



1990 Worldwide Developers Conference



AppleTalk Routing and the Macintosh

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AppleTalk Internet Router

- Software-based: runs in background of a Macintosh
- Data link independent: supports all Macintosh ADEVs

AppleTalk Internet Router



LocalTalk on printer
and modem ports



EtherTalk



TokenTalk

Third-party ADEVs


Future data links




AppleTalk Internet Router





- Multi-port: supports up to 8 directly connected networks
- Administered through a desk accessory
- Provides routing table and statistical displays

AppleTalk Internet Router

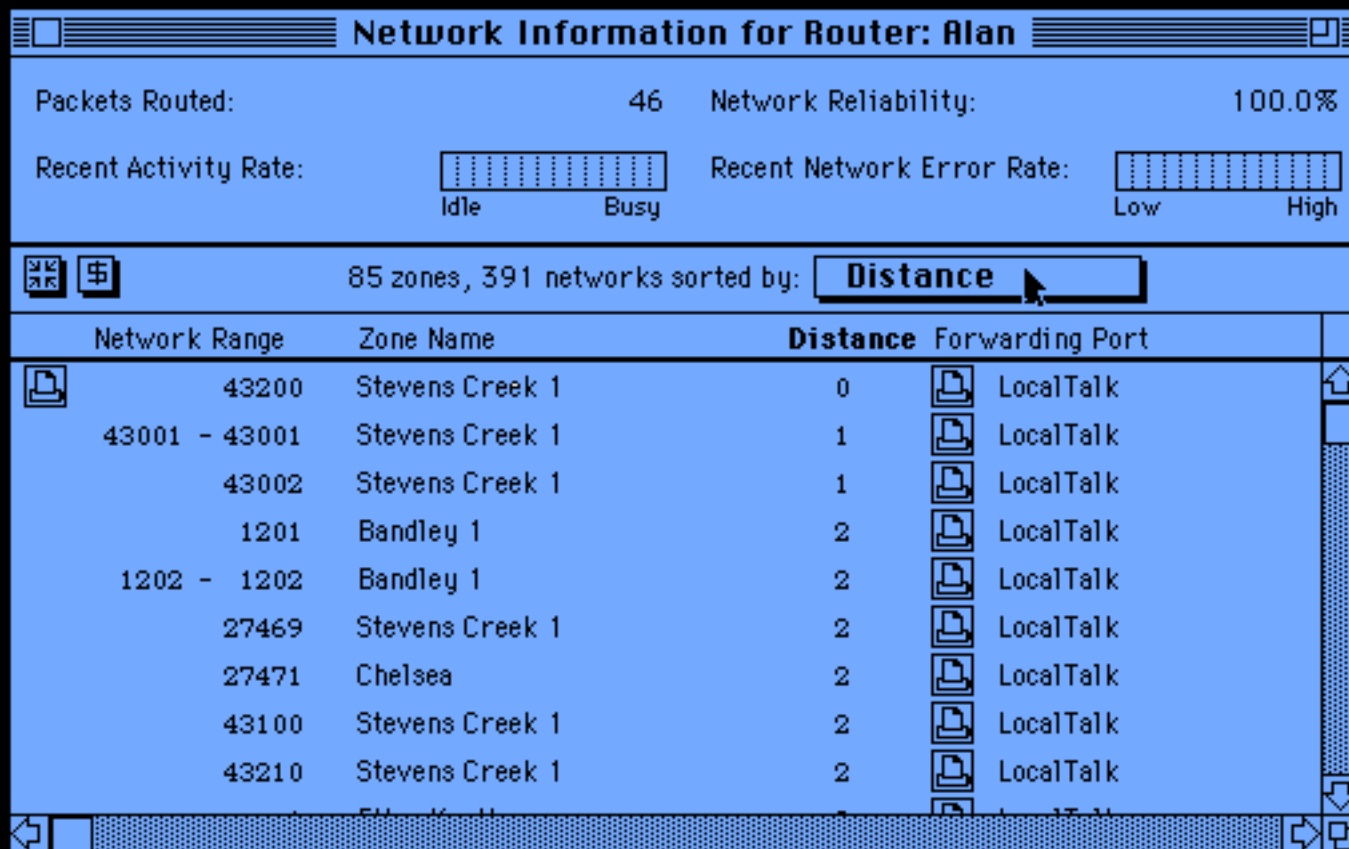
Setup for Router: Alan

 **Current Status:** **Off** **On** **Restart Status:** **Off** **On**

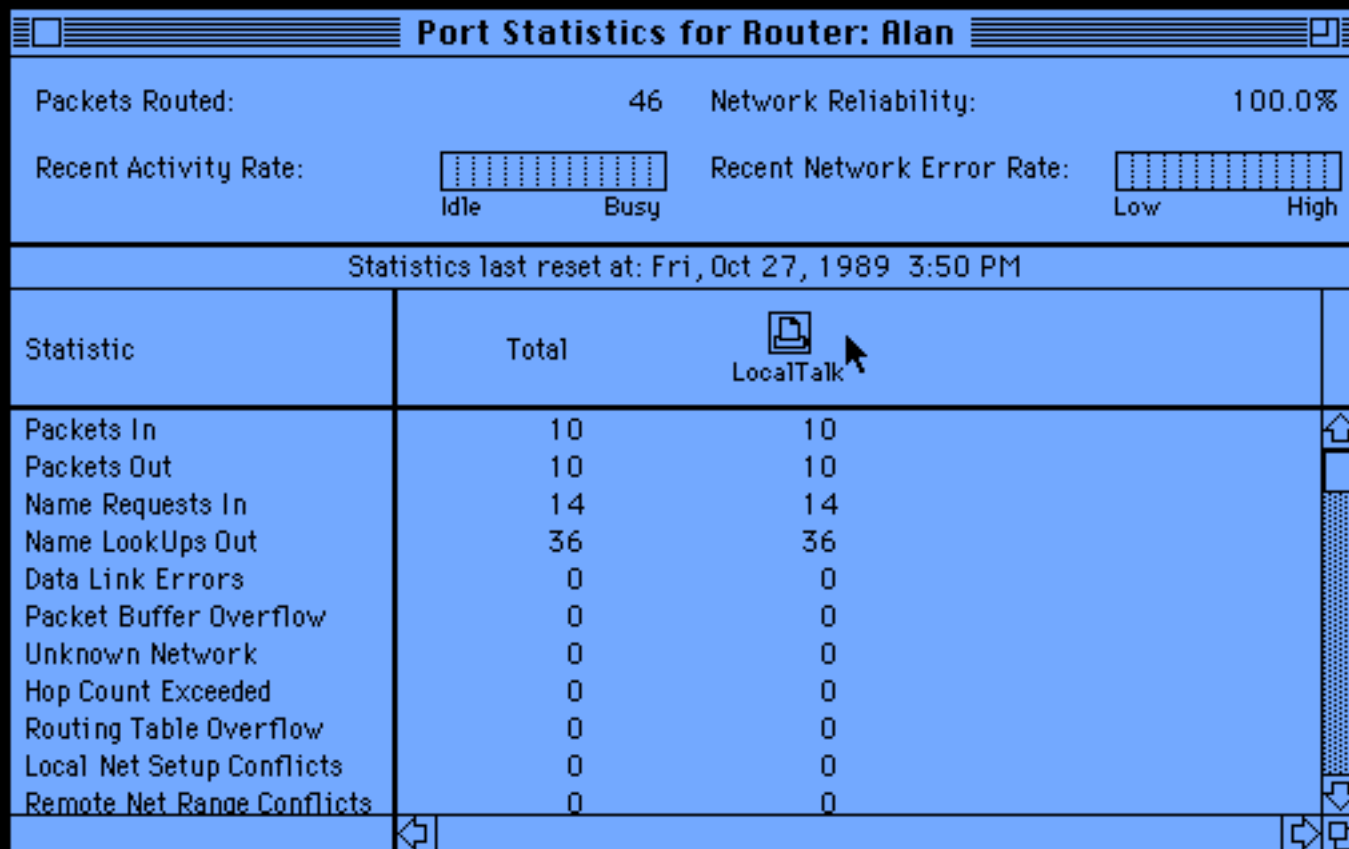
Port Name	Port Active	User's Port	Network Range	Zone Name(s)
 EtherTalk			<input type="text"/> <input type="text"/>	
 LocalTalk			<input type="text"/>	
 LocalTalk			<input type="text"/>	

Navigation:    

AppleTalk Internet Router



AppleTalk Internet Router



AppleTalk Internet Router

Cornerstone of AppleTalk
internetworking:

- Enables many current and future data links to be easily incorporated into the AppleTalk network system
- Provides reliability and performance benchmark

AppleTalk Internet Router

Cornerstone of AppleTalk
internetworking:

- Supplements, but does not replace third-party routers
- Serves as a springboard for future network management support

AppleTalk Internet Router

Includes “AppleTalk Phase 2 Upgrade Utility”

- INIT resource, installed in AppleTalk Internet Routers
- If detects Phase 1 router, translates Phase 2 routing packets back to Phase 1 on that network

AppleTalk Internet Router

Includes “AppleTalk Phase 2 Upgrade Utility”

- Allows incremental upgrade of all routers on internet
- Internet limited to single network ranges and zone lists until all routers upgraded

3rd Party Router Opportunities

- Hardware-based AppleTalk routers
- Hardware-based multi-protocol routers
- New data links and ADEVs for the Macintosh
- Value added services running concurrently with the AppleTalk Internet Router

Documentation

- “AppleTalk Phase 2 Protocol Specification” A.P.D.A.
- “AppleTalk Internet Router Administrator's Guide”
- “AppleTalk Phase 2 Introduction and Upgrade Guide”
- “Macintosh AppleTalk connections Reference, A.P.D.A.”



The power to be your best