Worldwide
Developers
Conference

AppleShare IP
Update
John Hanay
Sr. Product Marketing
Manager

Agenda

- Progress on AppleShare IP 5.0
- Overview of AppleShare IP 5.5
- AppleShare on Rhapsody
- Demonstrations
  - Open Door Networks and Service Location
  - Vicom Technologies
- Q&A

AppleShare IP 5.0

Status update

- Adopted a tiered pricing model
- Expect to GM in a week or so
- Ship near the end of the month
- Customer feedback points to broad adoption of AppleShare IP 5.0
- AppleShare IP 5.0 expected to ship 40K units during next six months

AppleShare IP 5.5

General features

- Support for new Apple Power Macintosh systems and Workgroup Servers
- Support for Mac OS 8
- Qualification of PowerPC 603e-based Apple Power Macintosh systems

AppleShare IP 5.5

File and Web Services

- IP Filtering
- Support for Windows 95, NT, and 3.x, DOS and OS/2 clients via SMB over TCP
- Support for WebStar plug-ins via W*API
- Separate web guest privileges

AppleShare IP 5.5

Mail Services

- Support for Internet standard IMAP v4 clients via IMAP mail server
- VT WIN integration for IMAP searching

AppleShare IP 5.5

Print Services

- User Authentication
- Developer API for accounting, etc.
- Support for printing over TCP/IP

AppleShare IP 5.5

Schedule

- Targeting Q2 (Jan–Mar)
- Internet beta in Fall timeframe

AppleShare on Rhapsody

- Our goal is to migrate AppleShare to Rhapsody as soon as possible
- Maintain our strengths in ease-of-use and lowest cost of ownership
- Extend our reach by embracing the strengths of Rhapsody
  - Reliability
  - Scalability
  - Performance

Q&A

AppleShare IP and Service Location

Alan B. Oppenheimer

Open Door Networks, Inc.

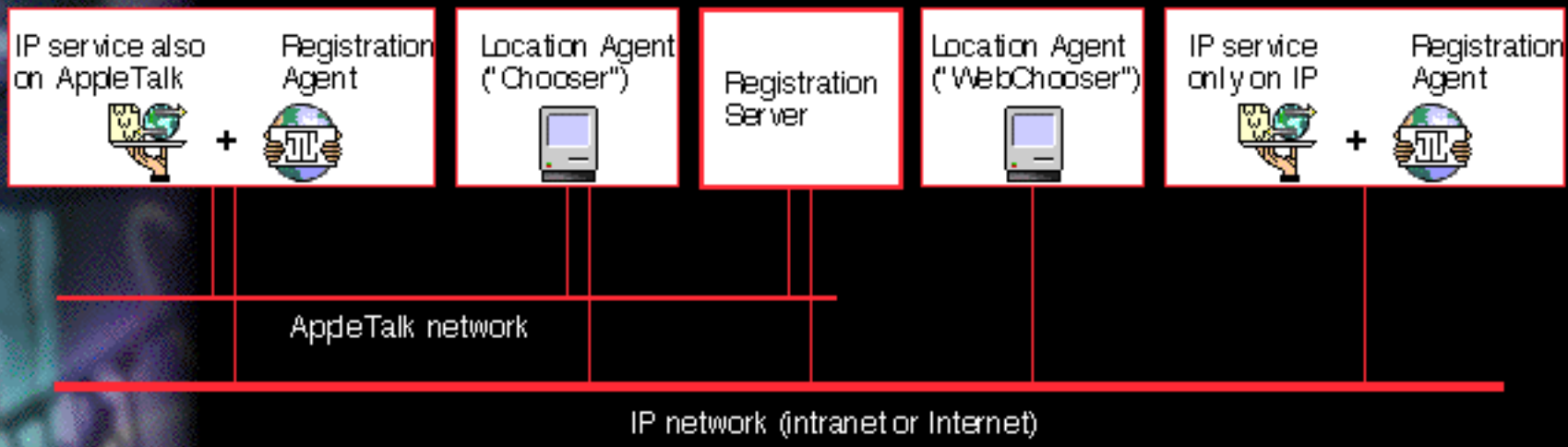
Service Location—The Next Step in Migrating from AppleTalk to IP

- Many popular services are IP already (Web, FTP)
- Other services are both AppleTalk and IP (AppleShare)
- What's missing? AppleTalk's ability to easily find and access these services

