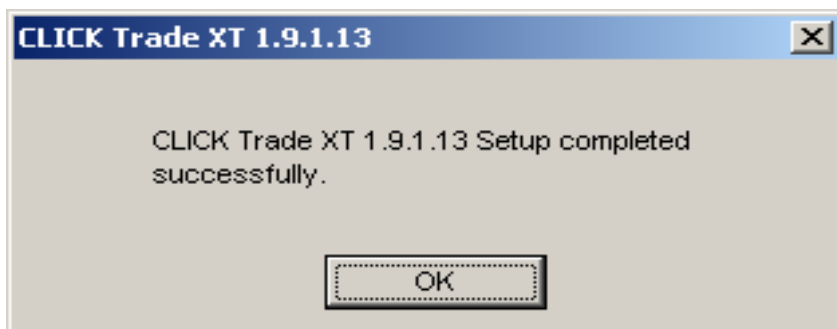


Figure 3 CLICK Trade XT 1.9.1.13 Setup Completed Window

3. Press "OK" to continue.

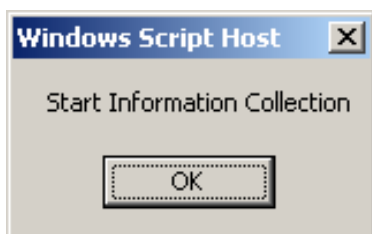


Figure 4 CLICK Trade XT 1.9.1.13 Start Information Collection Window

4. Press "OK" to continue.

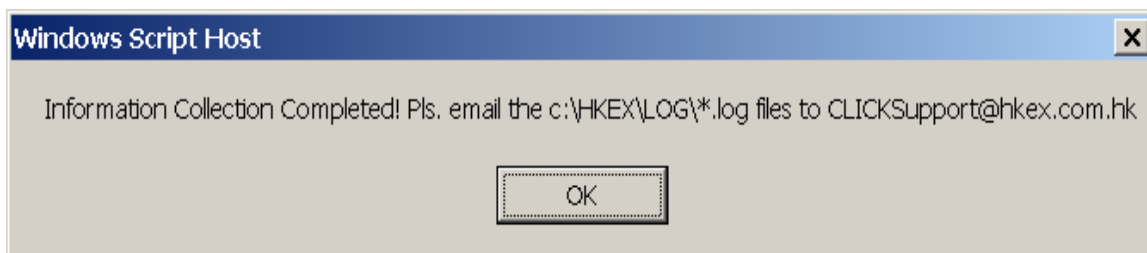


Figure 5 Click Trade XT 1.9.1.13 Information Collection Completed Window

5. Press “OK” to complete.

2.2.2 Information checking after successful CLICK Trade XT installation

The details for CLICK Trade XT and relevant information are listed in the following table.

CLICK Trade XT 1.9.1.13 files	Path
Application Programs	C:\HKEX\OMX19.1\CLICK Trade XT 1.9.1.13\
Short-cut file:	\Documents and Settings\All Users\Start Menu\Programs\OMX19.1\ "CLICK Trade XT 1.9.1.13"
Installation log and Workstation log	C:\HKEX\LOG\ "CLICK_XT_1_9_1_13_INSTALLATION_%COMPUTERNAME%.LOG" " CLICK_XT_PC_INFO_%COMPUTERNAME%.LOG"
Installation script	C:\HKEX\CLICK XT 1.9.1.13 SCRIPT\

Table 4 CLICK Trade XT Installation Information Table

After the installation, there should be two files generated. The following messages should be found in the log files as shown below. This means the CLICK Trade XT installation has been completed successfully. If not, please call HKATS hotline for assistance.

```
Property(S): SourcedirProduct = {28843281-F850-40EB-8C2A-0D6800FDBA5A}
Property(S): ProductToBeRegistered = 1
MSI (s) (F4:A0) [03:33:01:546]: Product: CLICK Trade XT 1.9.1.13-- Installation completed successfully.

=== Logging stopped: 8/31/2007 3:33:01 ===
```

Figure 6 Example of
CLICK_XT_1_9_1_13_INSTALLATION_%COMPUTERNAME%.LOG

```
Directory of C:\HKEX\OMX19.1\CLICK Trade XT 1.9.1.13

18/07/2008 16:51 <DIR> .
18/07/2008 16:51 <DIR> ..
13/06/2008 14:34      81,920 AxChartfxLib.dll
13/06/2008 14:34     118,784 ChartfxLib.dll
13/06/2008 14:46    4,550,656 CLICKWrap.dll
13/06/2008 14:48    1,671,168 CMktIFace191_0100.dll
13/06/2008 14:48    1,249,280 CMktIFaceServer.dll
13/06/2008 14:34    1,038,848 dbghelp.dll
23/09/2005 00:12     374,272 dte80a.olb
23/09/2005 06:56     245,760 EnvDTE.dll
13/06/2008 14:49    1,386,857 help.chm
13/06/2008 14:50     20,480 InstallerLibrary.dll
18/07/2008 16:51      2,012 InstallerLibrary.InstallState
13/06/2008 14:33     839,680 LIBEAY32.dll
13/06/2008 14:46     32,768 OM.Calc.dll
```

Installation completed successfully should be found in the c:\HKEX\LOG\CLICK_XT_1_9_1_13_INSTALLATION_%COMPUTERNAME%.LOG

13/06/2008	14:50	5,091,328	OM.CLICKTrade.exe
13/06/2008	14:34	173	OM.CLICKTrade.exe.config
13/06/2008	14:34	642	OM.CLICKTrade.exe.manifest
13/06/2008	14:50	544,768	OM.Components.dll
13/06/2008	14:37	151,552	OM.Definitions.dll
13/06/2008	14:50	159,744	OM.Forms.dll
13/06/2008	14:38	638,976	OM.Grid.dll
13/06/2008	14:38	49,152	OM.Interfaces.dll
13/06/2008	14:37	45,056	OM.Utilities.dll
13/06/2008	14:46	1,249,280	OmniApi85.dll
13/06/2008	14:34	32,768	SfxBar.dll
13/06/2008	14:33	159,744	SSLEAY32.dll
13/06/2008	14:32	114,688	Syncfusion.Core.dll
13/06/2008	14:32	16,384	Syncfusion.Grid.Base.dll
13/06/2008	14:32	1,536,000	Syncfusion.Grid.Windows.dll
13/06/2008	14:32	1,249,280	Syncfusion.Shared.Base.dll
13/06/2008	14:32	36,864	Syncfusion.Shared.Windows.dll
13/06/2008	14:32	16,384	Syncfusion.Tools.Base.dll
13/06/2008	14:32	2,543,616	Syncfusion.Tools.Windows.dll
		32 File(s)	25,248,884 bytes

Figure 7 Example of
CLICK_XT_PC_INFO_%COMPUTERNAME%.LOG

The "32 File(s)" should be found under the directory of c:\hkex\omx19.1\CLICK Trade XT 1.9.1.13

2.3 Collection of installation log files

Please send the following log files to HKEx by email after installation of CLICK Trade XT application. (Email address: CLICKSupport@hkex.com.hk)

- a) CLICK_XT_1_9_1_13_INSTALLATION_%COMPUTERNAME%.LOG
- b) CLICK_XT_PC_INFO_%COMPUTERNAME%.LOG

3 Verification

This section guides users to conduct the login test after CLICK Trade XT installation.

3.1 Prerequisite

- Your workstation must be set up at the central marketplace as a valid OMnet node. If not, contact your system administrator.
- You must be set up as a user with login name and password. If not, contact your system administrator.
- The application must be configured to connect to a valid OMnet gateway and socket.
- We assume that you are familiar with a computer and have been working with Windows XP before.

3.2 Start the CLICK Trade Application

1. Start the application from the start menu.

Select **Start → Program → OMX19.1 → CLICK Trade XT 1.9.1.13**

Or follow the path:

"C:\HKEX\OMX19.1\CLICK Trade XT 1.9.1.13\OM.CLICKTrade.exe"

A login window will be displayed.

