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## 1. Introduction

This document will guide the StepUp user to establish direct crossover connection in Source and Destination PCs and also explains the user to set basic network settings in both the PCs. StepUp is designed to migrate data, settings and applications from source PC to the destination PC. Before migrating your data you need to establish network connection, set static IP address and have to connect Source and Destination PCs. This document helps you in setting all the necessary things to migrate data from source PC to the destination PC.

#### 2. Configuring Source PC (Windows 95/98/ME)

### a. Set Network Connection

# Open the Network Panel (Start > Settings > Control Panel > Network) or (My Computer /Control Panel/Network)

#### On the Configuration Tab of the Network panel

Examine your network components. You may already have some of these network components installed. You need to have:

letwork
Configuration   Identification   Access Control
The following network components are installed:
<ul> <li>Client for Microsoft Networks</li> <li>Dial-Up Adapter</li> <li>NetBEUI</li> <li>TCP/IP</li> <li>File and printer sharing for Microsoft Networks</li> </ul>
Add Remove Properties
Primary Network Logon:
Client for Microsoft Networks
<u>File and Print Sharing</u>

- ✓ Client for Microsoft Networks
- ✓ TCP/IP
- ✓ NetBEUI
  - $\checkmark$  File and Printer Sharing for Microsoft Networks.

### b.Add Protocols and Services

- To add Client for Microsoft Networks. Click on Add Button, highlight and select Client, double click on Client or Click Add button
- In the Select Network Client panel:
- Highlight/Select Microsoft Highlight/Select Client for Microsoft Networks Click OK\*
- If the **TCP/IP** protocol is not already installed, do steps P1 P4 below:
  - P1 Click Add on the Configuration Tab of the Network panel.
  - P2 Highlight/Select Protocol in the Select Network Component Type panel Click Add.
  - P3 Highlight/Select **Microsoft -** the protocols will show up on the right.



P4 - Highlight/Select **TCP/IP** - Click **OK**. •

Network	
Configuration   Identification   Access Control	
The following network components are installed:	
<ul> <li>Client for Microsoft Networks</li> <li>Dial-Up Adapter</li> <li>Realtek RTL8029(AS) PCI Ethernet NIC</li> <li>TCP/IP -&gt; Dial-Up Adapter</li> <li>TCP/IP -&gt; Realtek RTL8029(AS) PCI Ethernet NIC</li> </ul>	
Add Remove Properties	
Select Network Component Type	
Click the type of network component you want to install:	
Elient <u>Add</u>	
Protocol Cancel	
Select Network Protocol	
Click the Network Protocol that you want to install, then click OK. If you ha an installation disk for this device, click Have Disk.	ive
Manufacturers: Network Protocols:	
Ganyan GIPX/SPX-compatible Protocol	•
FIBM     Final Microsoft 32-bit DLC     DEMicrosoft DLC	
Novel NetBEU	
TCP/IP	-

- Repeat Steps **P1** thru **P4** above for the **NetBEUI** protocol Click on the **File and Print Sharing** button.
- .
- Select both: I want to give others access to my files and I want to be able to allow others to print to my printer(s). •



Network ?>
Configuration   Identification   Access Control
I he following network components are installed:
Elient for Microsoft Networks
B Dial-Up Adapter
Bealtek RTL8029(AS) PCI Ethernet NIC
TUP/IP -> Realtek RTL8029(AS) PUI Ethemet NIC
Add Bemove Properties
Goo Libbettes
Primary Network Logon:
Client for Microsoft Networks
<u>File and Print Sharing</u>
File and Print Sharing 🙀 🛛 📪 🔀
<ul> <li>I want to be able to give others access to my files.</li> <li>I want to be able to allow others to grint to my printer(s).</li> </ul>

• Click **OK**.

### c. Set Static IP address

You need to set the static IP address in both source and Destination PCs.

Open the Network Panel (Start/Settings/Control Panel/Network) or (My Computer /Control Panel/Network)

• In the Configuration tab, select TCP/IP Click Properties.



Network ? 🗙
Configuration   Identification   Access Control
The following <u>n</u> etwork components are installed:
🔜 Client for Microsoft Networks
🗒 Dial-Up Adapter
Realtek RTL8029(AS) PCI Ethernet NIC
🍹 TCP/IP -> Dial-Up Adapter
TCP/IP -> Realtek RTL8029(AS) PCI Ethernet NIC
Add Remove Properties
Primary Network Logon:
Client for Microsoft Networks
Eile and Print Sharing

- Click **Ok** in **TCP/IP Information** Screen.
- Select Specific an IP Address.
- In **IP address** type 192.168.1.10, the IP addresses must be different in both the PCs.
- In Subnet Mask type 255.255.255.0

Source PC	Destination PC
<b>IP Address:</b> 192. 168.1. 10	<b>IP Address:</b> 192. 168. 1. 40
Subnet Mask: 255.255.255.0	Subnet Mask: 255.255.255.0

TCP/IP Properties		? ×
Bindings DNS Configuration Ga	Advanced ateway WINS Confi	NetBIOS   guration IP Address
An IP address can be If your network does n your network administr the space below.	automatically assigne ot automatically assign ator for an address, an ress automatically	d to this computer. n IP addresses, ask nd then type it in
- 💽 <u>S</u> pecify an IP ad	dress:	
IP Address:	192.168. 1	. 10
S <u>u</u> bnet Mask:	255.255.255	. 0

Click Ok

\*Note: Client for Microsoft Networks must be selected in Primary Network Logon.



