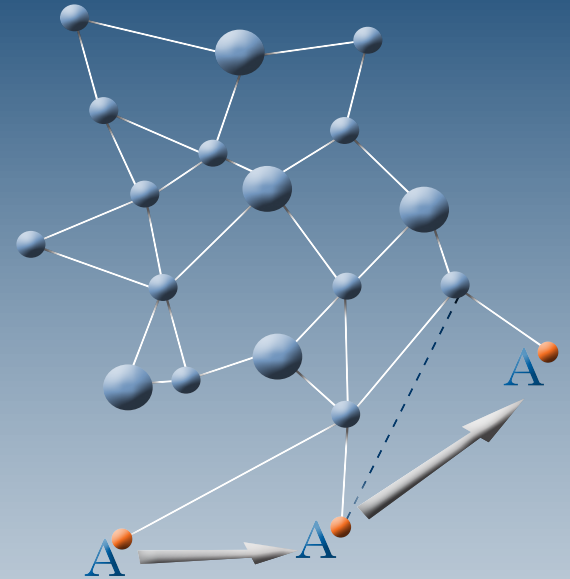


CoCo[®] Node software builds cutting edge networks that enable people in any mobile or fixed environment to share information securely and reliably.

CoCo Node enhances existing networks, is self-configuring for easy administration, and runs on PCs, laptops, PDAs, and smartphones. CoCo Node is federally tested, globally scalable, and creates self-organizing networks with no centralized infrastructure or points of failure.

- **Instant Deployment:** Create instant, secure networks in tactical situations where traditional networks may lack coverage or be tough to deploy
- **Intelligent Mobility:** CoCo's Mobile Ad-Hoc Network (MANET) routing will intelligently route network traffic in rapidly changing mobile environments
- **Mobile Multicast Routing:** Layer 2 bridging, IGMP support and PIM interoperability in mobile networks
- **Real-time Video and VoIP:** Multicast camera bridging enables secure streaming video and VoIP to wireless devices
- **Network-Level Security:** CoCo provides certificate-based security for every device and secures communications at the network, not the application layer; all communications are secured at the link and end-to-end levels to protect against man-in-the-middle and other attacks
- **Disaster Tolerance:** When connectivity is damaged or reduced, CoCo Node provides the necessary services to keep your IP applications running with no centralized infrastructure
- **Seamless Fail-Over Routing:** Allows you to maintain a consistent internet presence when transitioning from one transport to another to maintain a single IP address
- **Network Extension:** Every device automatically adds its own Wi-Fi coverage and shares all of its network connectivity (e.g. backhaul) with the rest of the network



Why CoCo Networking?

Mobile - Delivers data in challenging, complex mobile situations

Federally Tested - Tested and used by the U.S. Coast Guard, U.S. Army and U.S. Navy. Tested at the Defense Interoperability Communications Exercise (DICE) in 2006, at the DoD Joint Interoperability Test Command (JITC) in 2007; and is FIPS 140-2 validated

Scalable - No limit to the size or location of your network

Disaster-Proof - Completely distributed, resilient networks that are not dependent on fixed infrastructure single points of failure

Open - Seamlessly supports existing IP applications

Instant and continuous network communication

CoCo Node

NETWORKS WITHOUT BOUNDARIES

CoCo Node helps your networks communicate in the ways people do: *directly, confidentially, and independently.*

- **Add mobility to your existing devices** – CoCo Node runs on many platforms, PCs, and IP-enabled devices to extend your enterprise applications into the most difficult to reach environments. CoCo Node solves mobility problems even in situations where Mobile IP and IPv6 are challenged.
- **Avoid costly IT development** – CoCo Node combines MANET, VPN, and distributed infrastructure capabilities to save you time and money over in-house integration. All standard IP-based applications will run seamlessly on top of the CoCo overlay.
- **Deploy quickly** – A quick install process using one-click Windows setup, Debian repositories and support ensure deployment is easy, fast, and straightforward.
- **Build your own devices** – CoCo Node is OEM ready and runs on Windows Mobile, Windows XP, and Linux, enabling OEMs to build their own custom mobile, secure, MANET devices.

Version

4.6

Operating System Support:

Windows XP SP2, SP3, Windows Server 2003 SP1, SP2, Windows Mobile 5.0 & 6.0, Linux

Wireless Card Support:

3G, IEEE 802.11 (900MHz, 2.4GHz, 4.9GHz, 5GHz)

Multicast Support:

IGMP, PIM interoperability

Default Security Configuration:

- End-To-End Cryptography
Pluggable Cryptographic Suites - Default Algorithms: AES-128, Diffie-Hellman, Key Exchange, SHA-1; other algorithms possible
- Link Cryptography
Pluggable Cryptographic Suites - Default Algorithms: HMAC-SHA1, Diffie-Hellman, Key Exchange; other algorithms possible

Crypto Certifications:

FIPS 140-2 validated (cert. #11111)

FIPS 201 in process

Evaluations:

JITC DICE 2006, 2007

Routing Algorithm:

CoCo proprietary modified distance-vector protocol

Mobile Routing:

Supports fixed and mobile nodes

Layer 2 Link Establishment:

Ethernet (802.3) or Wi-Fi links in a common broadcast domain

Layer 3 Link Establishment:

Over UDP/IP connectivity

Network Access Control:

Service & group-based access control

Type of Service Support:

Voice and video traffic prioritized ahead of data

Scalability:

Globally scalable – routing tables scale with $O(n \log(n))$, where n is the number of nodes in the network

Transport Independence:

Media agnostic transport mechanism extends mesh topologies to Ethernet

Transport Independence Handoff:

Provides seamless mobility and network resilience through transport independent handoffs and dynamic mesh reconfiguration

Network Monitoring:

SNMP routing of standard MIB data

To learn more visit us at www.cococorp.com or call a CoCo sales representative at 1-866-575-4128



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