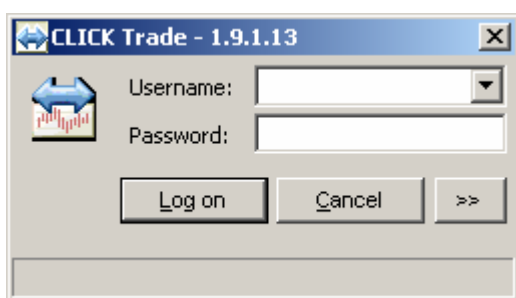


Figure 12 CLICK Trade XT 1.9.1.13 Login Window

2. Continue by clicking the double arrow button.

The following window will be displayed:

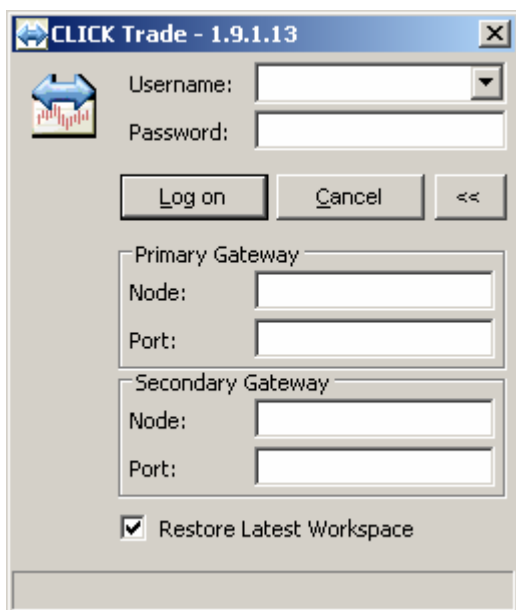


Figure 13 Expanded Login Window

Enter your username and password in the login window.

The check box **Restore Latest Workspace** is automatically checked, which means that your windows will be displayed at the same location as when you last saved your configuration.

The arrow button at the bottom displays additional fields which contain technical information necessary for the communication between the PC and the marketplace. The Primary Gateway is the primary node and machine. If the application fails to login to the primary gateway, it will automatically try to login to the secondary gateway.

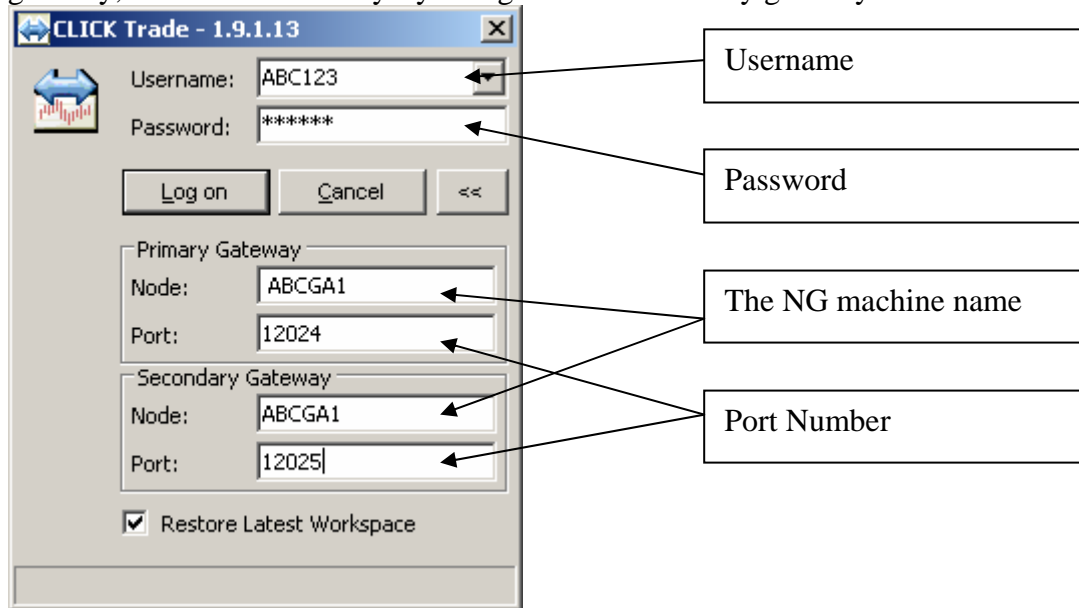


Figure 14 Login Window with sample parameters

3. Click “Log on”.

Continue by clicking Log on button and complete the Checklist for CLICK Trade XT 1.9.1.13 login test form (Section 4).

3.3 Exit the CLICK Trade XT Application

1. Select the Exit alternative on the File menu.
2. Answer OK or Cancel in the dialog box that appears.

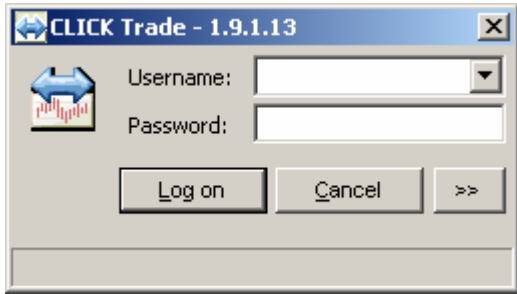
Note: Your orders will remain in the central orderbook if you exit the application by using the Exit function. It is not recommended to simply switch off the CLICK Trade application. If you have not inactivated the orders before exiting, the orders will be inactivated after about 12 minutes. If you login to the CLICK Trade application after the orders have been automatically inactivated, you will have to activate the orders again.

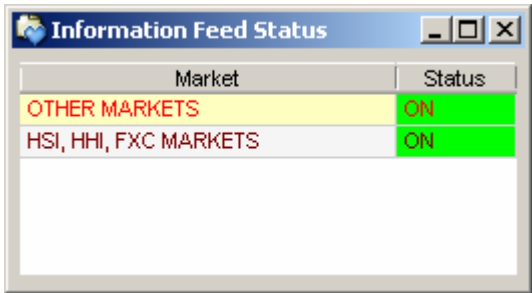
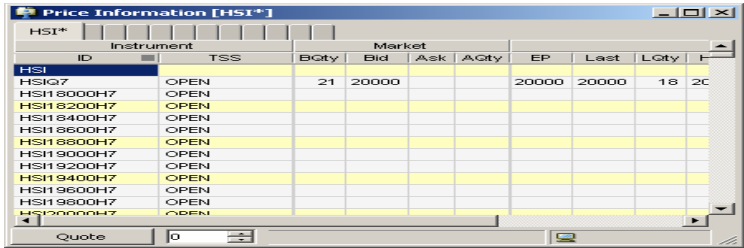
4 Checklist for CLICK Trade XT 1.9.1.13 login test

*Login test can be conducted ONLY on designated date confirmed by HKEx as advised individually

Participant Code: _____	Date: _____
Participant Name: _____	Site(A to Z): _____

Please ✓ the following task if completed successfully. For any unsuccessful task, please call HKATS hotline for assistance.

Item	CLICK Workstation				
	W1	W2	W3	W4	W5
1) Did the CLICK Trade XT installation complete successfully?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Could you ping the network gateway? <ul style="list-style-type: none"> • Go to DOS prompt • Ping “your network gateway machine name” • The expected result is as follows, <i>Reply from 172.16.xxx.11: bytes=32 time<1ms TTL=128</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Is the workgroup name “HKATS”?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Are the Message and Workstation services started?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Login CLICK Trade XT 1.9.1.13 as follows <ul style="list-style-type: none"> • Click the Start button. • Point to All Programs • Point to OMX19.1 • Select CLICK Trade XT 1.9.1.13 Or double click the short-cut “ CLICK Trade XT 1.9.1.13 ” from desktop Is the CLICK version shown as CLICK Trade – 1.9.1.13 on Title Bar? 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Type Username and Password to attempt logging in Can you login successfully? If no, please call HKATS Hotline.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Item	CLICK Workstation				
	W1	W2	W3	W4	W5
<p>7) Click Market and then choose Feed Status. Is the Information Feed Status shown as ON?</p> 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>8) Click Market, and then open Price Information Window. Type HSI* in the id box. Is there any price displayed?</p> 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>9) Comment:</p>					

Participant Staff Signature	Participant Staff Name

Please fill in the appropriate boxes and return the completed form to the Exchange at 2509-0724, 2878-7548, 2815-7616 or 2877-0017 via facsimile.