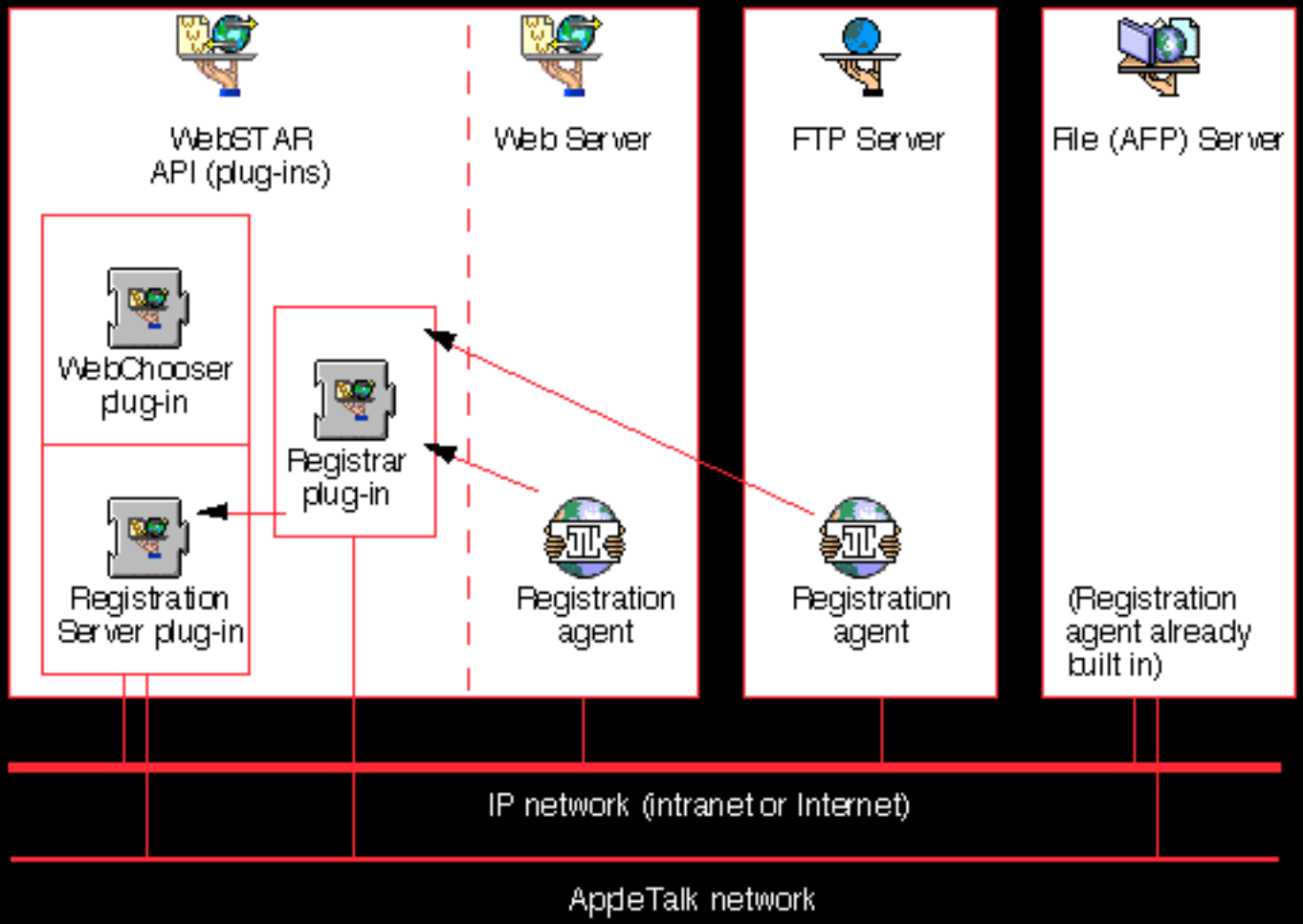
Open Door's Service Location Effort

- Bring AppleTalk's ease-of-use to the Internet (where the services are going anyway)
- Focus on Mac-based services and clients
- Be sure to include other platforms and Internet-standard protocols in the design
- Use AppleShare IP as the centerpiece ("it's a natural")

Open Door's Service Location Architecture



Service Location and AppleShare IP



Open Door's Public AppleShare IP Registration Service

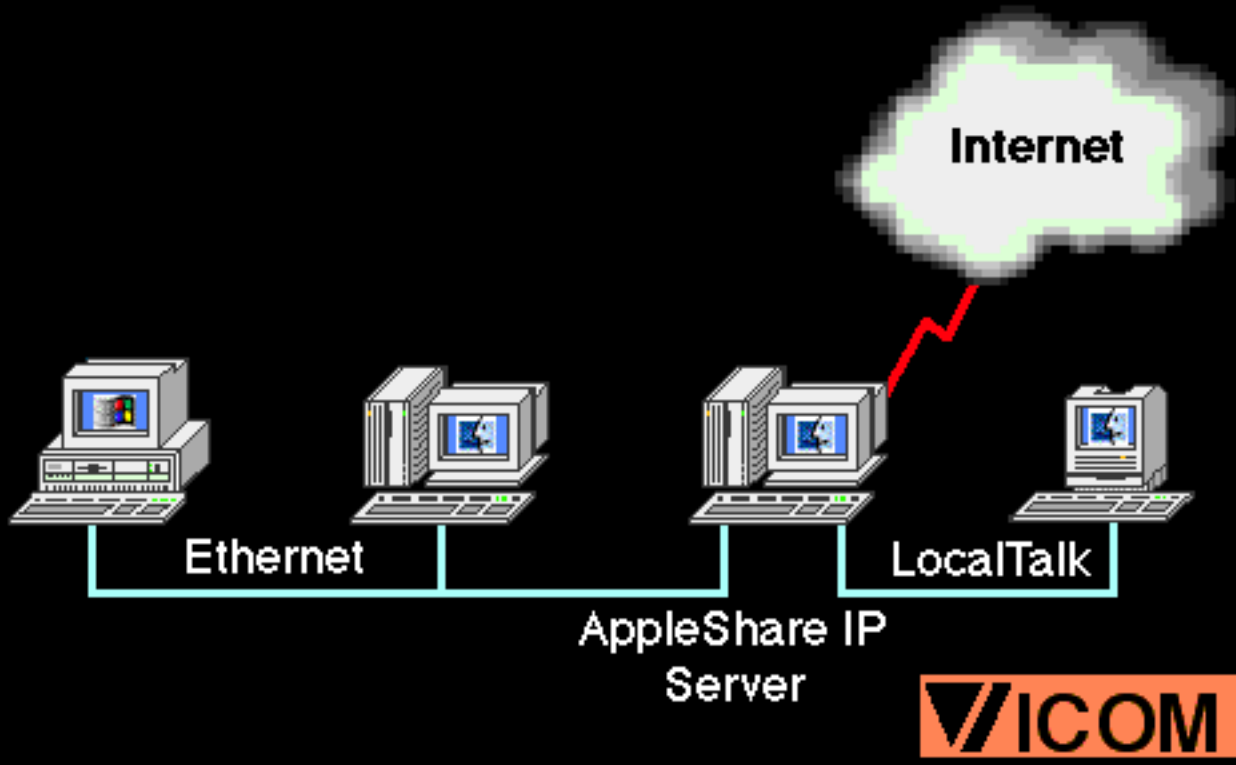
- http://www.opendoor.com/asip/
- Highly prototype! Will be much more automated in the future
- Will evolve
- Will include Web browser plug-in for mounting AppleShare IP servers

