



inside  
net working

May 1998 Announcements

# **Network Solution for e-business 3746 model 900 and model 950**

*Transforming your business using Internet technologies*

**05/05/98  
(Revision 1)**



e-business

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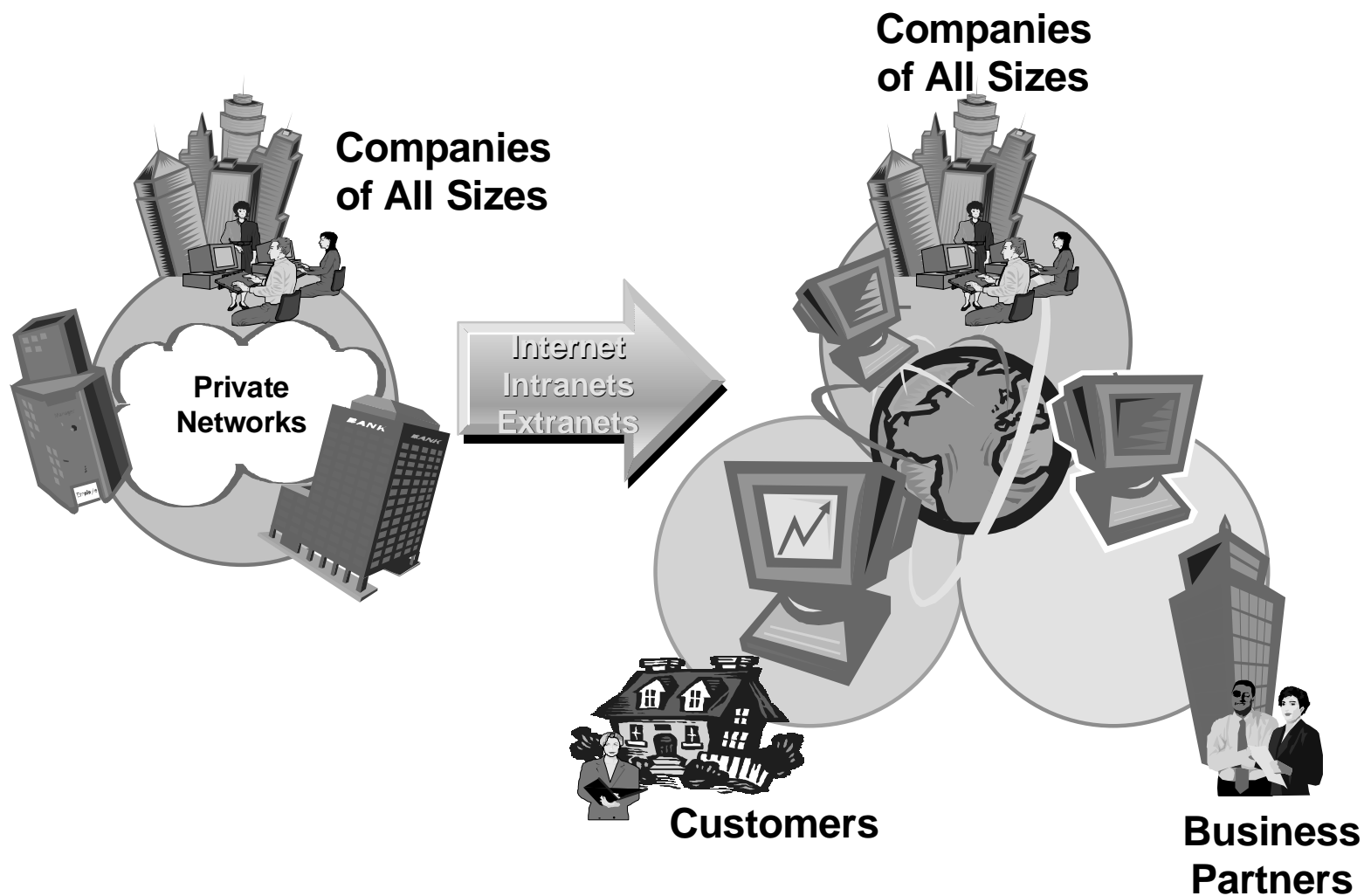
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# Extending the Enterprise