5 Troubleshooting

5.1 .NET Framework prerequisite problem during the installation

If the CLICK workstation does not have .NET Framework, the following window will be displayed during the installation of CLICK Trade XT application.

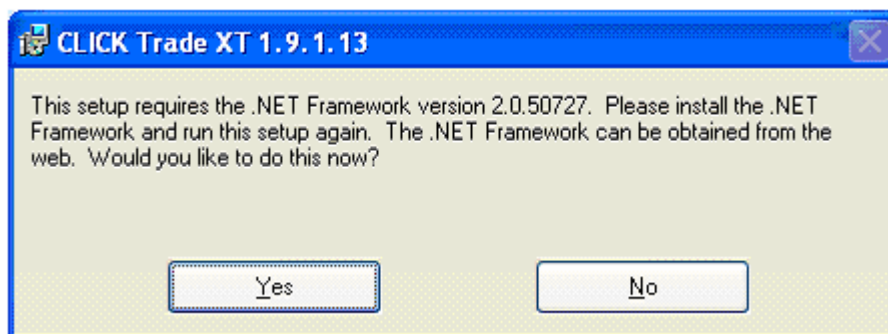


Figure 15 Installation error message for “.NET Framework”

Press “No” button and the following message will be displayed.

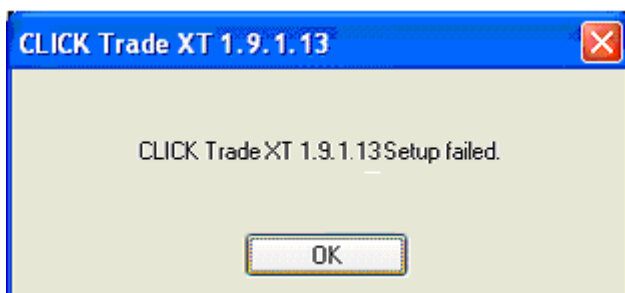


Figure 16 Installation Failed Message

Solution: Download the “.Net framework 2.0” from Microsoft website and then install it <http://www.microsoft.com/downloads/details.aspx?familyid=0856eacb-4362-4b0d-8edd-aab15c5e04f5&displaylang=en>

5.1.1 Installation Instructions for “.NET Framework“

1. Click the **Download** button on the Microsoft webpage to start the download.
2. Please choose the “Save” button.

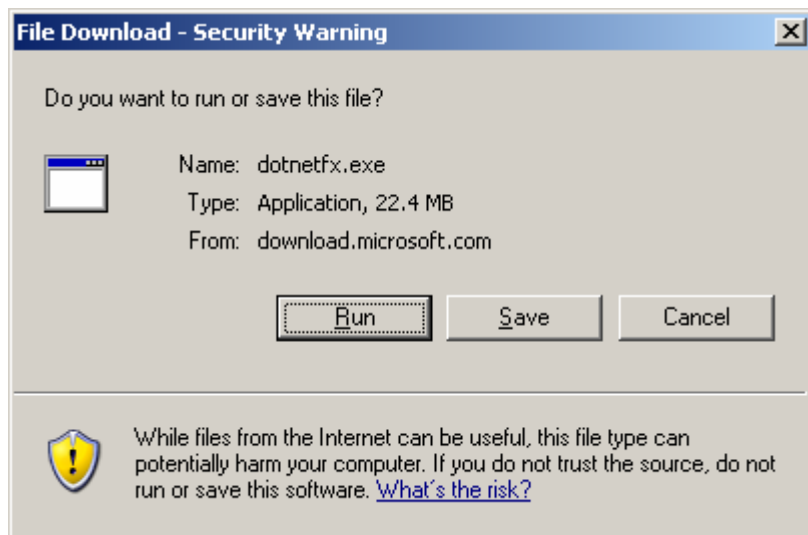


Figure 17 “.NET Framework 2.0 file download” Window

3. Install the software in the CLICK workstation by executing the saved file

.Net Framework System Requirements

•Required Software:

- [Windows Installer 3.0](#) or later is recommended.
- [IE 5.01 or later](#): You must also be running Microsoft Internet Explorer 5.01 or later for all installations of the .NET Framework.

5.2 Internet connection problem

Please note that the CLICK workstation should be connecting to the closed network which cannot access the public internet. When the following message pops up, please use another PC that can access the Microsoft website for downloading “Windows Installer” and “.NET framework”.

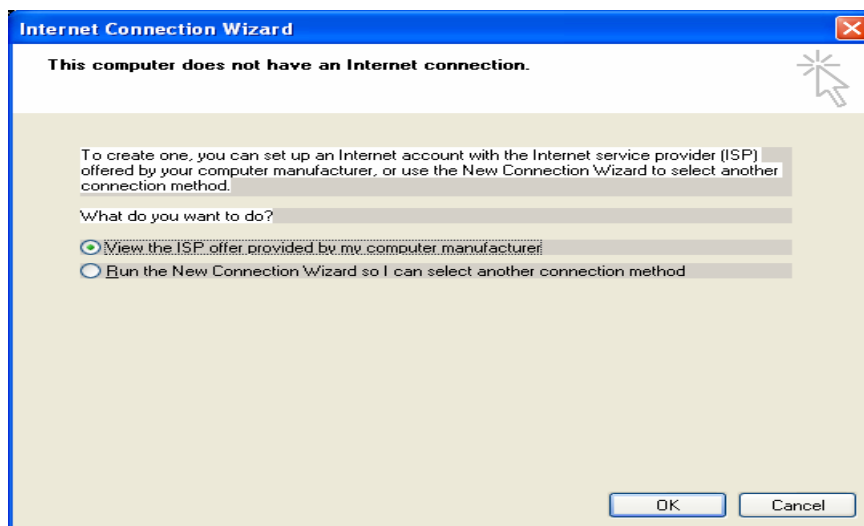


Figure 18 Internet Connection Issue Message Window

For other issues, please check the "Troubleshoot network and Internet connection problems" from the following link of Microsoft website.

<http://windowshelp.microsoft.com/Windows/en-US/Help/33307acf-0698-41ba-b014-ea0a2eb8d0a81033.mspx>

5.3 Security Warning problem

When the following warning message prompts during the installation, please press “Run” to continue.



Figure 19 Security Warning Message Window

5.4 Insufficient privileges to install software

If the Microsoft Windows account is not authorized to install software, the following window will be displayed during installation. Please press “OK” to quit the installation, login as **Administrator** and retry the installation.



Figure 20 CLICK Trade XT Insufficient Privileges Message

6 Network Configuration

This section instructs users how to configure the network card interface.

6.1 Workgroup and Computer Name

1. Use the cursor to point to My Computer icon from desktop, and then right click, select Properties. The following window will be displayed.