Demo

Q&A

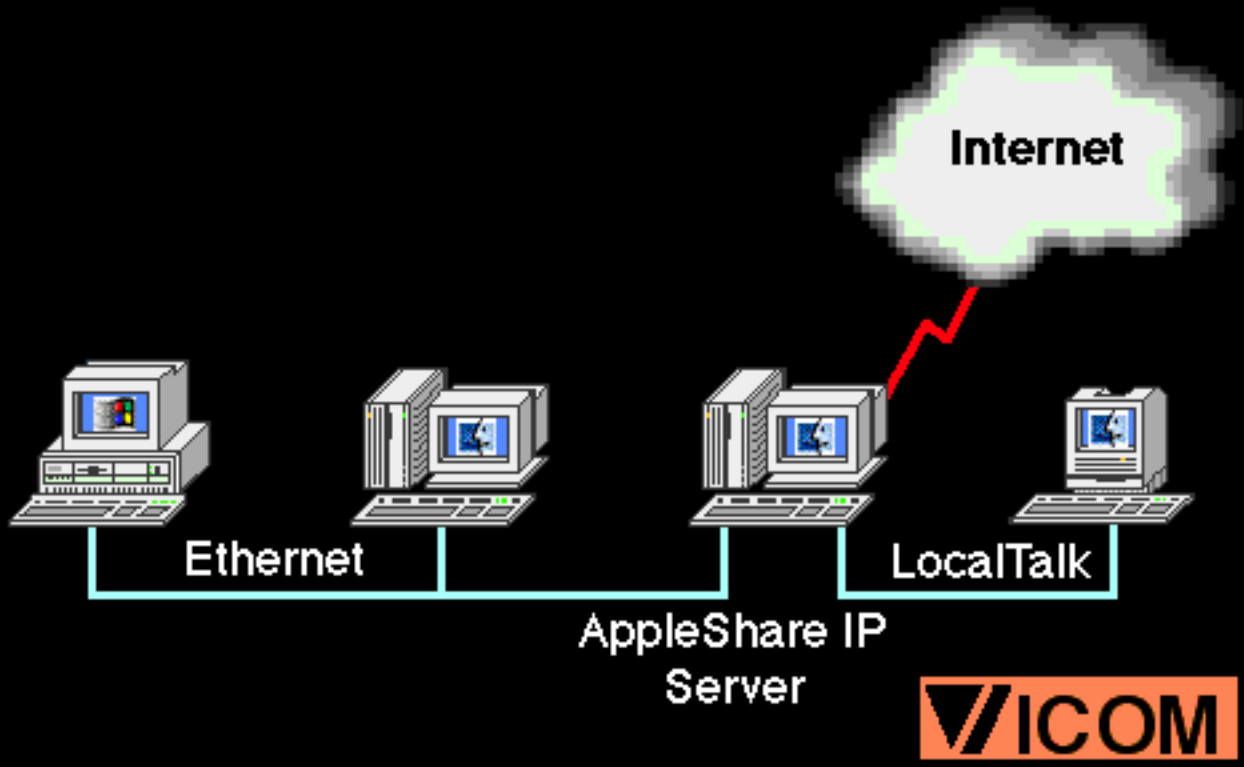
VICOM Internet Gateway
Alan Hart
Technical Director, VICOM Technology

AppleShare IP Networking



AppleShare IP Networking

To Do:



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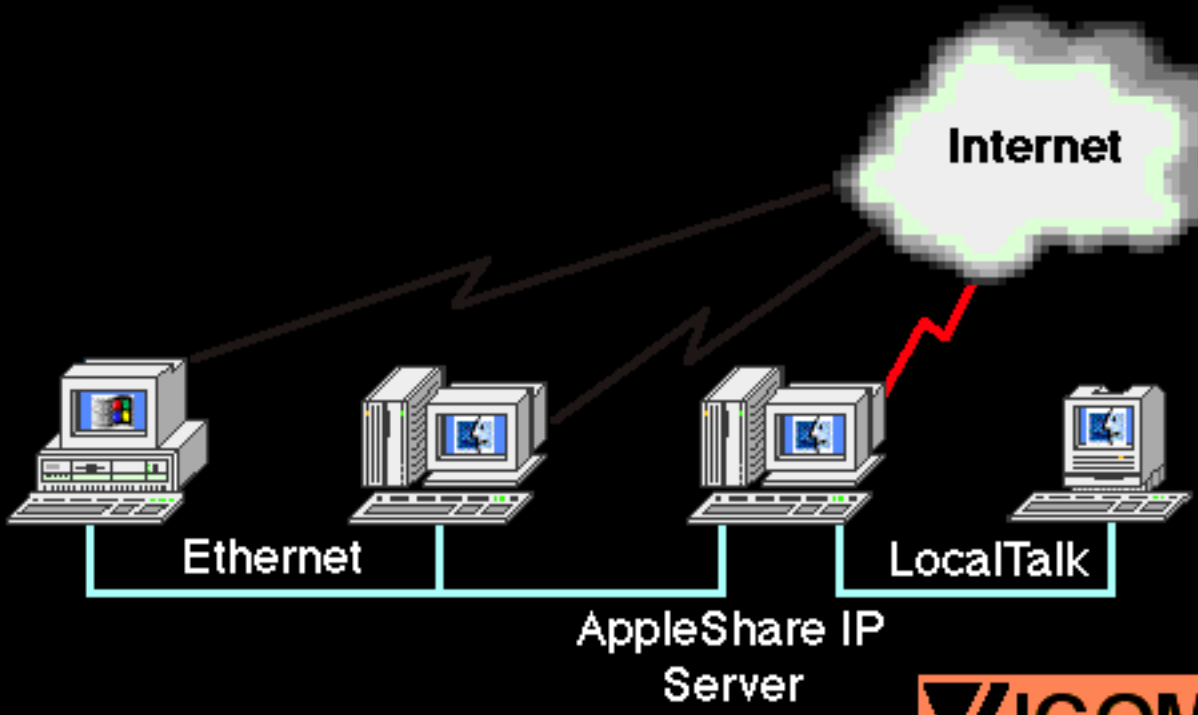
AppleShare IP Networking