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## e-business

**Secure, scalable,  
reliable systems on  
existing foundations**

**Increased  
productivity**

**Enhanced  
competitiveness**

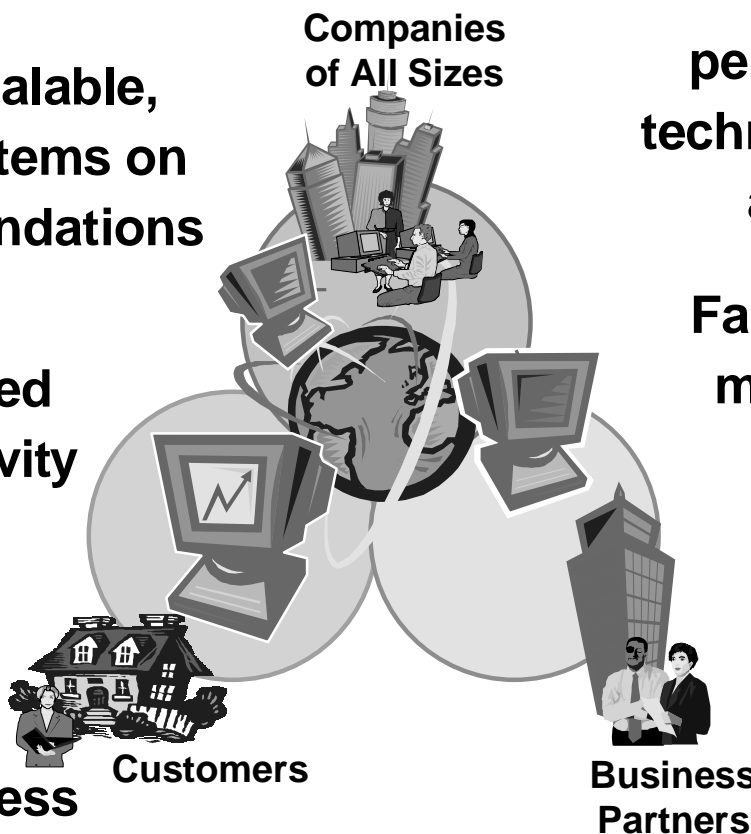
**Companies  
of All Sizes**

**Manageable  
performance and  
technologies for new  
applications**

**Faster to  
market**

**Reduced  
costs**

**Expanded  
markets**



*A new world of networked business computing*

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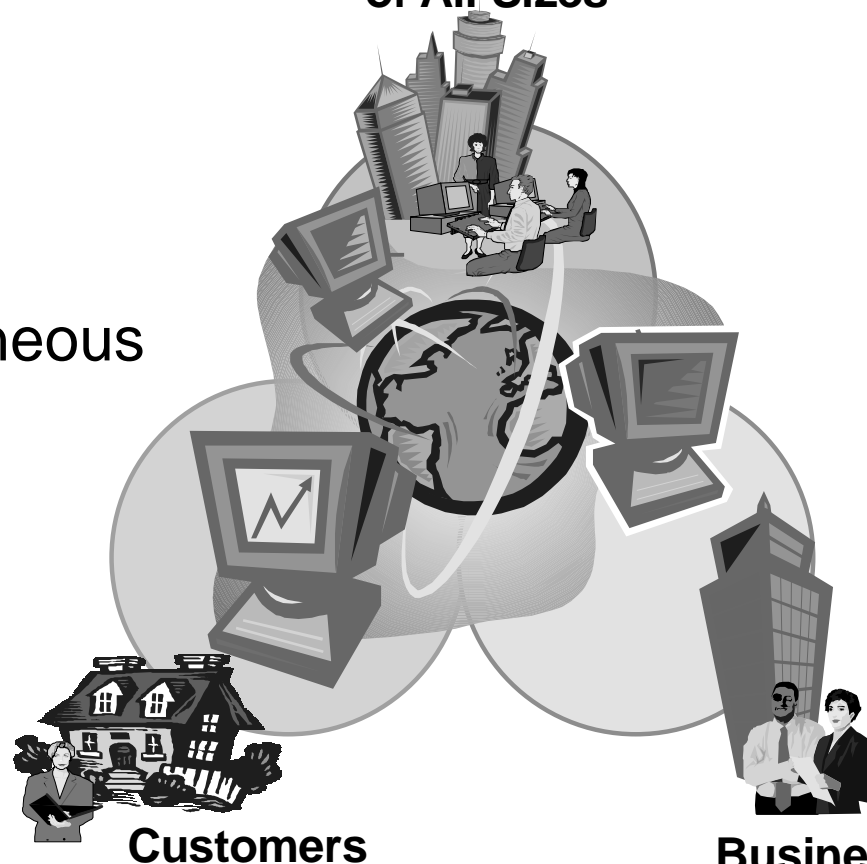
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## The Heart of e-business: Networking

- Leverages investments
- Provides access
- Expands markets
- Integrates heterogeneous systems
- Enhances competitiveness

