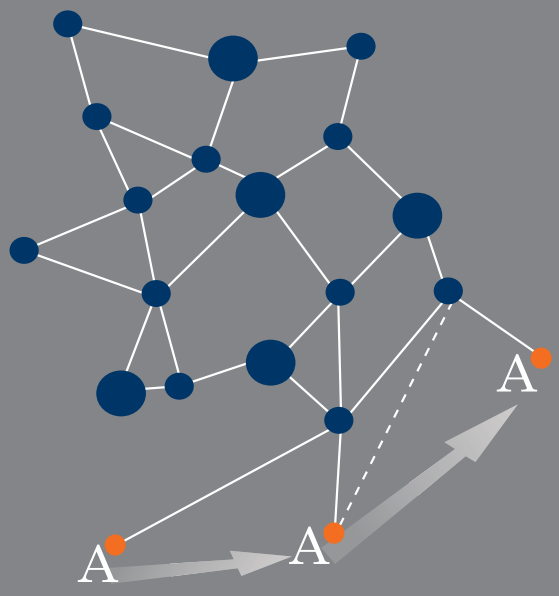
CoCo Node

A NEW APPROACH TO NETWORKING

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:** IGMP support and PIM interoperability in mobile networks
- **Real-time Video and VoIP:** Use the CoCo network to share 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 US Coast Guard, Army and Navy; at the Defense Interoperability Communications Exercise (DICE) in 2006 and 2007 at the DoD Joint Interoperability Test Command (JITC); 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 and Debian repositories and apt 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
4.5

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)

Mulitcast Support:
IGMP, PIM interoperability

Default Security Configuration:

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

Certifications:
FIPS 140-2 validated (cert. #1021)

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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CoCo Communications Corp. | 999 3rd Avenue | Suite 3700 | Seattle, WA 98104 | 206.284.9387 | www.cococorp.com