To Do:

- Connect clients to the Internet

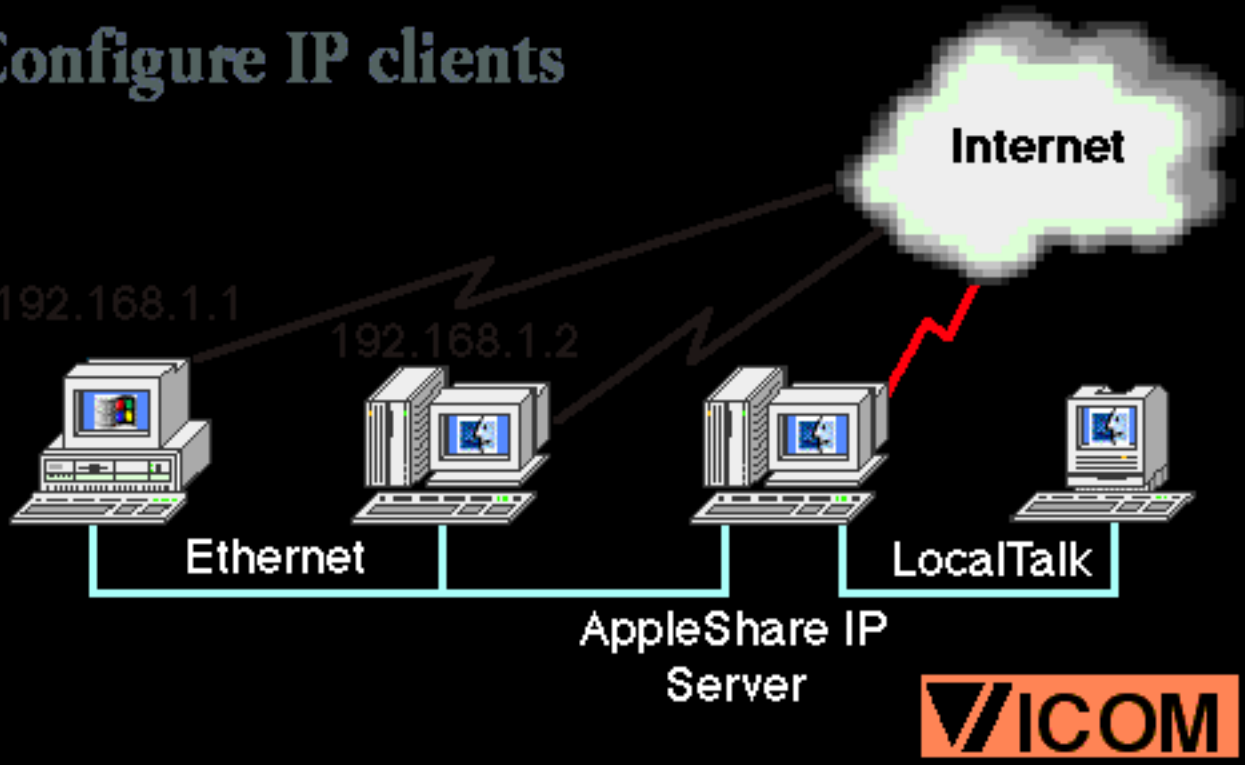


VICOM

AppleShare IP Networking

To Do:

