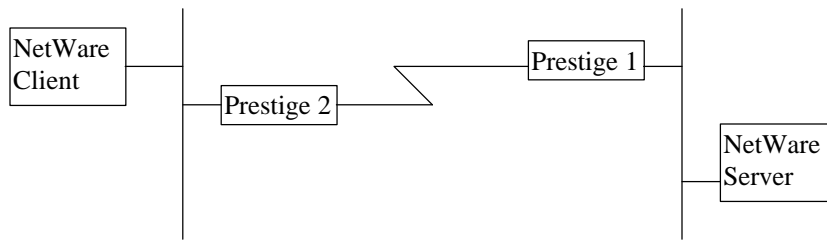


Last modified: June 12, 1997

Bridging IPX Between Two Prestiges



Note: The IPX network numbers shown above are examples only!

This configuration note explains how to set up a workstation on a network to use a Prestige to make a connection to another Prestige to bridge IPX. In this configuration, the workstation has NetWare client software so that you will be able to log into the NetWare server on the remote network. There will be three items that you need to set up. These are the workstation and the two Prestiges.

I. Workstation Setup (NetWare Client)

To set up the workstation (W/S), you will need to set the following parameters:

- **IPX Frame Type** - First determine the frame type that the NetWare server that you wish to login to is using, and set the same frame type on the NetWare client workstation.
- **Server Name** - In some cases, you may need the name that has been configured for the NetWare server you wish to login to. In the previous example, that would be 'Server_1'.

The procedure for configuring these parameters for your workstation may differ depending on the type of IPX client software you are using on your workstation. If you are unfamiliar with how to set these parameters, you can refer to the technical notes corresponding to your software.

- DOS workstation w/ NetWare Client (VLM) software
- Windows 95/NT LAN Setup

II. Prestige 2 Setup

In order to configure the Prestige on the NetWare client side for this application, make sure you have the following menus configured correctly.

Note that the fields are indicated in **bold** type.

Menu 1:

```
Menu 1 - General Setup

System Name= Pres_2
Location= San Jose
Contact Person's Name= CC

Route IP= Yes
Route IPX= No
Bridge= Yes

Press ENTER to Confirm or ESC to Cancel:
```

- In menu 1, make sure the **Bridge** field is set to 'Yes'.

Menu 2:

```
Menu 2 - ISDN Setup

Switch Type= Northern Telecom Custom

B Channel Usage= Switch/Switch
1st Phone #= 5551212
    SPID #= 408555121200
    Analog Call= Modem
2nd Phone #= 5551213
    SPID #= 408555121300
    Analog Call= Voice

Press ENTER to Confirm or ESC to Cancel:
```

- In menu 2, set your switch type, phone numbers, and SPIDs (if necessary).
- After saving this menu, you will be asked if you want to perform an ISDN connection test. Select 'Yes' to perform the test. If the test fails, refer to the User's Manual Troubleshooting section for corrective action.

Menu 3.5:

```
Menu 3.5 - Bridge Ethernet Setup

Handle IPX= Client

Press ENTER to Confirm or ESC to Cancel:
```

- Set **Handle IPX** to 'Client'.

Menu 11:

```
Menu 11.1 - Remote Node Profile

Rem Node Name= My_ISP          Route= None
Active= Yes                    Bridge= Yes
Call Direction= Outgoing

Incoming:
  Rem Login=
  Rem Password= *****
  Rem CLID= N/A
  Call Back= N/A
Outgoing:
  My Login= username
  My Password= *****
  Authen= CHAP/PAP
  Pri Phone #= 5551214
  Sec Phone #=

Edit PPP Options= No
Rem IP Addr= N/A
Edit IP/IPX/Bridge= Yes
Telco Option:
  Transfer Type= 64K
  Allocated Budget(min)= 0
  Period(hr)= 0
Session Options:
  Input Filter Sets=
  Output Filter Sets=
  Call Filter Sets=
  Idle Timeout(sec)= 300

Press ENTER to Confirm or ESC to Cancel:
```

- The **Call Direction** should be set to 'Outgoing'.
- Make sure the remote node is enabled by setting **Active** to 'Yes'.
- **My Login** and **My Password** is the login information that this Prestige will use to connect to the remote router.
- The **Pri Phone #** field should be set to the correct phone number to dial.
- **Route** should be set to 'None'
- The **Bridge** field should be set to 'Yes'.
- Set **Edit IP/IPX/AppleTalk/Bridge** to 'Yes' and press ENTER.

