

# Steel-Belted Radius

## Centralized Authentication

### Server for Dial-In Users

*for NetWare and Windows NT*

Cimarron Boozer  
Funk Software, Inc.  
222 Third Street  
Cambridge, MA 02142 USA  
tel (617) 497-6339  
fax (617) 547-1031

# What is RADIUS?

- RADIUS: "Remote Authentication Dial In User Service"
- Standard (IETF Draft) method of communication between network access device (dial-in server) and authentication server
- Quickly becoming standard way to authenticate dial-in users

# Benefits of RADIUS

- Centralize administration of user information for all Remote Access Servers
- Support Remote Access Servers from a variety of vendors
- Maintain common security model and administrative interface

# What is Steel-Belted Radius?

- Complete implementation of RADIUS that runs on NetWare or Windows NT server
  - Radius authentication server
  - Radius accounting server
- Authenticates against existing databases
  - NetWare Directory Services (NDS) tree or NetWare 3.x user/group database for authentication
  - Windows NT domain or host authentication

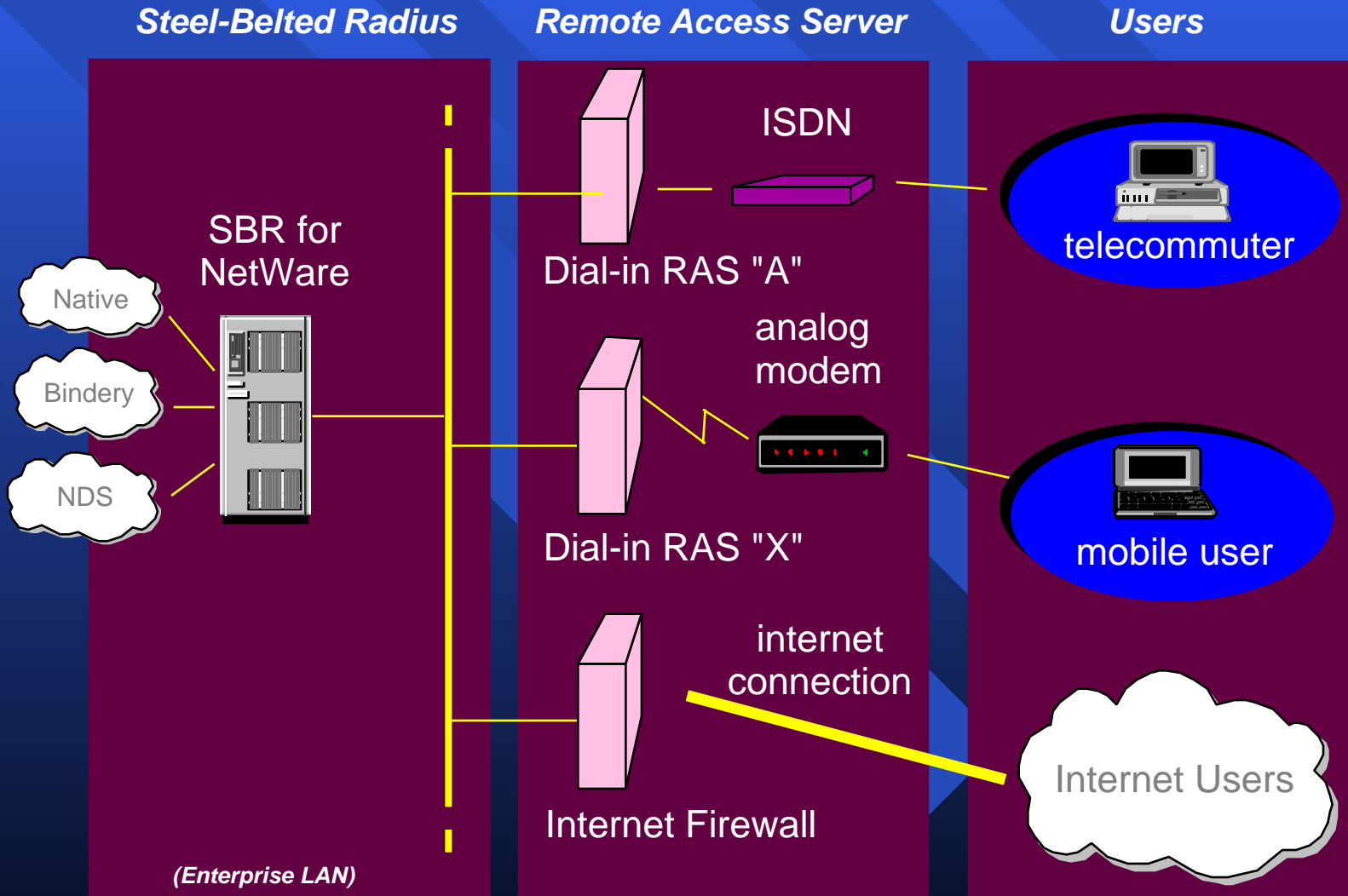
# Steel-Belted Radius Benefits

- Integration with NetWare or Windows NT authentication services
- Powerful "profiles" for user communities
- Real time information on current users and complete statistics
- Windows Admin program runs from anywhere on network

# NetWare Version

- Tight integration with NetWare
  - NetWare Directory Services (NDS) support for user, group, or context
  - NetWare 3.x (bindery) support for Bindery user or group
- Runs as NetWare Loadable Module (NLM) on NetWare server
- Windows 3.x/95/NT Administration via authenticated NCP connection