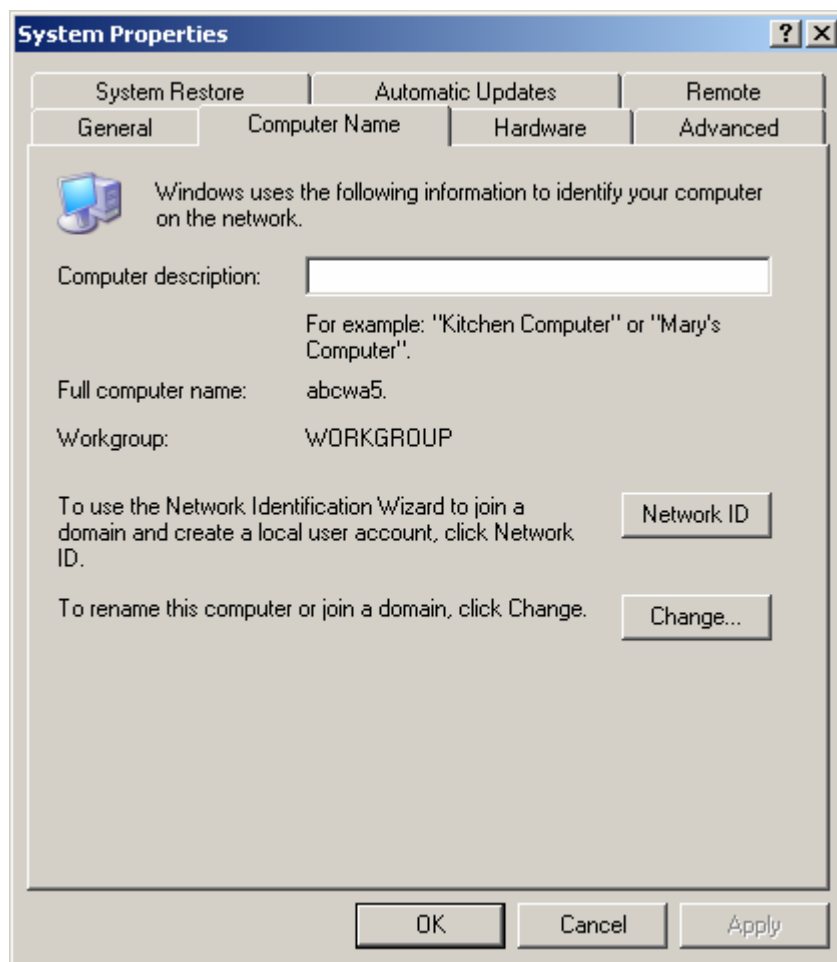


Figure 21 System Properties Window

2. Continue by clicking Computer Name tab and the Change button. The following window will be displayed.

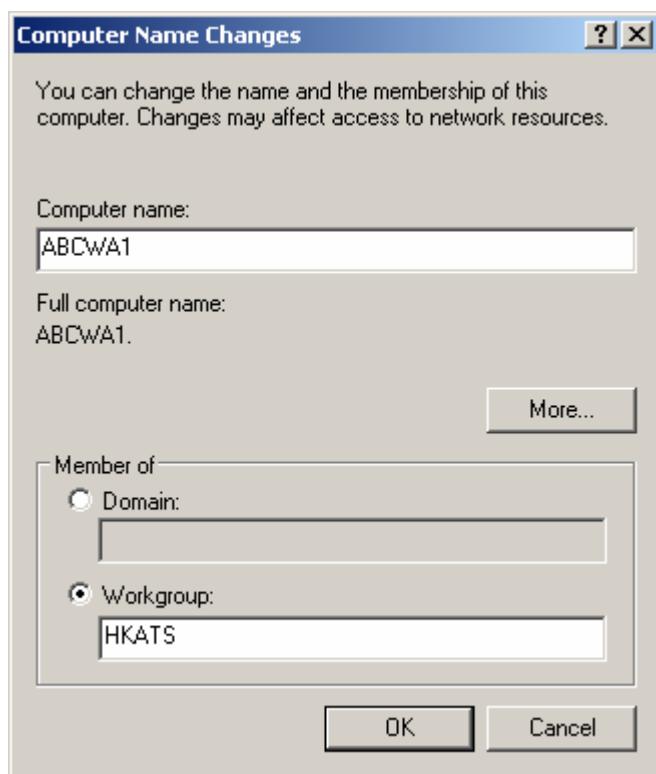


Figure 22 Computer Name Changes Window

Note: Input Computer Name and Workgroup, please refer to table 1 of section 2.1.5.

3. Click “OK” then reboot the workstation.

6.2 Network Card Settings

1. Start Control Panel from Start Menu, then click Network Connections.
2. Select Local Area Connection, the following window will be displayed.