Companies  
of All Sizes



Business  
Partners



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## Announcements

**VPN**

Security across  
the Internet

**Frame  
Relay**

Growth without  
application  
changes

**S/390 Server  
Access**

Higher

capacity and  
performance

**ATM**

**ISDN**

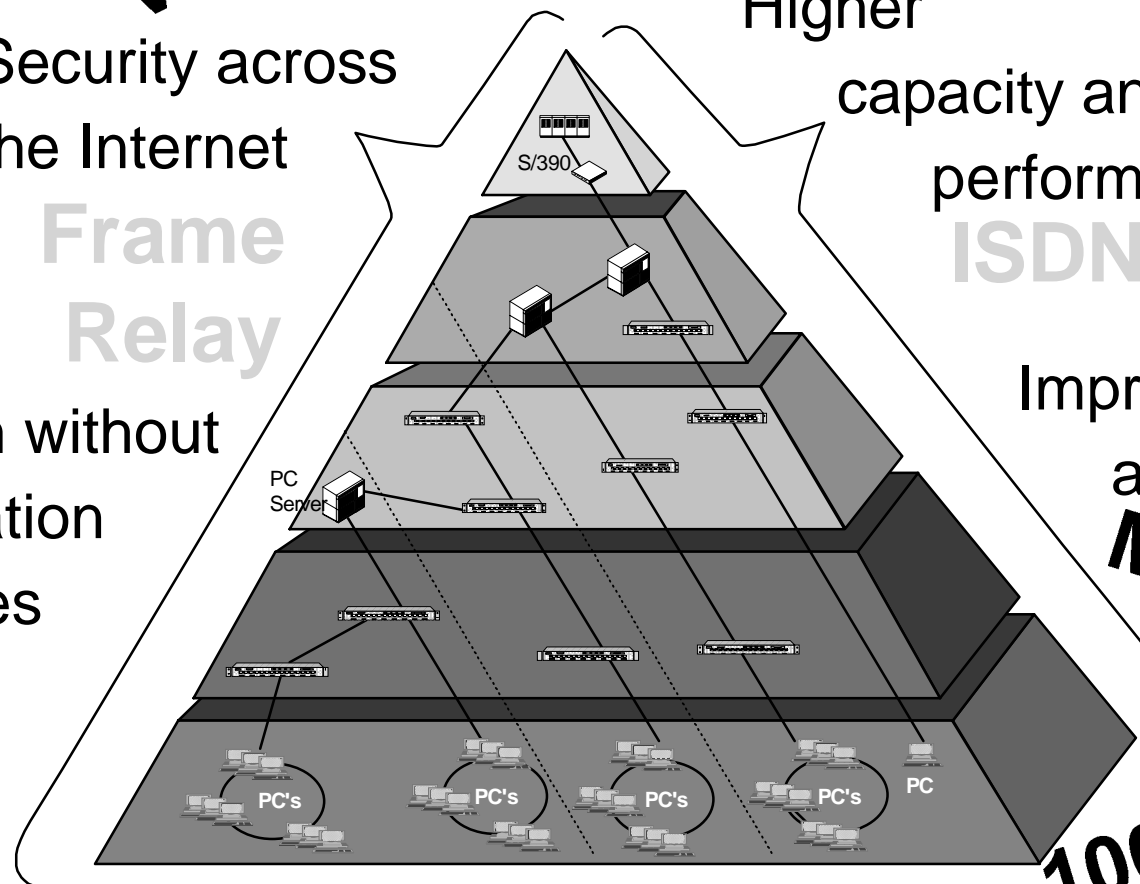
Improved  
availability

**MPOA**

**HS  
Token Ring**

Enhanced Mobility and Connectivity

**100Mbps  
Enet**



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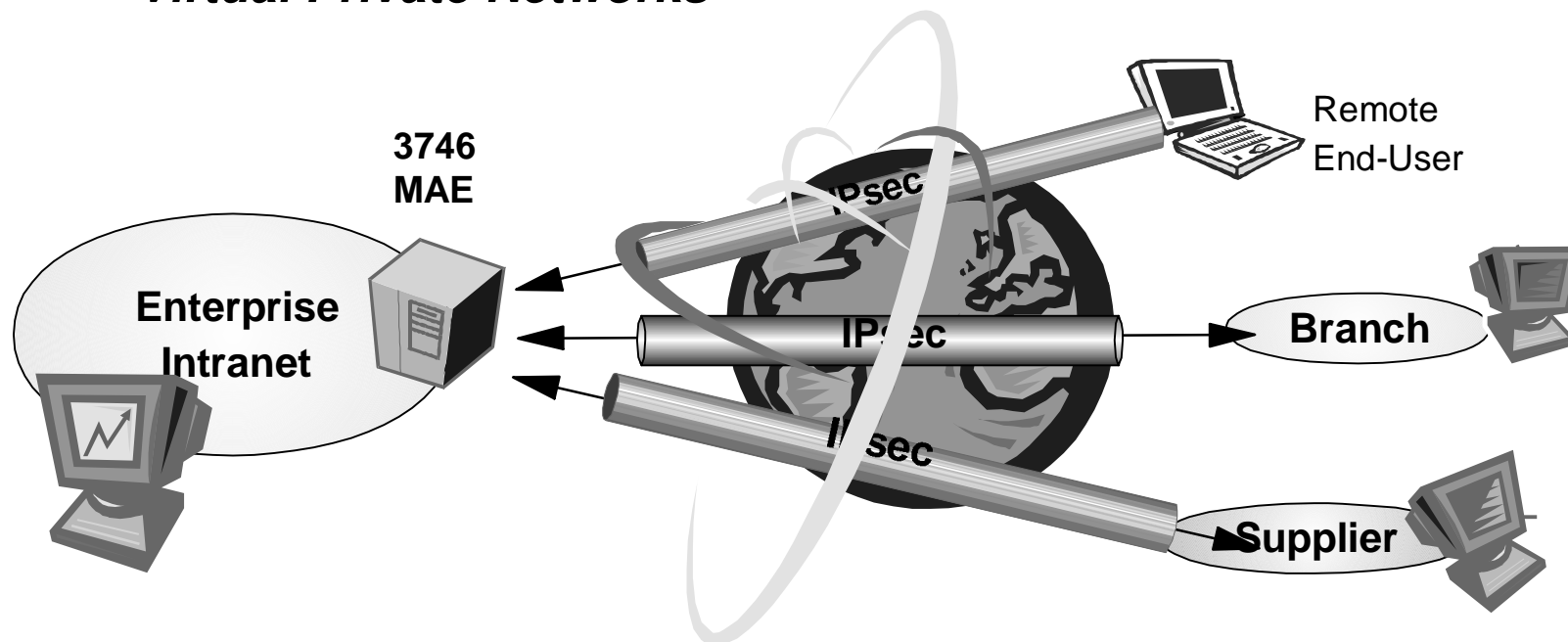
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# Security Across the Internet