# NetWare Example

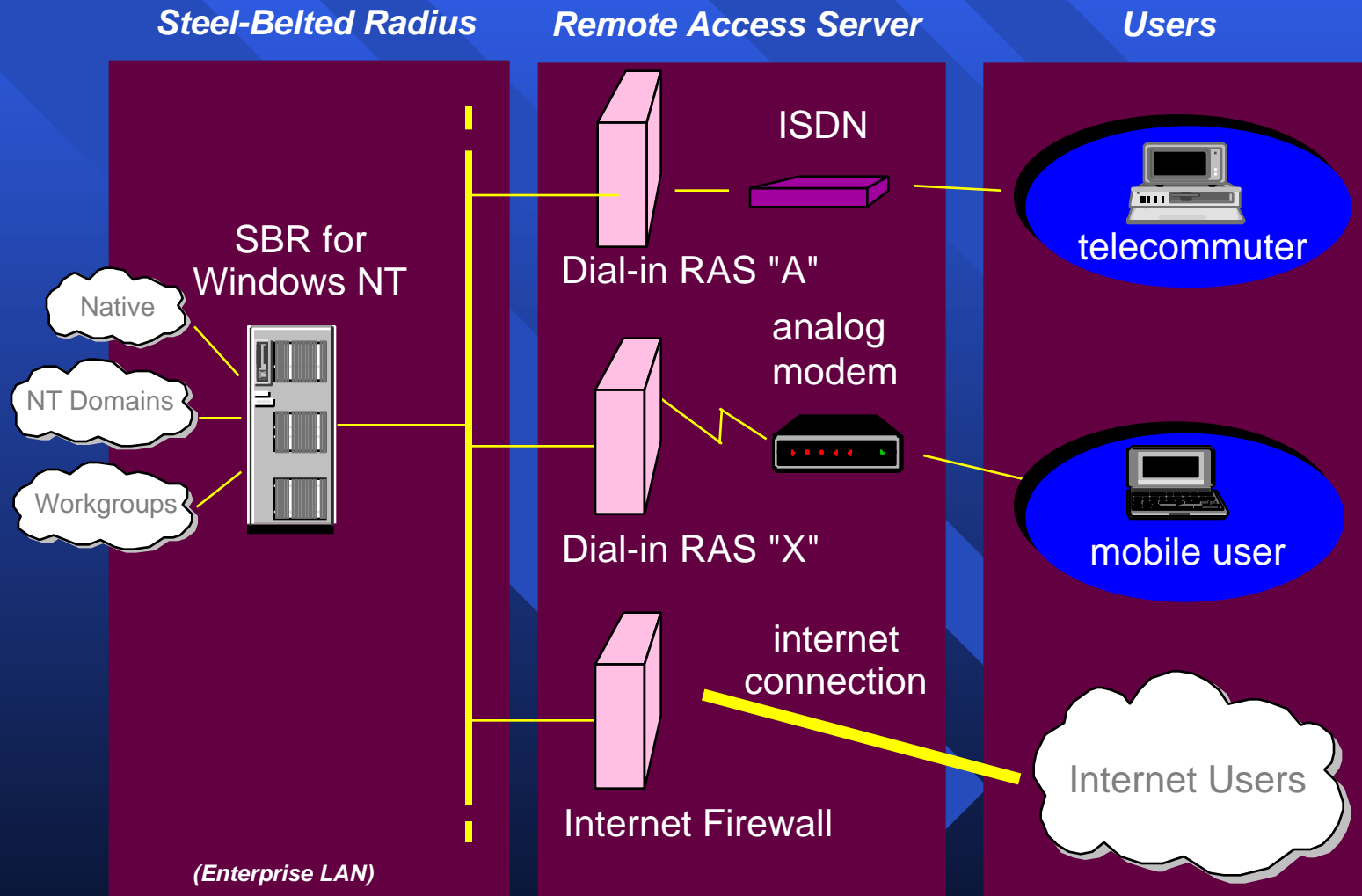


# Windows NT Version

- Tight integration with Windows NT networking environment
  - Domain support for user or group authentication
  - Workgroup support for authentication to host user lists
- Runs as Windows NT service
- Windows NT Administration via authenticated named pipes connection



# Windows NT Example



# Features of Steel-Belted Radius

- Fully RADIUS (IETF Draft 5) compliant
- Dictionaries for popular Network Access Servers (NAS)
- Uses MD5 shared secret
- Different shared secret for each NAS
- Log of all RADIUS activity
- Full RADIUS accounting support
- Status page with server activity, logged users, and statistics
- Full integration with NetWare or Windows NT authentication

# RADIUS vendor support

*Vendors with RADIUS support ...*

ACC

Access Beyond

ADC Kentrox

3Com

Ascend

Bay Networks

Cisco

Compatible Systems

DEC

Digi International

Gandalf

IBM

Lantronix

LeeMah

Livingston

Kasten Chase

Perle

Raptor Systems

Shiva

Telebit

US Robotics

Xyplex

# Steel-Belted Radius Availability

- NetWare Version - First Commercial Ship  
December 1996
- Windows NT Version - First Commercial  
Ship - Q1 1997
- Available through standard channels
  - Ingram, Tech Data, Funk Software VARs
  - Direct from Funk Software