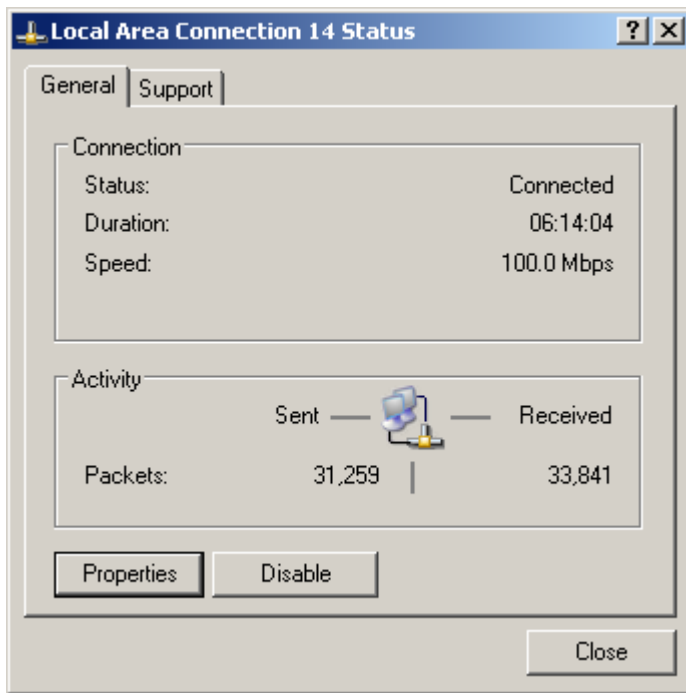


Figure 23 Local Area Connection Status Window

3. Continue by clicking Properties, the following window will be displayed.

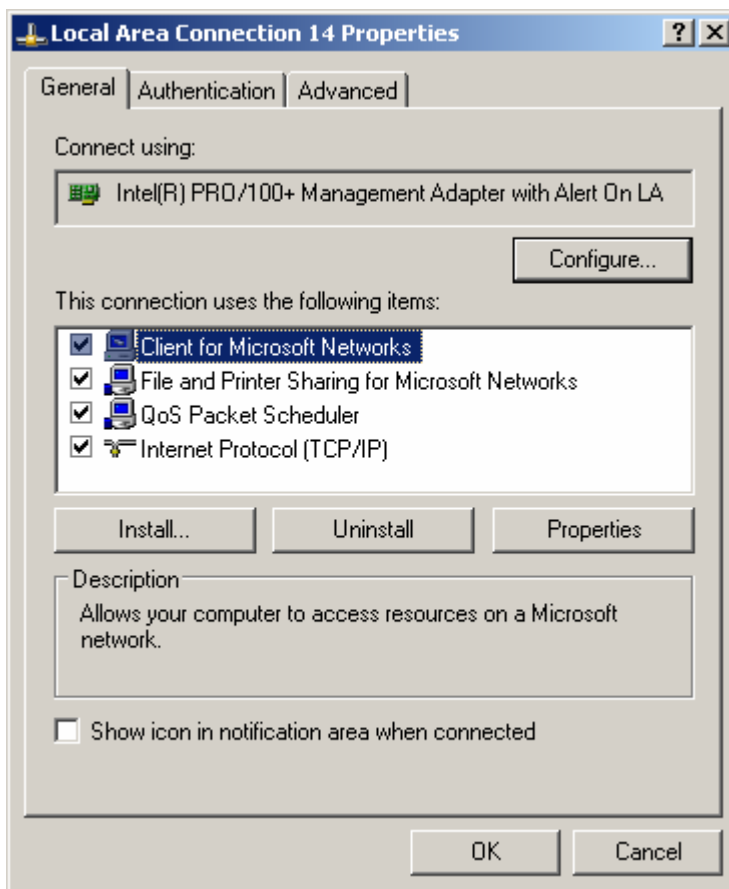


Figure 24 Local Area Connection Properties Window

4. Continue by clicking Configure, the following window will be displayed.

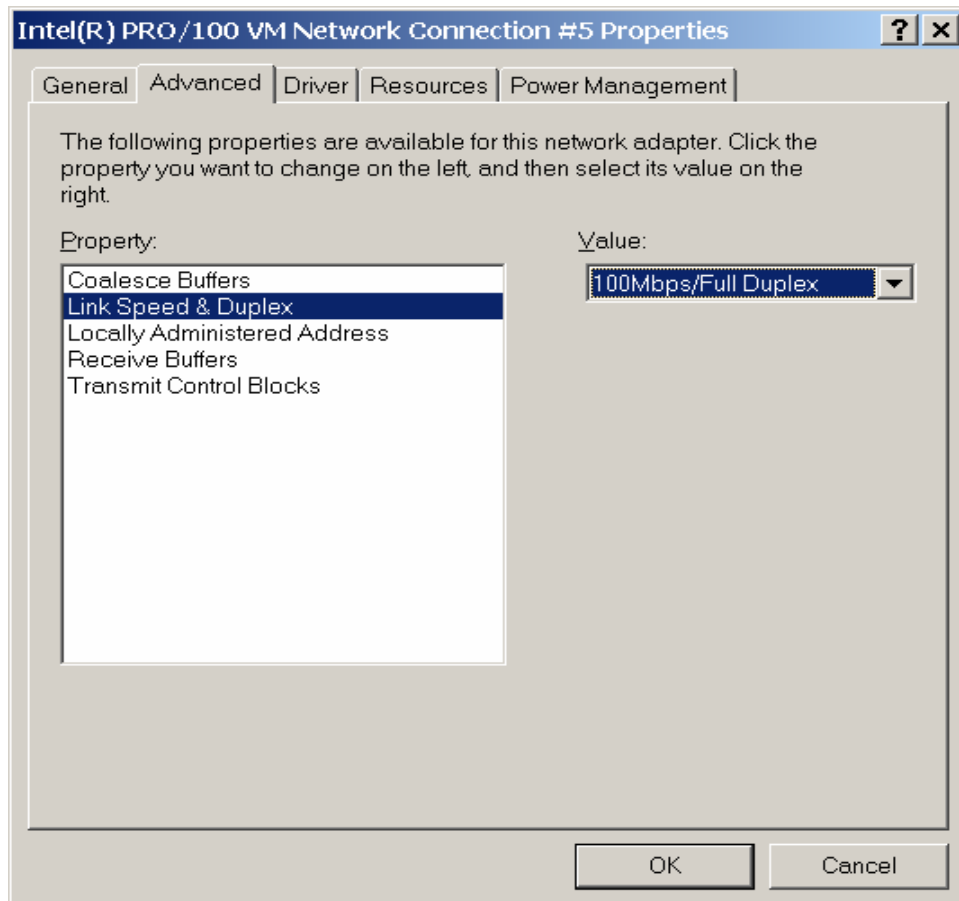


Figure 25 Local Network Card Setting Window

5. Select Advanced tab and Link Speed and Duplex from property, choose 100Mbps/Full Duplex.
6. Click "OK" then go to Local Area Connection Properties Windows, the following window will be displayed.

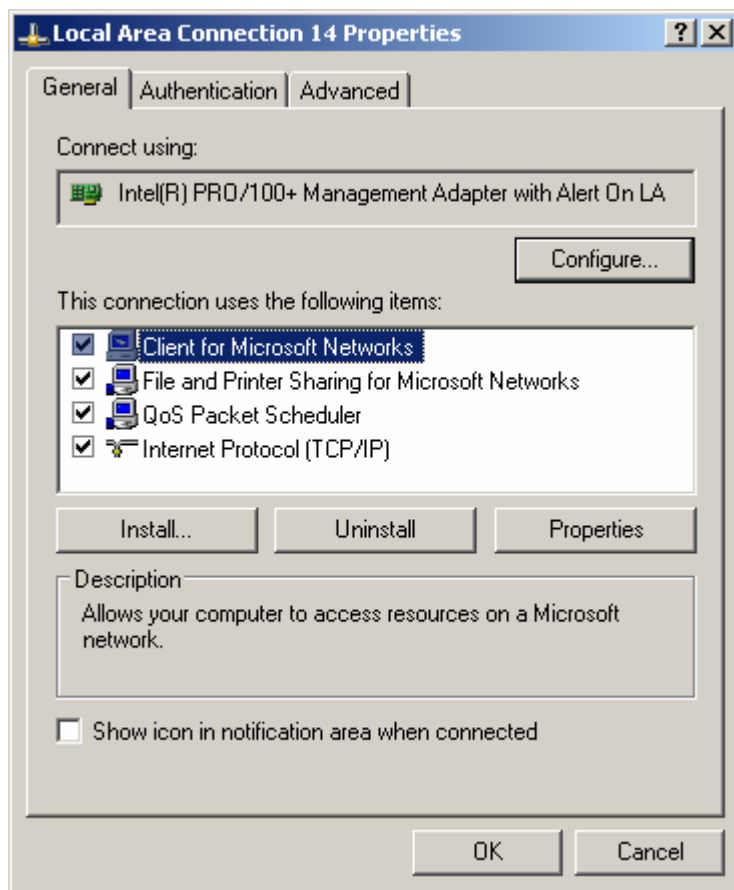


Figure 26 Local Area Connection Properties Window

7. Double click "Internal Protocol (TCP/IP)", the following window will be displayed.

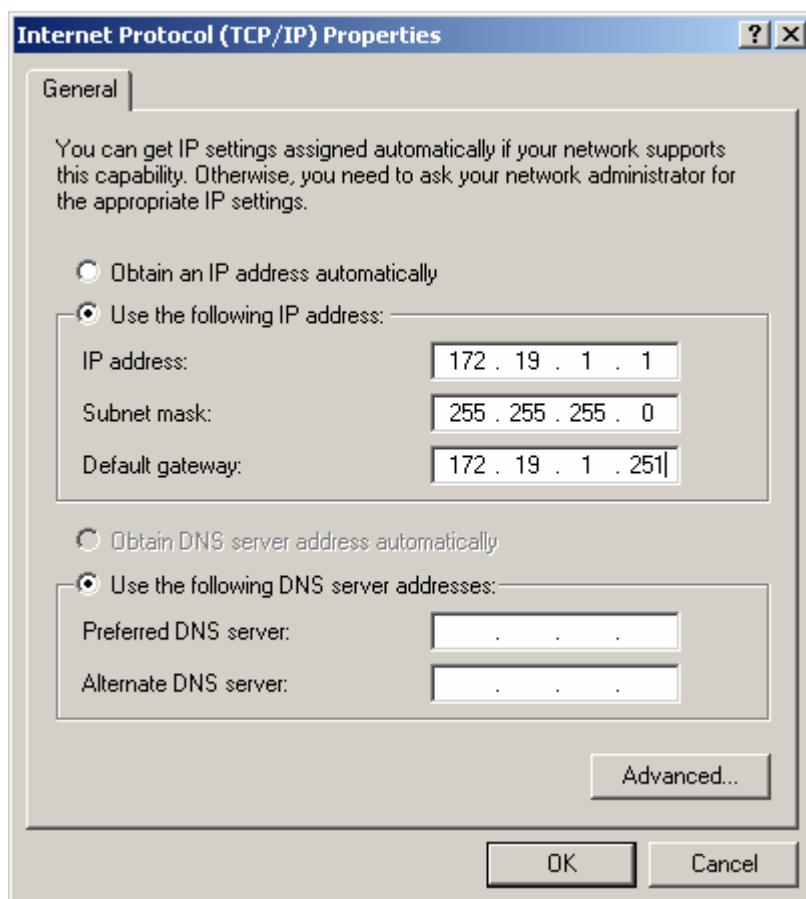


Figure 27 Internet Protocol (TCP/IP) Properties Window

Note: Input IP address, Subnet Mask and Default Gateway, please refer to table 1 of section 2.1.5.

8. Click “OK”, then reboot the workstation.

6.3 Windows Time Services

1. Start Run from Start Menu, then type “CMD”.
2. Type “W32TM/register” in the Command window.
3. Type “NET START W32TIME”.
4. Insert the CD, which files are provided by HKEx, into your CLICK workstation.