## *Virtual Private Networks*



- VPNs extend Enterprise Intranets, reduce WAN costs
- IPsec can create "secure channels" over the Internet

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# Everything Needed for Secure VPNs

Sysplex  
(S390)



## IPsec Hosts

- Clients - AIX, Win95, OS/2
- Servers with integrated firewall, OS/400 OS/390 and AIX



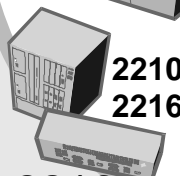
SP2  
(RS6000)  
Netfinity

## Software Firewalls

- AIX, NT
- IPsec, Socks5, packet filters



3746  
MAE



2210  
2216

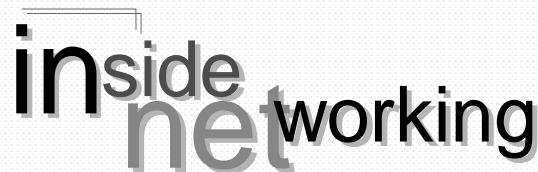
## Routers

- 2210 and 2216
- 3746 MAE
- IPsec, L2TP

## ISP and Consulting Services



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## IBM eNetwork VPN Differentiators

- Widest range of VPN-enabled products and services
- World-class IBM security expertise from the developer of security technologies (DES, HMAC, SET...)
- Committed to broadest support of Open VPN Technology

*Plus--most key applications and data  
reside on IBM systems*





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## Mobility & Connectivity for e-business

- Secure VPNs for companies, business partners, and telecommuters
- Flexible remote access with improved controls
- Wide range of connectivity enhancements
- Fast Ethernet for portables



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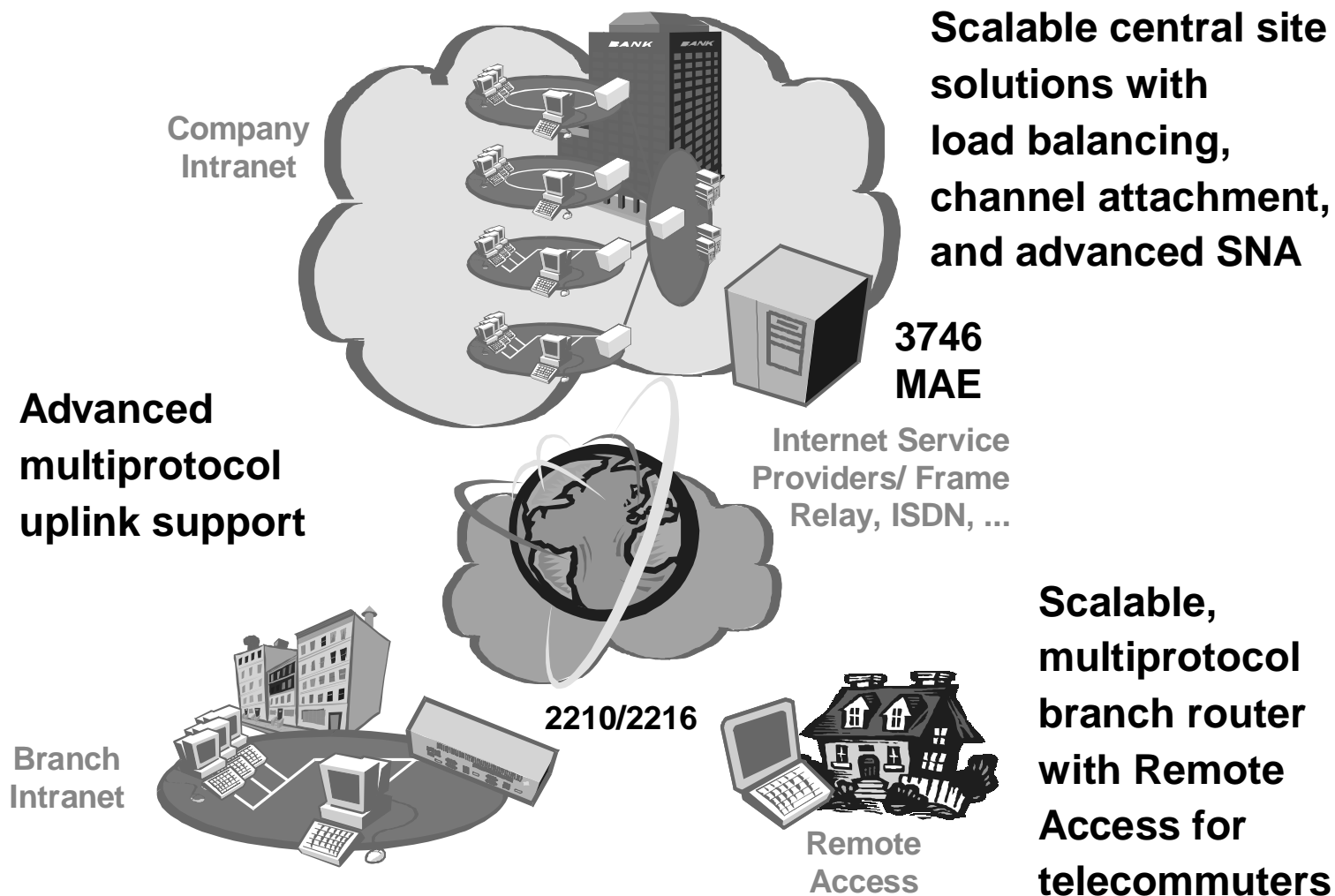
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## Solutions for Branch Connectivity