Menu 11.2:

```
Menu 11.3 - Remote Node Network Layer Options

IP Options:
Rem IP Addr:
Rem Subnet Mask= N/A
My WAN Addr= N/A
Single User Account= N/A
Server IP Addr= N/A
Metric= N/A
Private= N/A
RIP= N/A

IPX Options:
Dial-On-Query= N/A
Rem LAN Net #= N/A
My WAN Net #= N/A
Hop Count= N/A
Tick Count= N/A
W/D Spoofing(min)= N/A
SAP/RIP Timeout(min)= N/A

Bridge Options:
Dial-On-Broadcast= Yes
Ethernet Addr Timeout(min)= 0

Enter here to CONFIRM or ESC to CANCEL:
```

- **Dial-On-Broadcast** should be 'Yes'.

III. Prestige 1 Setup

In order to configure the Prestige on the NetWare server side, make sure you have the following menus configured correctly.

Note that the fields are indicated in **bold** type.

Menu 1:

```
Menu 1 - General Setup

System Name= Pres_1
Location= San Jose
Contact Person's Name= CC

Route IP= Yes
Route IPX= No
Bridge= Yes

Press ENTER to Confirm or ESC to Cancel:
```

- In menu 1, make sure the **Bridge** field is set to 'Yes'.

Menu 2:

```
Menu 2 - ISDN Setup

Switch Type= Northern Telecom Custom

B Channel Usage= Switch/Switch
1st Phone #= 5551214
    SPID #= 408555121400
    Analog Call= Modem
2nd Phone #= 5551215
    SPID #= 408555121500
    Analog Call= Voice

Press ENTER to Confirm or ESC to Cancel:
```

- In menu 2, set your switch type, phone numbers, and SPIDs (if necessary).
- After saving this menu, you will be asked if you want to perform an ISDN connection test. Select 'Yes' to perform the test. If the test fails, refer to the User's Manual Troubleshooting section for corrective action.

Menu 3.5:

```
Menu 3.5 - Bridge Ethernet Setup

Handle IPX= Server

Press ENTER to Confirm or ESC to Cancel:
```

- Set **Handle IPX** to 'Server'.

Menu 11:

```
Menu 11.1 - Remote Node Profile

Rem Node Name= My_user          Route= None
Active= Yes                     Bridge= Yes
Call Direction= Incoming

Incoming:
  Rem Login= username           Edit PPP Options= No
  Rem Password= *****        Rem IP Addr= N/A
  Rem CLID=                     Edit IP/IPX/Bridge= Yes
  Call Back= N/A               Telco Option:
                                Transfer Type= 64K
                                Allocated Budget(min)= 0
                                Period(hr)= 0
Outgoing:
  My Login= username           Session Options:
  My Password= *****        Input Filter Sets=
  Authen= N/A                  Output Filter Sets=
  Pri Phone #= N/A             Call Filter Sets=
  Sec Phone #= N/A             Idle Timeout(sec)= 300

Press ENTER to Confirm or ESC to Cancel:
```

- The **Call Direction** should be set to 'Incoming'.
- Make sure the remote node is enabled by setting **Active** to 'Yes'.
- **Rem Login** and **Rem Password** is the login information that this Prestige will expect from the remote router.
- **Route** should be set to 'None'
- The **Bridge** field should be set to 'Yes'.
- Set **Edit IP/IPX/Appletalk/Bridge** to 'Yes' and press ENTER.

Menu 11.2:

```
Menu 11.3 - Remote Node Network Layer Options

IP Options:
  Rem IP Addr:
  Rem Subnet Mask= N/A
  My WAN Addr= N/A
  Single User Account= N/A
    Server IP Addr= N/A
  Metric= N/A
  Private= N/A
  RIP= N/A

IPX Options:
  Dial-On-Query= N/A
  Rem LAN Net #= N/A
  My WAN Net #= N/A
  Hop Count= N/A
  Tick Count= N/A
  W/D Spoofing(min)= N/A
  SAP/RIP Timeout(min)= N/A

Bridge Options:
  Dial-On-Broadcast= No
  Ethernet Addr Timeout(min)= 0

Enter here to CONFIRM or ESC to CANCEL:
```

- **Dial-On-Broadcast** should be 'No'.