

Multiprotocol LAN2LAN in an IP Network

Document ID: 15004

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Introduction

This document assumes a limited knowledge of TCP/IP. Even if you do not understand or have access to the NetWare TCP/IP Supervisor's Guide, you can still quickly add TCP support to your NetWare network that contains a LAN²LAN.

Prerequisites

Requirements

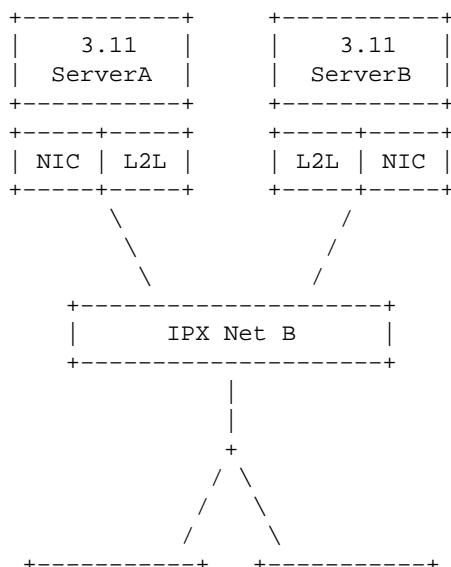
There are no specific requirements for this document.

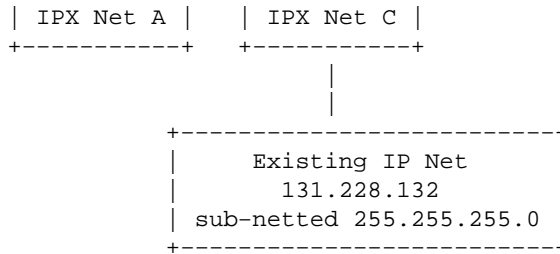
Components Used

This document is not restricted to specific software and hardware versions.

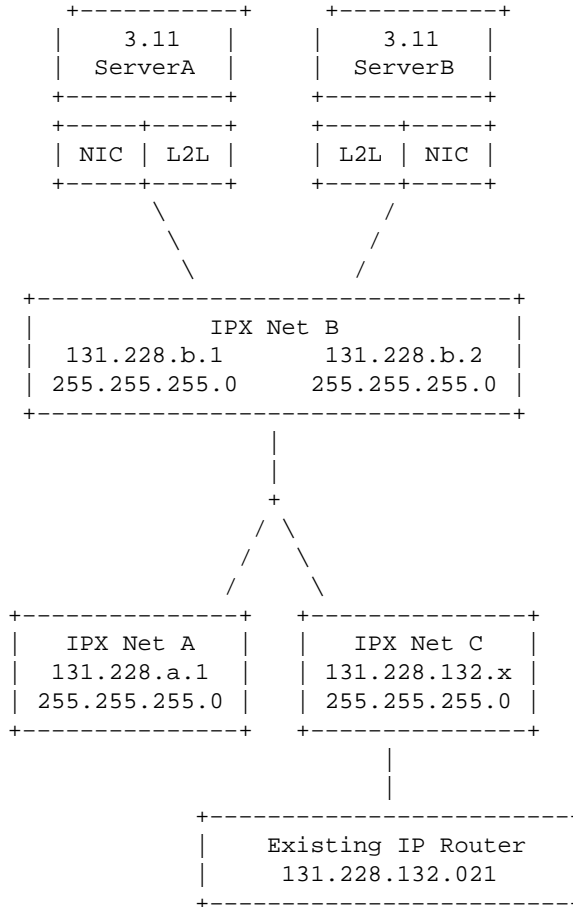
Information

Assume you have two NetWare v3.11 servers connected via LAN²LAN, and that one of these attaches to a dedicated IPX LAN, while the other attaches to a LAN which handles both IP and IPX traffic. The configuration is shown here. You can take advantage of NetWare and LAN²LAN multiprotocol support to let users on IPX Net A access services on the IP network.





Your new network might look like this:



NOTE: a and b are two sub-net addresses and x is a host address assigned to you by the Administrator of network 131.228.

Your AUTOEXEC.NCF for Server A will be similar to this:

```

file server name SERVER_A
ipx internal net A001
load tcpip forward=yes
load NE2000 port=300 int=3 frame=ETHERNET_802.3 NAME=aipx
bind ipx to aipx net=A
load LAN2LAN port=258 mem=d80000 int=5 NAME=P258L1
bind ipx to P258L1 net=B
bind ip to P258L1 addr=131.228.b.1 mask=255.255.255.0
load ne2000 port=300 int=3 frame=ETHERNET_II NAME=aip
bind ip to aip addr=131.228.a.1 mask=255.255.255.0

```

Your AUTOEXEC.NCF for Server B will be similar to this:

```

file server name SERVER_B

```

```
ipx internal net B001
load tcpip forward=yes
load NE2000 port=300 int=3 frame=ETHERNET_802.3 NAME=bipx
bind ipx to bipx net=C
load LAN2LAN port=258 mem=d80000 int=5 NAME=P258L1
bind ipx to P258L1 net=B
bind ip to P258L1 addr=131.228.b.2 mask=255.255.255.0 defroute=yes
load ne2000 port=300 int=3 frame=ETHERNET_II NAME=bip
bind ip to bip addr=131.228.132.x mask=255.255.255.0 gate=131.228.132.021
```

Note: The frame type for IP shown here as ETHERNET_II might be ETHERNET_SNAP on some networks. The parameter DEFROUTE on the BIND command for LAN2LAN for Server B broadcasts a default route for all traffic destined for unknown networks to Server B. The parameter GATE on the BIND command for the NIC on Server B creates a default router which routes all traffic for unknown networks to the indicated IP host, which is assumed to have a route to them.

Related Information

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Updated: Oct 06, 2005

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