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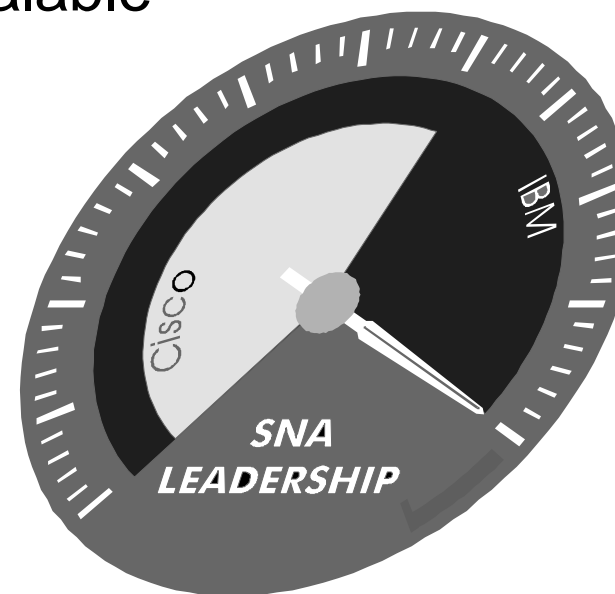
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## SNA Leadership

- Distributed TN3270E Server
- Enterprise Extender SNA flow control over IP
- High-performance, scalable SNA APPN/HPR
- Scalable Frame Relay BAN
- DLSw plus SDLC, PU 4/5 and NetBIOS
- DLSw for SNA over IP

Cisco  
stops  
here



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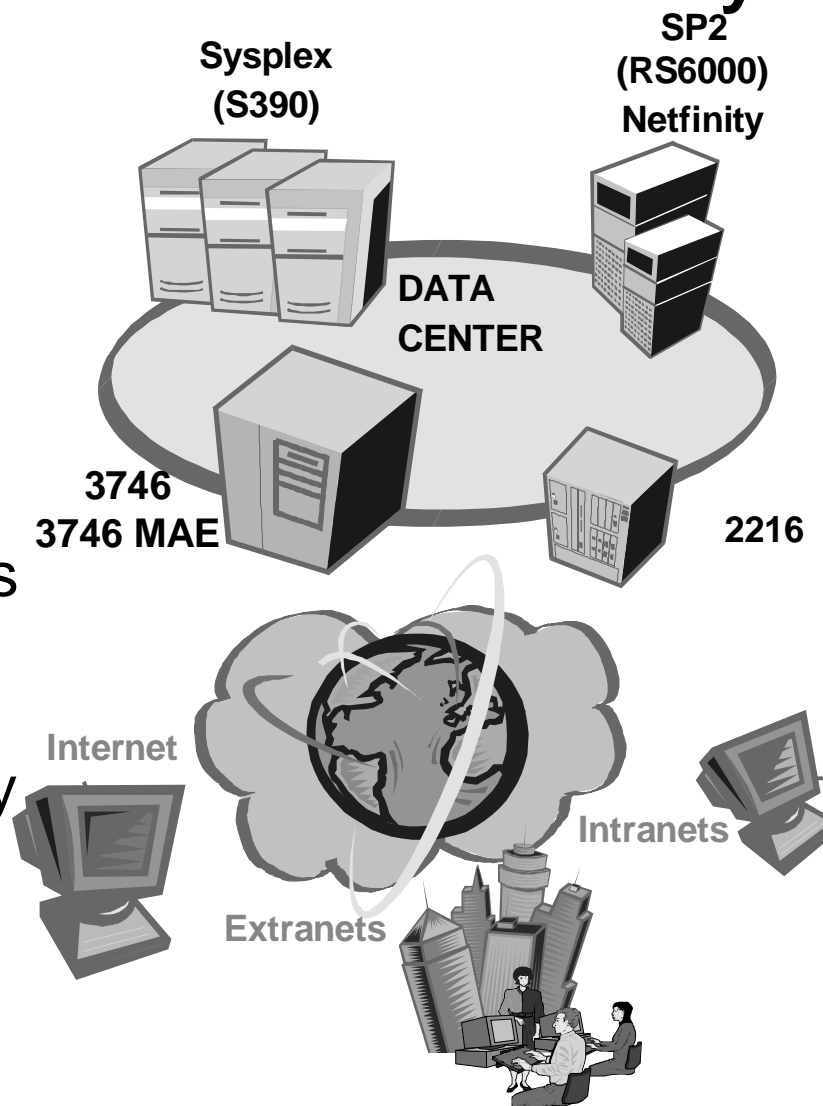
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## Best Access to Data Centers In The Industry