- Connect clients to the Internet
- Configure IP clients

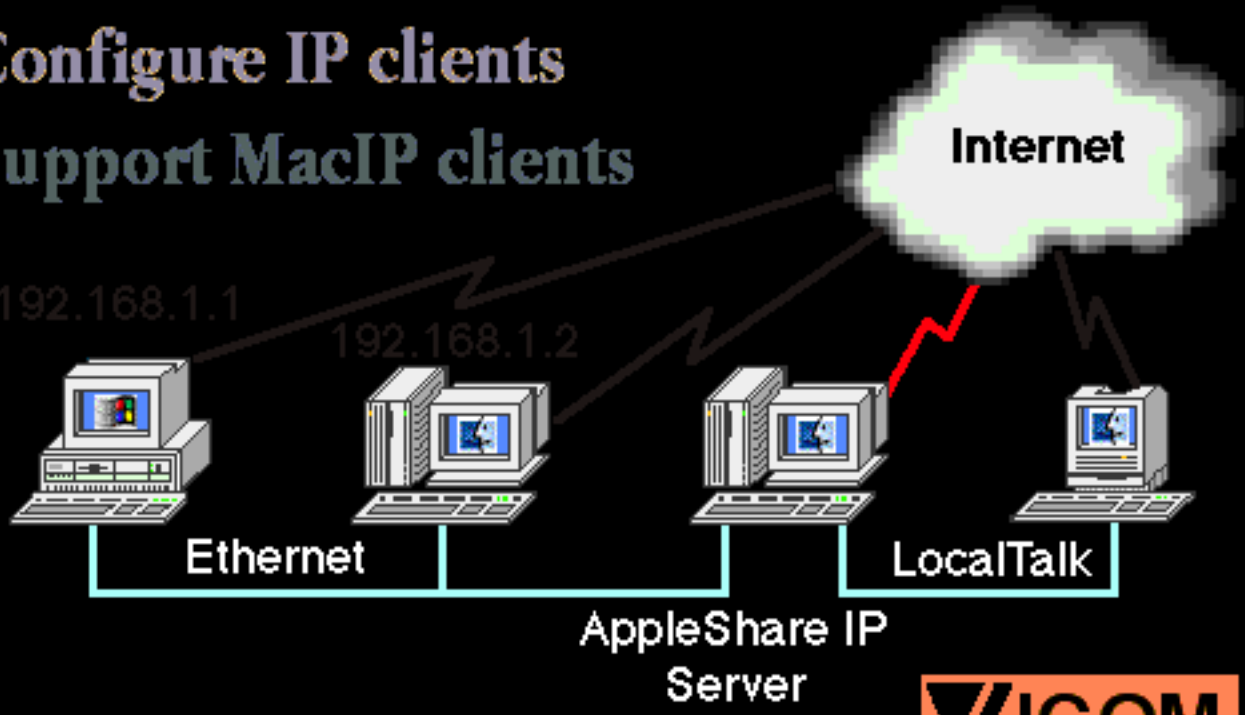


VICOM

AppleShare IP Networking

To Do:

- Connect clients to the Internet
- Configure IP clients
- Support MacIP clients



VICOM

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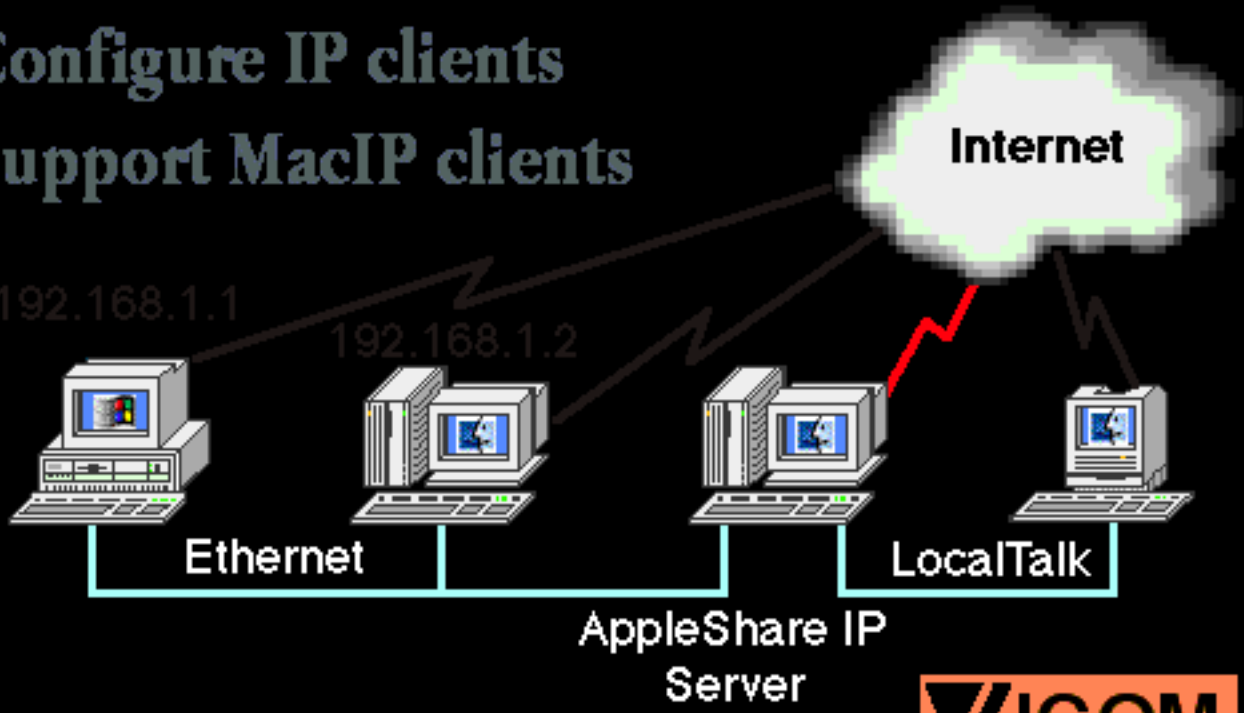

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Connect Clients to Internet

Network Address Translation

- Single public IP address
  - Reduces cost
  - Conserves scarce IP addresses
- Inherent firewall protection