5. Go to DOS prompt.

Click “Start”-> “Prompt”-> “Command Prompt”

6. Change to drive and folder and run the command.

C:\> D: < If not D:, change the CD driver letter
D:\>cd d: < change the folder
D:\ W32TIME.REG < Change the interval

7. Start Run from Start Menu, then type “timedate.cpl”. The following window will be displayed.

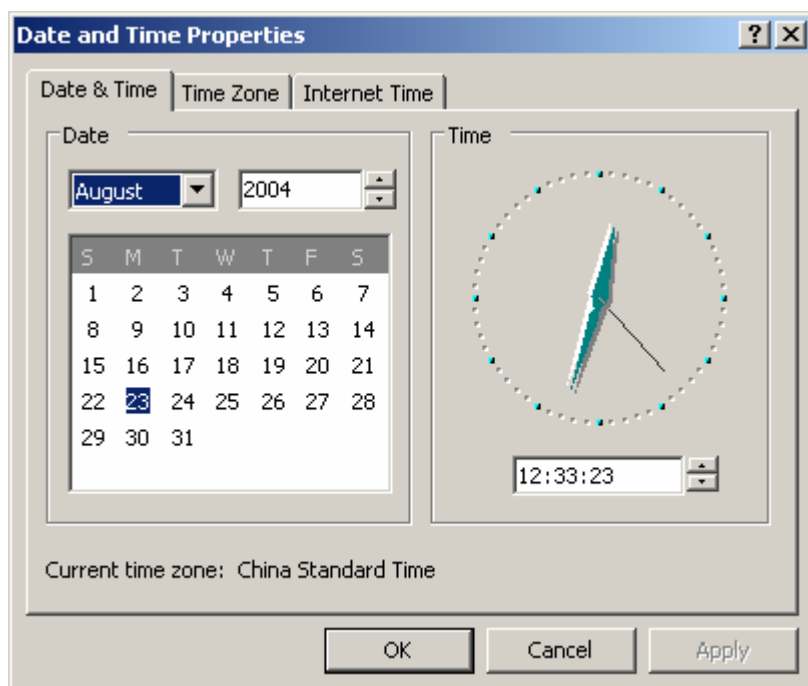


Figure 28 Select Time Zone tab, the following window will be displayed.

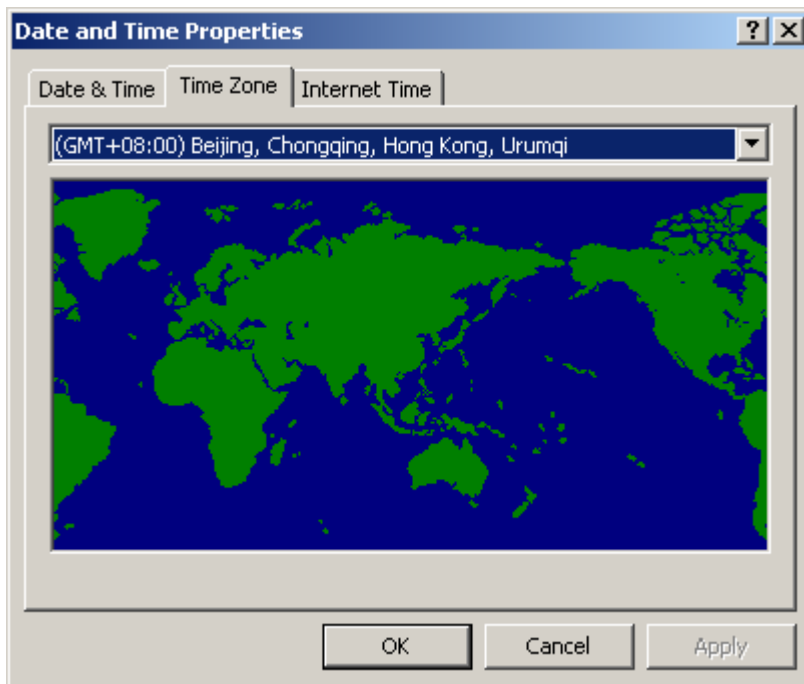


Figure 29 Time Zone Window

8. Select Hong Kong Time Zone.
9. Select Internet Time tab. The following window will be displayed.

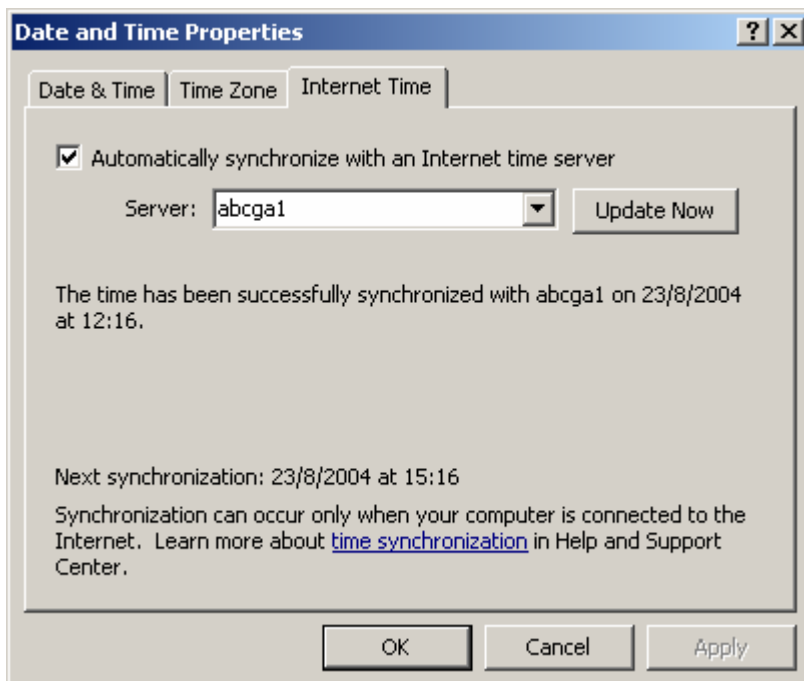


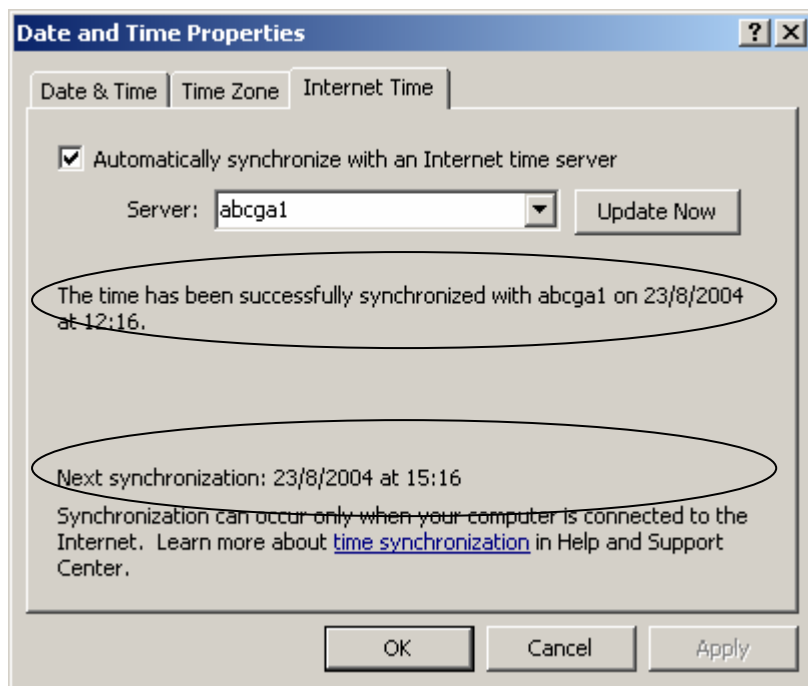
Figure 30 Internet Time Window

10. Check the box of Automatically synchronize with an Internet time server.

11. Type the NG Host Name or IP address in Server box, then click "Update Now" button.

Note: Input IP address or Host Name of NG, please refer to table 1 of section 2.1.5.

12. If success, the following window will be displayed.



The time services will synchronize every 3 hours.

Figure 31 Internet Time Window

13. Click "OK".

6.4 Services and Settings

6.4.1 Introduction

The CLICK Trade application is tested under SDNET with no firewall device placed between network gateway and CLICK workstations, Windows Firewall at CLICK workstation is turned off. The following steps show you how to enable or disable the services which are necessary for CLICK applications.

6.4.2 Prerequisite

1. The workstation group must be “HKATS” – refer to Table 1 of section 2.1.5
2. Enable the NETBIOS over TCPIP.
3. Advanced TCP/IP Settings.
4. Disabled the Application Layer Gateway Service and Windows Firewall/Internet Connection Sharing (ICS).
5. Enable the Messenger and Workstation services.