- Full range of channel attachments
- Very high capacity with server load balancing
- Rich connectivity with continuous enhancements
- Industry-leading security
- Reliability and availability for 24x7 operation
- Proven highest performance



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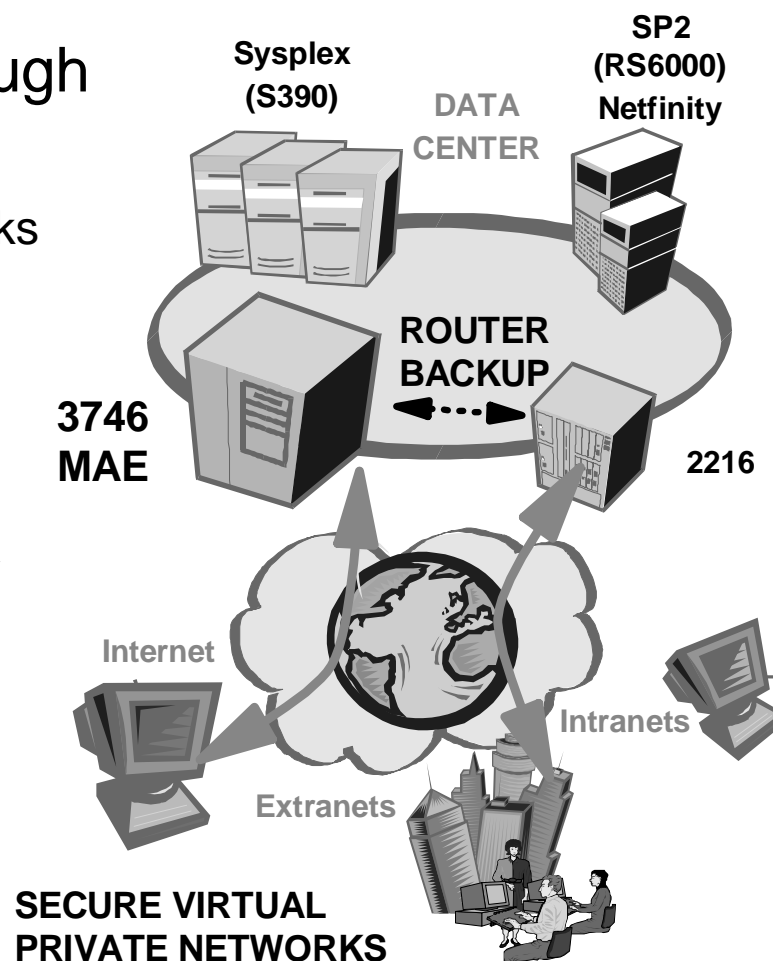
## Increased IP Security and Availability

### ■ Secure connections through IP networks

- Secure Virtual Private Networks using IPSec
- L2TP Tunneling
- Enhanced Firewall support
- Authentication