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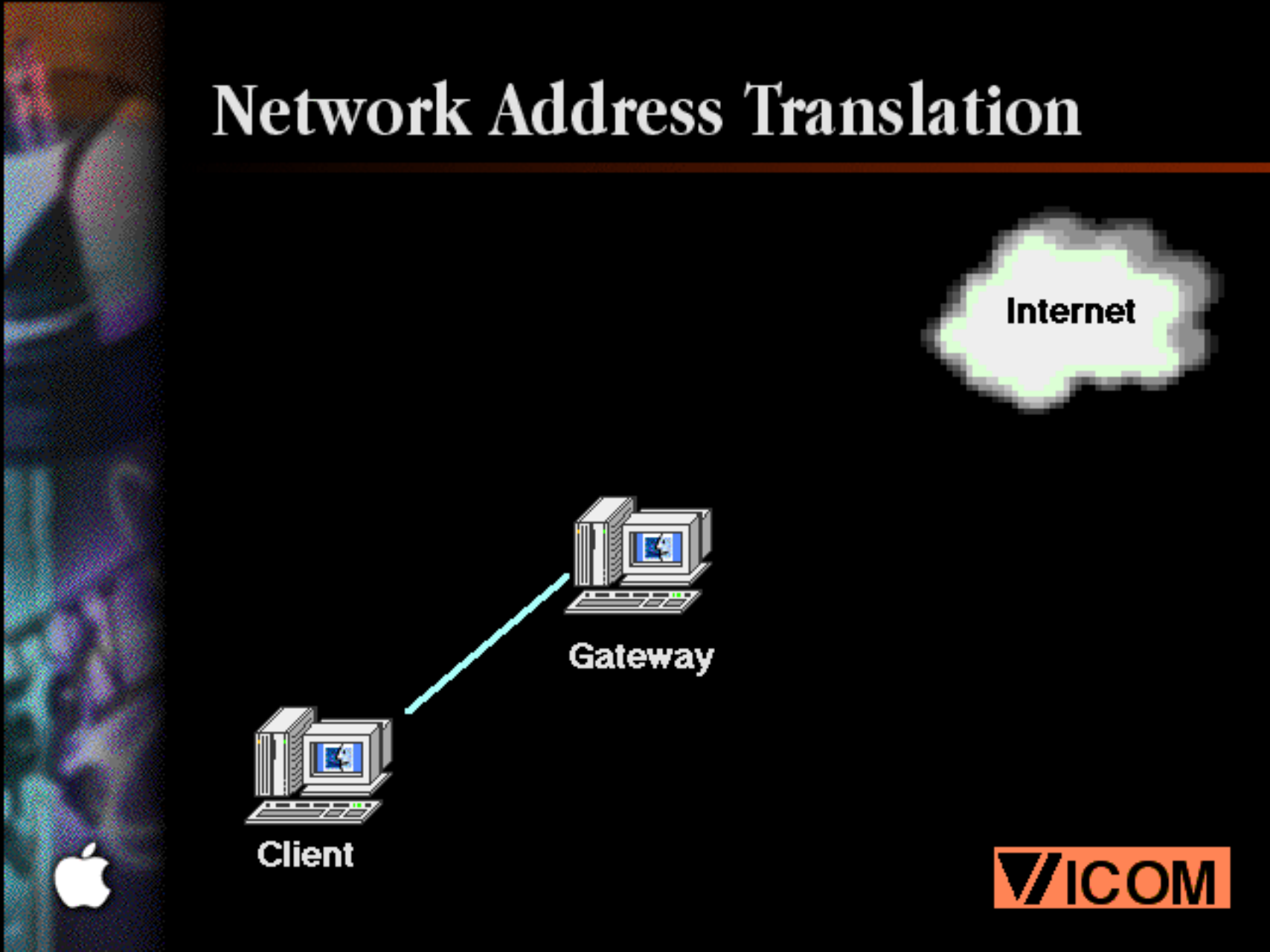
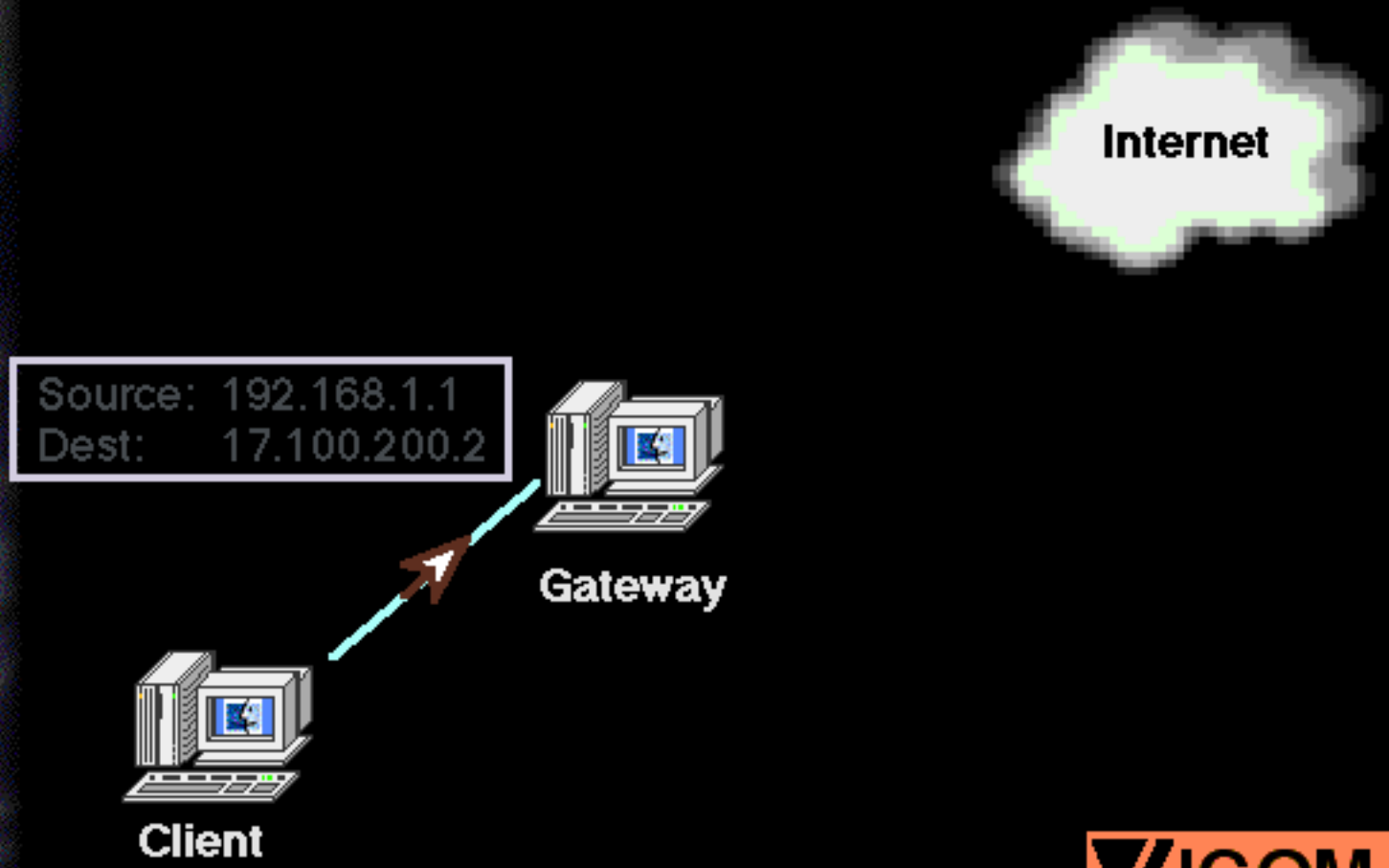
Network Address Translation