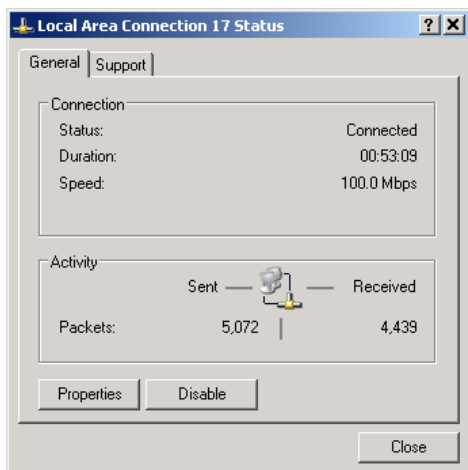
6.4.3 Limitation

The CLICK Trade XT system does not support the CLICK workstations which are placed behind the firewall machines and Windows Firewall in CLICK workstations must be turned off.

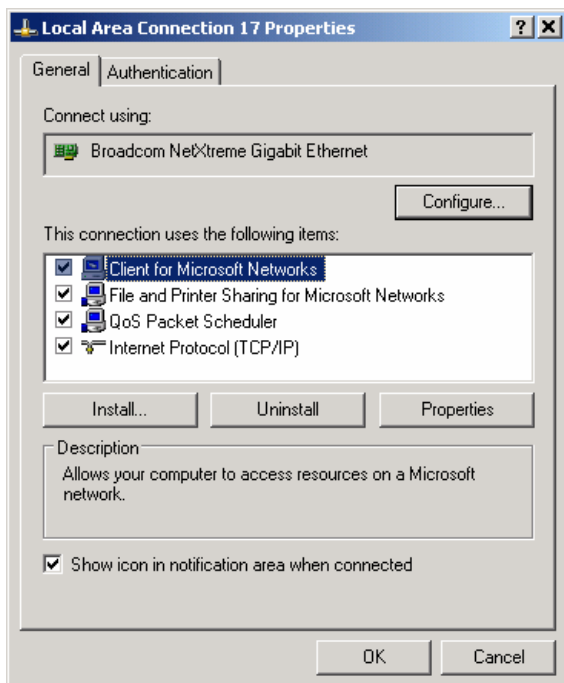
6.4.4 Enable the NETBIOS over TCP/IP

1. Login Administrator or equivalent.
2. Open the Control Panel → Network connections → Local Area Connections

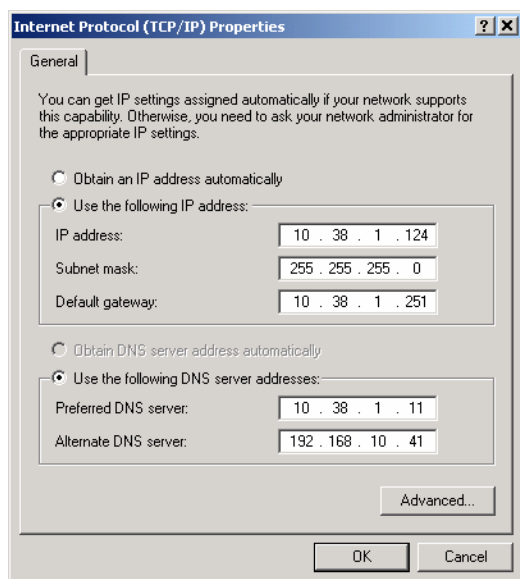
The following window will be displayed.



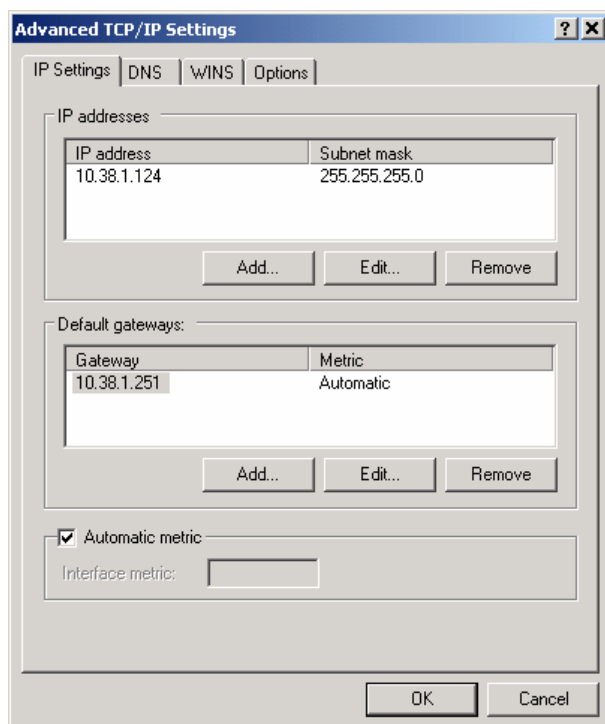
3. Click “Properties” button and open the following window.



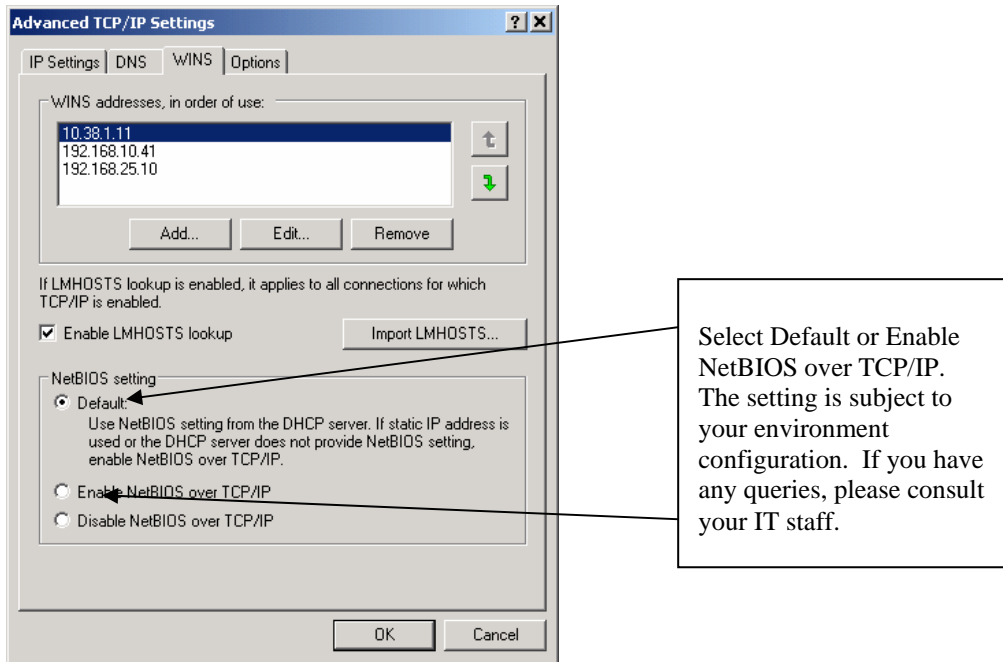
4. Double click “Internet Protocol (TCP/IP)” and open the following window.