### ■ Router backup for higher availability

- Uses IETF standard VRRP protocols



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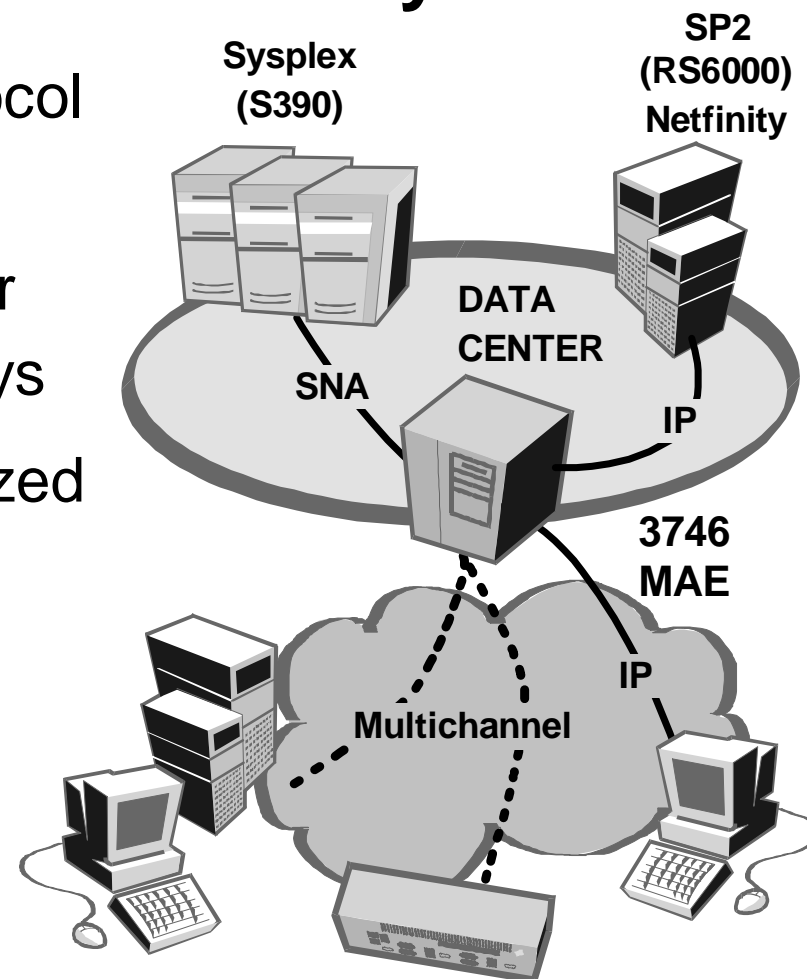
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## Enhanced 3746 MAE Connectivity

- Full range of multiprotocol channel attachments
- Growth and migration for parallel channel gateways
- Multiport ISDN/channelized T1/E1 for more ports at a lower cost per port
- TN3270e server with full SNA support--both APPN/HPR *and* PU2



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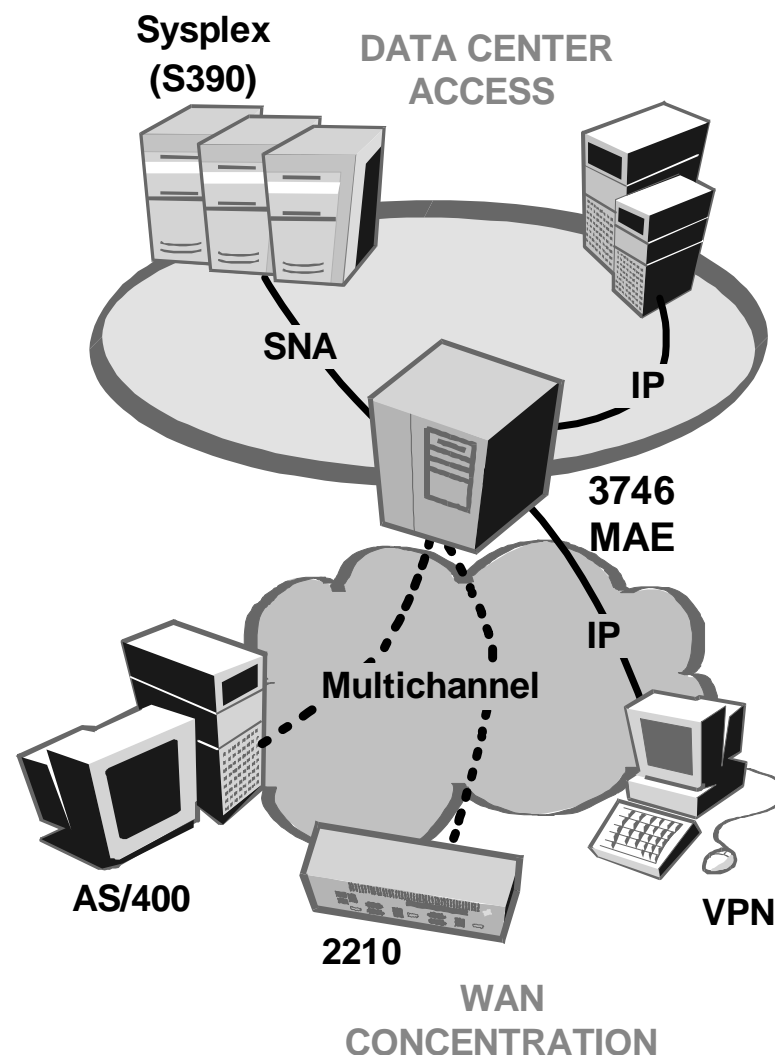
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## Enhanced 3746 MAE Connectivity and Performance

- Fast Token Ring
- performances enhanced to >150Kpps
- APPN scalability improved
  - Extended Border Node
  - Session Service Extended



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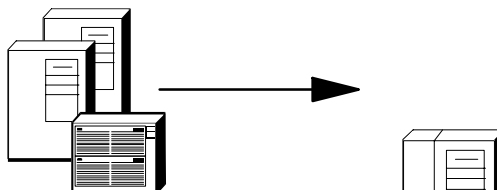
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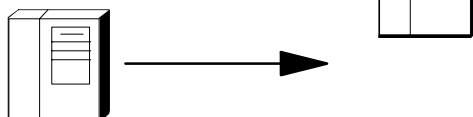
## Robust support with flexible growth paths

