

# MOBILE FIRST NETWORK SOLUTIONS

## ARUBA NETWORKS

### Secure Network Access & Endpoint Connectivity

The Aruba Mobile First Network delivers IT solutions that empower organizations to serve GenMobile – mobile-savvy users who rely on cloud-based business apps for every aspect of their work and personal lives – and to harness the power of insights to transform business processes. With infrastructure services offered as software from the public or private cloud, Aruba enables secure connectivity for mobile and IoT – under one roof. Aruba allows IT professionals to build networks that keep up with these changes by migrating away from expensive-to-operate and proprietary infrastructures, which were originally designed for fixed network connections within the physical connections of the corporate headquarters.

### Learn More Today

Contact [Sales@CopperRiverIT.com](mailto:Sales@CopperRiverIT.com) or 703.234.9000 for more information.



**aruba**  
a Hewlett Packard  
Enterprise company

[www.CopperRiverIT.com](http://www.CopperRiverIT.com)



### Serving the Needs of GenMobile

The surge in mobile and IoT means that the wired and wireless network must deliver more than just connectivity—the network is expected to provide actionable insights about the use of mobile and IoT to justify future investments, so that businesses can adopt new technologies and serve the needs of GenMobile—while keeping the network secure and without breaking the budget. Aruba Mobile First Networks are optimized for today’s enterprise and SMB environments where mobile and IoT are pervasive.

### Aruba Mobile First Platform

Aruba Mobile First Platform is the software layer between the Aruba network infrastructure and is designed to share rich, contextual insights with third party business, IT and end user facing applications.

- **Network Controls: ARUBAOS** - designed to primarily support enterprise wireless connectivity with hitless failover, in-service upgrades, and more, ArubaOS 8.0 can be deployed as a virtual machine (VM) on a server appliance to manage controller-based wireless LANs, significantly easing the consumption model. ArubaOS 8.0 is developer-ready and can share contextual information about mobile and IoT devices via its northbound API.
- **Network Management: ARUBA AIRWAVE** - centrally manage controller-based and controllerless wireless networks and generations of wired networks from just about any vendor. With granular visibility on mobile device and app health, AirWave lets IT operations focus on proactively optimizing performance and heading off problems before they occur.
- **Policy Management: ARUBA CLEARPASS** - policy management for mobile and IoT are delivered via Aruba ClearPass across any wired or wireless multi-vendor network. As an Aruba Certified ClearPass Professional Service provider, Copper River designs and implements Authentication and policy enforcement using Aruba ClearPass Policy manager.

## Company Overview

Since our inception, Copper River Information Technology continues to transform the way our clients do business. As a Federally Recognized Alaskan Tribal Disadvantaged Business, owned by the Native Village of Eyak (NVE), we deliver high-performance IT solutions and services based on our unique advantage of holding elite-level partnerships with today's most innovative technology manufacturers. We combine these impressive product portfolios with our extraordinary engineering, design and professional services expertise to craft a complete, end-to-end technology solution unique to our clients' needs. Some of the innovative solutions and services we offer enable Cyber Security, Data Center & Cloud Architectures, Enterprise Networks and Mobility.

## At a Glance

- Federally Recognized, Alaskan Tribally Owned Disadvantaged Business
- Founded in 2006
- ISO 9001:2008 Certified
- SBA 8(a) Graduate | 2015

## Contract Roster

- *Federal Vehicles*
  - NASA SEWP V (Prime Group C&D)
  - Navy SPAWAR
- *State, Local & Education Vehicles*
  - Maryland Education Enterprise Consortium (MEEC)
  - State of Tennessee MBE
  - State of Wisconsin MBE
  - Virginia Information Technologies Agency (VITA)

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- **Cloud Networking: ARUBA CENTRAL** - manages, monitors and secures wired, Wi-Fi and wide area networks from the public cloud. Thanks to its multi-tenant operation, it enables end users to support multiple disparate networks from a single location. With the introduction of app visibility reporting, predictive monitoring, and Wi-Fi analytics capabilities, it offers increased flexibility in adopting the Aruba Mobile First Networks infrastructure within the distributed enterprise.
- **Location-Based Services: ARUBA MERIDIAN** - enables location-based services powered by Aruba Beacons. With wayfinding built into your Meridian-powered mobile app and Aruba Beacon hardware, you can guide guests with real-time, indoor navigation to nearby amenities, products or points of interest. Location sharing among the users of a mobile app can now also be powered by Meridian — improving GenMobile's experience at a public venue or at work.
- **Network Analytics: ANALYTICS & LOCATION ENGINE (ALE)** - business leaders can get access to beacon powered presence analytics and success rate of pre-defined goals using the power of Meridian. The new Meridian Goals brings a greater level of insights about user engagement, going beyond simple monitoring of beacon analytics for dwell times at a specific location. Better insights for developers means increased usability for mobile users and more impactful engagement campaigns.

## Aruba Mobile First Infrastructure

- **Access Points** - Aruba 802.11ac wireless access points deliver superb Wi-Fi performance – they can be deployed as controller-managed or controllerless Aruba Instant APs depending on the design, scope and scale of your wireless network. And our newest Wave 2 APs deliver fast 11ac speeds with a HPE Smart Rate multi-gig uplink to boost network performance in high-density environments.
- **Remote Access Points** - Aruba remote access points extend the same corporate user experience to small branch and remote sites with a solution that's easy to deploy and manage. They come preconfigured, so employees simply plug in to any existing Internet connection and they're ready to go.
- **Mobility Controllers** - Aruba Mobility Controllers offer centralized network engineering, IP services, security and policy controls, and app-aware platforms. In addition to network control, they can be deployed as branch gateways, VPN concentrators, WIPS/WIDS and spectrum monitors, and stateful network firewalls with integrated content filtering.
- **Access Switches** - Aruba switches bring performance and reliability to the mobile-first campus. These industry-leading switches are scalable, secure, and feature HPE Smart Rate multi-gigabit ports for high-speed connectivity.

## COPPER RIVER INFORMATION TECHNOLOGY, LLC

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