Network Address Translation



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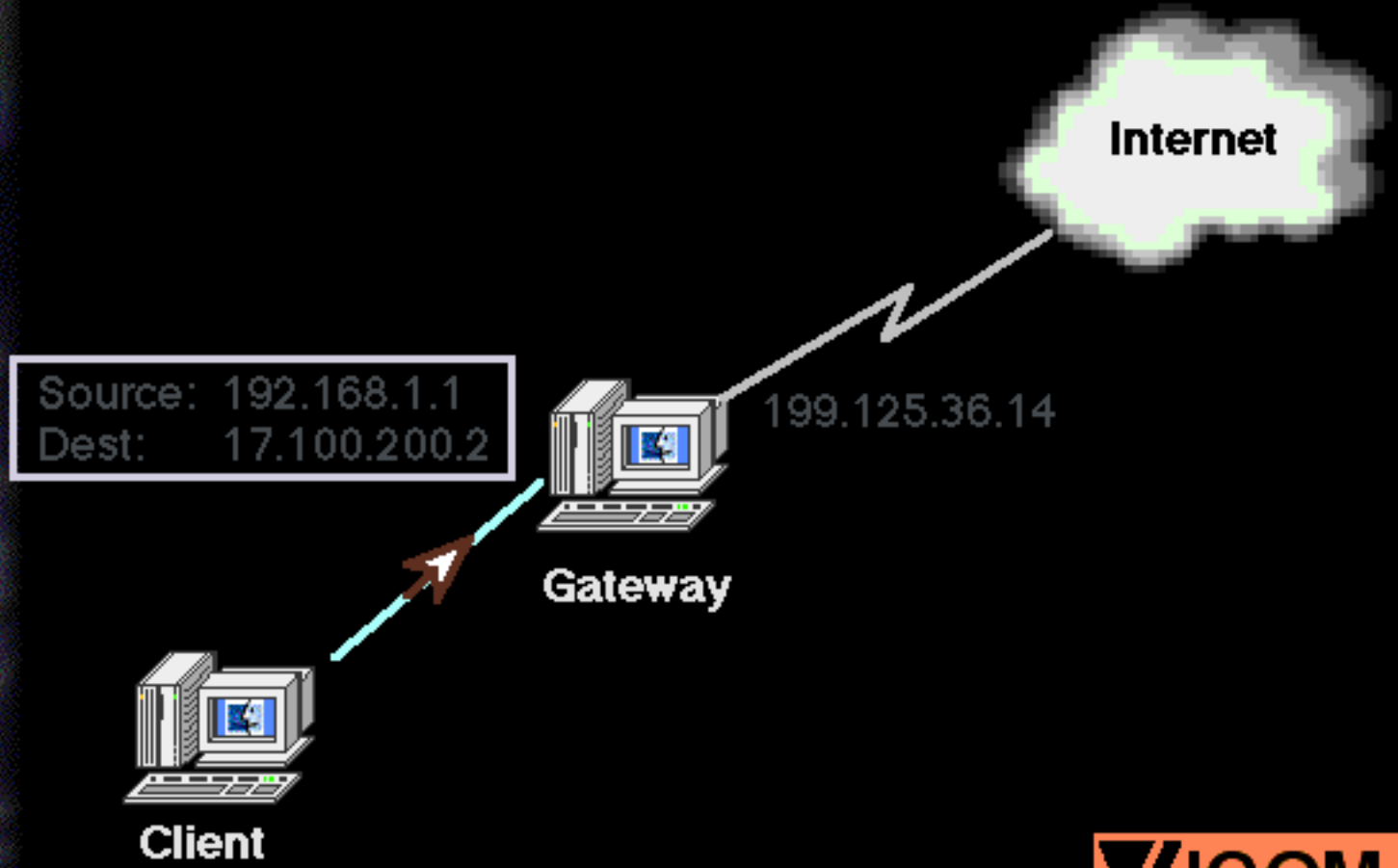