## 3. Configuring Destination PC (Windows XP)

## a. Set Network Connection

- Click on Start > Settings >Control Panel >Select Network Connections
- Right click on Local Area Connection, select Properties.

#### LAN or High-Speed Internet



- Make sure all protocols and services are installed / checked, you should see:
  - > Client for Microsoft Networks (shows a grayed-out checkbox, this is normal)
  - Internet Protocol (TCP/IP)
  - > File and Printer Sharing for Microsoft Networks
  - > QoS Packet Scheduler (shows a grayed-out checkbox, this is normal)

#### b. Set Static IP address

•

In Networking tab, select Internet Protocol (TCP/IP) and then click properties.

Local Area Connection Properti	es ?
General Authentication Advanced	
Connect using:	
🕮 Realtek RTL8139 Family PCI Fast	Ethernet NIC
	Configure
This connection uses the following items	
<ul> <li>Client for Microsoft Networks</li> <li>File and Printer Sharing for Microsoft</li> <li>QoS Packet Scheduler</li> </ul>	osoft Networks
Internet Protocol (TCP/IP)	
Install Uninstall	Properties



- Select Use the following IP address
- In IP address type **192.168.1.40**
- In Subnet Mask type **255.255.255.0**
- You can leave blank Default Gateway, Primary DNS & Alternate DNS

nternet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
O Obtain an IP address automatically
Use the following IP address:
IP address: 192.168.1.40
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
C Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:

- Click **Ok** to close Internet Protocol Properties Window
- Click **Ok** to close Local Area Connection Properties

Note: By default Windows XP comes with the above protocols. No need to add manually.

#### Note:

You must log on as an Administrator to make or add any of the above changes. You must install Ethernet Card in your PC to use Direct Crossover cable. In source and destination PCs the static IP Address must be different.

## 4.Connecting Source and Destination PCs

Connect the LAN Cross over cable in both the PC's network card. Start using **StepUp** to migrate data from Source PC to the Destination PC.

## **5.** Connection Prerequisites

#### a. Assign the same workgroup name for both the PCs

To connect the two PCs, both source and destination PCs must be set under the same workgroup.

For Windows 95/98/ME



**To open** the **Network** Panel, click on **Start > Settings> Control Panel > Network**) or right click on (My Computer /Control Panel/Network)

## On the Identification Tab of the Network panel

Network
Configuration Identification Access Control
Windows uses the following information to identify your computer on the network. Please type a name for this computer, the workgroup it will appear in, and a short description of the computer.
Computer name: Computer1
Workgroup: HOME
Computer Description:

- Computer Name Each computer must have a unique "Computer Name." For example, "Computer1".
- Workgroup The workgroup name should match your Destination PC (Windows XP) workgroup name.
   Computer Description Do not enter name in the computer description as it does not apply to configure in the computer description.
- Computer Description Do not enter name in the computer description, as it does not apply to configure the network for Direct Cable Connection.

For Windows XP

- To open the Network connection, click on Start > Control Panel > Network Connections.
- On the Network Connections, select Advanced option and click Network Identifications. Click on Computer Name tab.



omputer Name Cha	anges	
You can change the nai computer. Changes may	me and the membe affect access to n	rship of this etwork resources.
Computer name:		
System1		
Full computer name: System1.		More
Member of		Mole
O Domain:		
<ul> <li>Workgroup:</li> </ul>		
HOME		

• On the **Computer Name** tab, click on **Change** button to make the changes. Under **Member** of, verify whether the workgroup name is the same as the source PC's workgroup.

## **b.** Share Hard Drives of source PC

Before transferring your files and folders, make sure that the hard drives of source PC are shared. The Destination PC can access data from the source PC only if it's hard drives are shared.

• Go to My Computer - Right-Click on C: Drive - Click on Sharing.



- Click on Shared As Shared name "C" will appear automatically in the box by default. Change the share name as C\$.
- Select Access Type Full.
- Password to protect your C drive the password is not required



Web (D:) Properties ?	х
General Tools Sharing	
O Not Shared           Shared As:           Share Name:	
Access Type: C Read-Only Euli Depends on Password	
Passwords:	
Full Access Password:	

- Click OK.
- **Repeat** this process for all drives.

Note: When you click on My Computer, a hand icon will be displayed representing that the selected the drive is shared.

## c. Confirming connection between both the PCs

Use ping command to confirm whether the connection is established between both the PCs. Click **Start >Programs > Accessories** and then click **Command Prompt** 

• In Command Prompt type ping <SourcePCName>

For example, if the Source PC Name is **system2 then**,

C:∖>ping system2
Pinging system2 [192.168.1.30] with 32 bytes of data:
Reply from 192.168.1.30: bytes=32 time<10ms TTL=128 Reply from 192.168.1.30: bytes=32 time<10ms TTL=128 Reply from 192.168.1.30: bytes=32 time<10ms TTL=128 Reply from 192.168.1.30: bytes=32 time<10ms TTL=128
Ping statistics for 192.168.1.30: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = Oms, Maximum = Oms, Average = Oms

You will receive a message "reply from 192.168.1.30: bytes=32 time<10ms TTL=128" 192.168.1.30 is the IP address you assigned for Source PC.