Multiple 37XX  
+  
3172



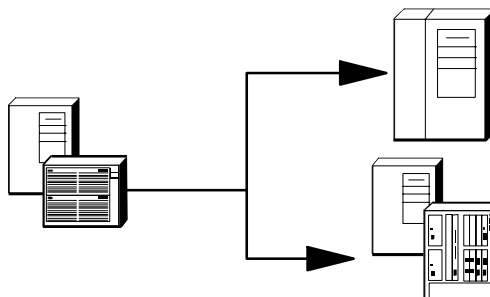
**3746 with  
Multiaccess  
Enclosure** Premier gateway to  
consolidate large  
multiprotocol network

3746-900



Increased high-speed  
capacity and expanded  
function

Single or few  
3745 + 3172



**3746 with  
Multiaccess  
Enclosure** Premier gateway to  
consolidate large  
multiprotocol network

**3745 or  
2216** Benefits of SNA offload  
with robust TCP/IP  
gateway



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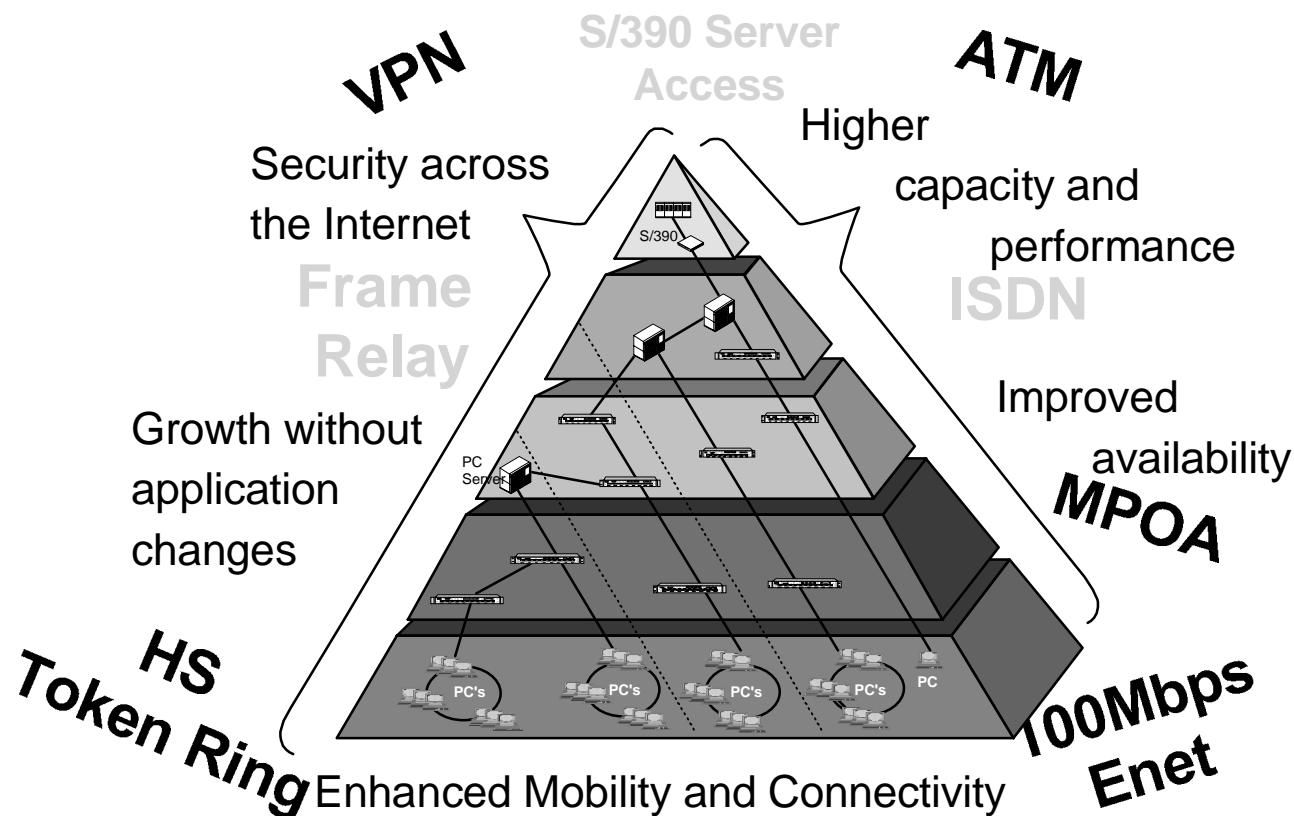
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## e-business Solutions You Can Count On



- Start simple and grow quickly on a secure foundation
- Builds on what you have



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# Total e-business Solutions From IBM

AS/400

Software Group

Credit Corp

Network Printers

Network HW & SW



Business  
Partners

Large Enterprise  
Customers



Solutions



Small & Medium  
Business Customers

Companies of  
All Sizes

*Bringing all of IBM resources into play for maximum customer benefit*