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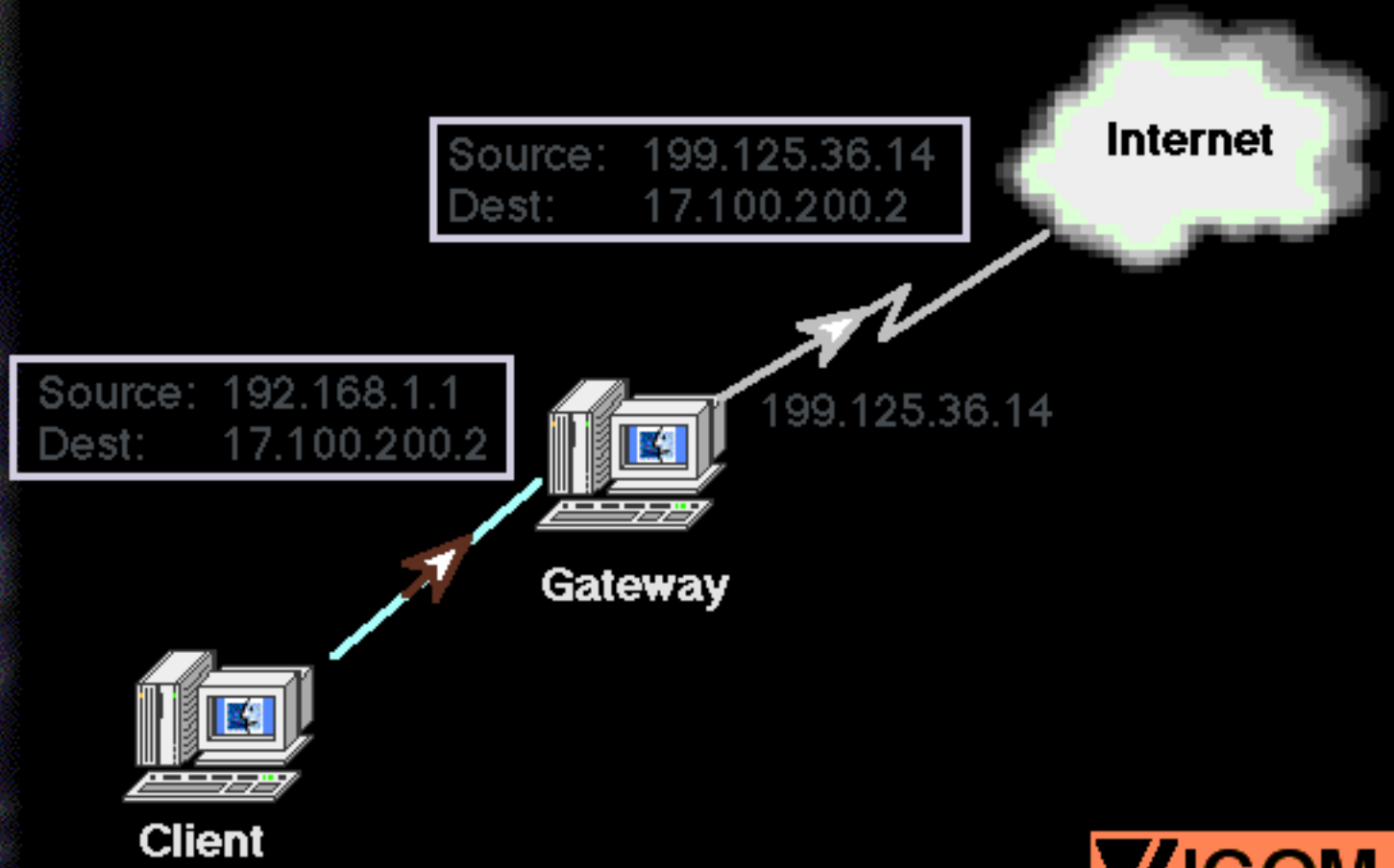
Network Address Translation



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Connect Clients to the Internet

VICOM Internet Gateway supports

- **Dial-on-demand using modem or ISDN**
  - PPP or SLIP protocol
  - PAP or login script
  - Inactivity time-out or sustained connection
  - Static or dynamic IP address
- **Leased line via modem or line driver**
- **Ethernet interface**
  - Cable modem
  - Router

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Configure IP Clients

Plug'n'Play IP configuration

- Auto-setup with VICOM's Internet Guru
- Reads your MacPPP or FreePPP config.
- Built-in DHCP Server manages client addresses

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Support for MacIP Clients

Built-in MacIP Gateway supports

- LocalTalk clients
- Apple Remote Access clients
- Clients behind AppleTalk-only routers
- Client-to-client connectivity
- Static or dynamic IP addresses

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Additional Features

- Internet access control
- Activity logging
- Remote dial-in server

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Internet Access Control

You can limit

- Clients that can trigger a connection
- Clients that can use the Gateway
- IP addresses that can be reached
- Specific host names that can be reached
- Host name ranges using wild card rules

✓ *.com
✓ *.edu

✓ www.sextant.com

✗ *sex*
✗ *guns*

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Activity Logging

You can track

- Time-stamped dial-up actions
- Host addresses reached
- Traffic volume matrix

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Remote Dial-in Server

Supports multiple PPP or SLIP dial-in ports

- User accounts are defined in Mac Users and Groups
- PAP or scripted access control
- Dial-in users access the same TCP/IP facilities as local clients

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Current Status

Version 3.8.3 bundled with AppleShare IP

- 5-user license with 5-user AppleShare IP
- 25-user license with other packages
- Free upgrader to version 3.8.4 will be available at http://www.vicomtech.com

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Version 3.8.4

New Features

- Multiple subnets on any ethernet interface
  - Internal and external networks can share the same interface
- More than eight Ports configurable
- CHAP support on dial-out
- Dynamic ethernet addressing for cable modems

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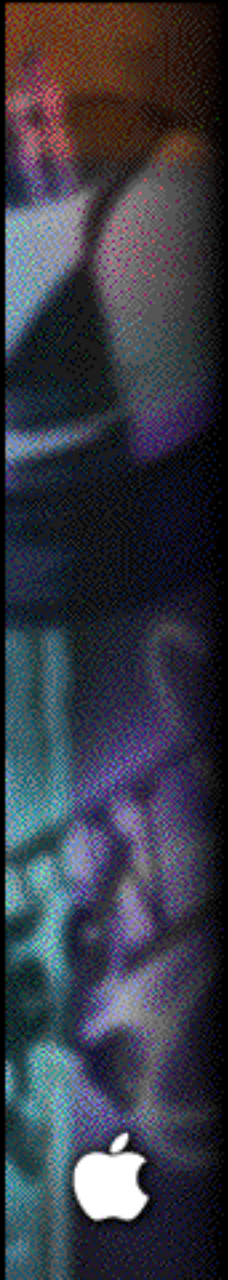

VICOM SoftRouter

The Internet Gateway's Entrant sibling

- Transparent multi-domain web hosting
  - Any client, any server
- No Network Address Translation

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VICOM Internet Gateway Brings to the Party…

Comprehensive TCP/IP networking support

- Shared Internet access
- Network Address Translation
- Hands-free network configuration
- MacIP gateway services
- Internet access control
- Remote dial-in

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Contact Information

- See our demo at Booth 111
- Use the Gateway in the e-mail area
- Visit our Web Site at http://www.vicomtech.com
- E-mail us at:
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  - sales_1@vicomtech.com
  - alan.hart@vicomtech.com

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Q&A

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