5. Click “Advanced” button and open the following window.

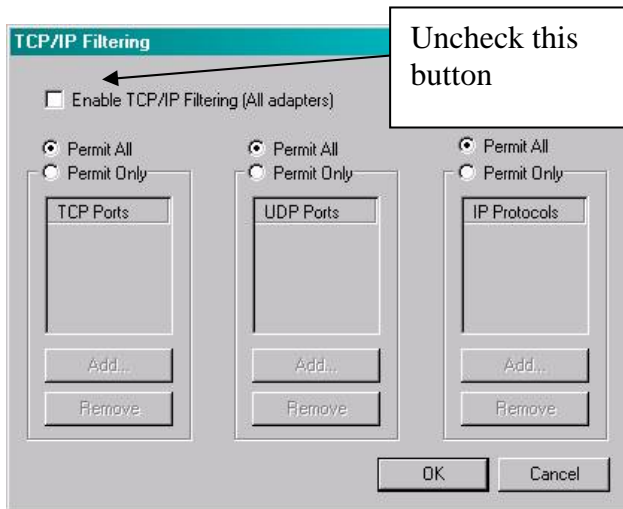


6. Click the “WINS” tag and open the following window.



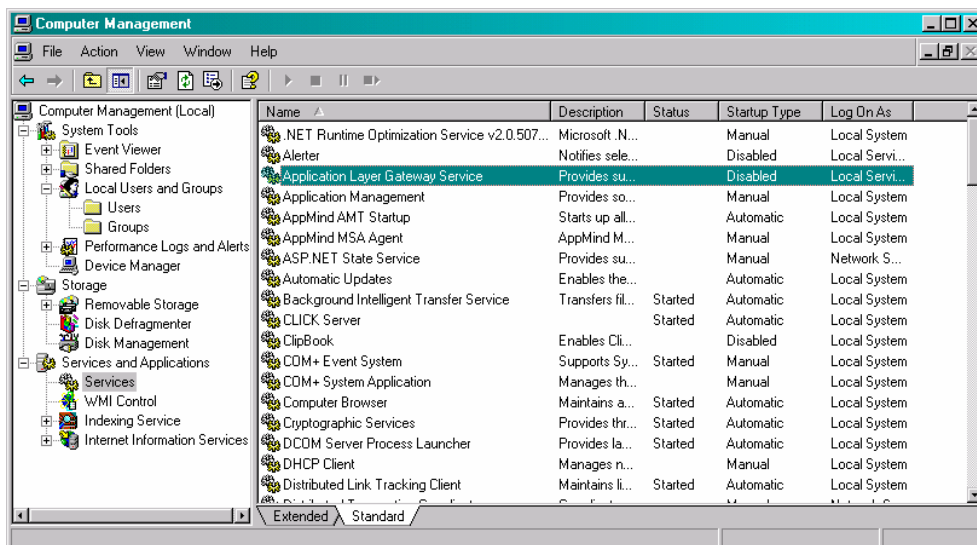
6.4.5 Advanced TCP/IP Settings

1. Login Administrator or equivalent.
2. Control Panel → Network Connection → Local Area Connection → Properties → Internet Protocol (TCP/IP) → Advanced → Options → TCP/IP Filtering.

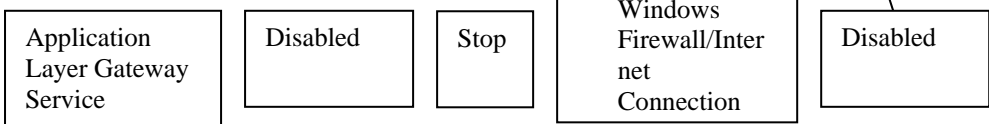
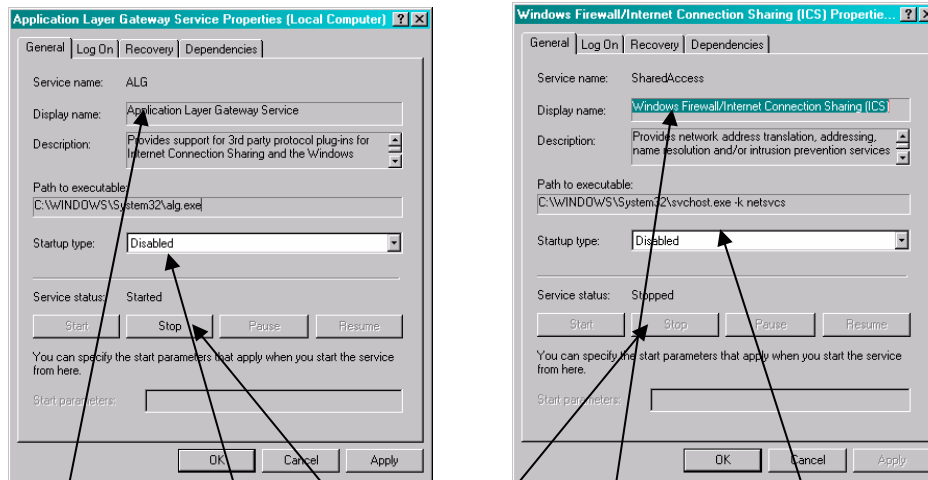


6.4.6 Disable the Application Layer Gateway Service and Windows Firewall/Internet Connection Sharing (ICS)

1. Login Administrator or equivalent.
2. Open the Services window: Control Panel → Administrative Tools → Services
3. Select the services which you want to disable. (i.e. Application Layer Gateway Service and Windows Firewall/ Internet Connection Sharing (ICS))

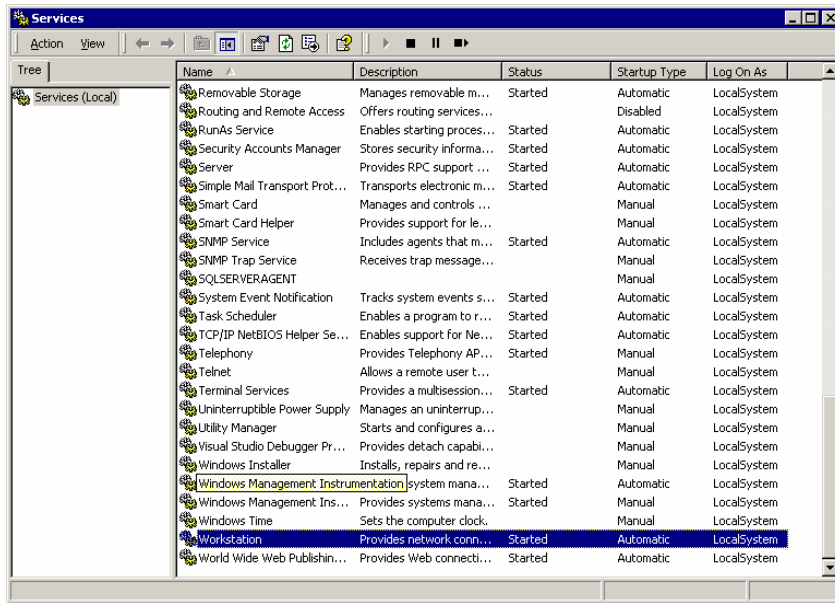


4. Select “Disabled” in Startup type and stop the service.

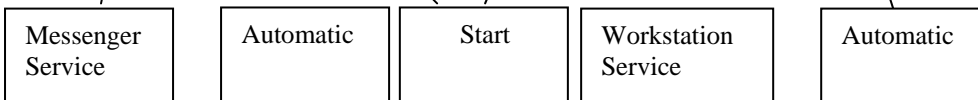
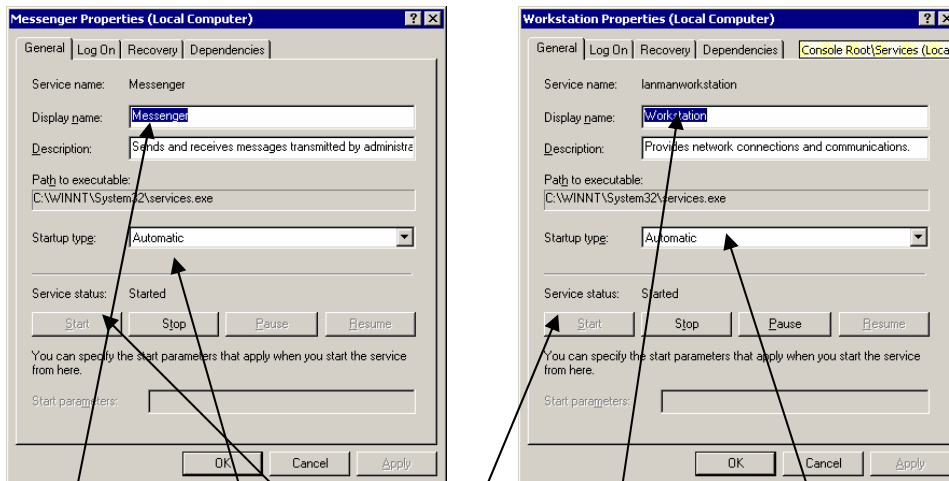


6.4.7 Enable the Messenger and Workstation services

1. Login Administrator or equivalent.
2. Open the Service window: Control Panel → Administrative Tools → Services
3. Select the services which you want to enable.



4. Select “Automatic” in Startup type and start the service.



5. Restart the CLICK Workstation