



PERSPECTIVES ON MOBILE SECURITY IN HEALTHCARE

SECURING HEALTHCARE APPS IN A BYOD WORLD

Blue Cedar is the only security solution that protects the most vulnerable part of your healthcare organization's mobile devices—the app—in minutes.

No code to write, no containers to build.

84% OF CYBERATTACKS HAPPEN AT THE APPLICATION LAYER¹

HEALTHCARE MOBILITY IS THE REALITY

Mobile devices and apps connect healthcare professionals to each other and to patient data. They connect patients to health providers, researchers, and personal health.

- Over 65 percent of medical professionals believe mobile and multi-device "anywhere access" to patient data is important in helping patients.
- Most are using their own devices to access and share patient information from offsite, but believe that the time it takes to login and authenticate negatively influences their work.
- Over 80 percent believe mobile access is not as secure as it should be (HIMSS Analytics/Citrix²).
- 58 percent of mobile phone users have downloaded a health app for tracking personal health (JMIR³). They may also be using digital therapeutics, which converges specific therapies and behavior change.

Yet healthcare organizations are wary of mobile app adoption, especially in BYOD use. Up to now, apps have been secured through IT workarounds such as containers, otherwise they would be vulnerable to cyberattack. The methods used have usually made it awkward for users in requiring multi-factor authentication that takes valuable clinician and patient time.

BLUE CEDAR BUILDS SECURITY DIRECTLY INTO THE APP

Blue Cedar's approach is different. We secure the app. Instead of using containers and sandboxes around the app, which can be compromised, Blue Cedar injects security directly into the app. It takes minutes for IT to execute and secure the app—no code to write, no containers to build. Wherever the app goes, security goes. One touch on the screen, and the app runs.

WHY BLUE CEDAR?

Seriously Secure

Protects medical data, PHI, and PII with military-grade encryption, both on the device and in-transit through the network.

Low Cost and Fast to Market

Saves IT developer time by embedding security code into apps in development or compiled. Enables quick adoption of third-party apps.

Speed and Convenience

One-touch authentication and single sign-on save critical login and launch time for medical professionals and patients.

Prevents Compromised Device Access

Checks for device vulnerabilities and validates the device posture before the app runs. Compromised or jailbroken devices are blocked from access to secure infrastructure or the cloud.

Easy App Distribution

Permits app downloads from enterprise sites or public app stores like the Apple App Store and Google Play. You control who downloads and when based on your policies.

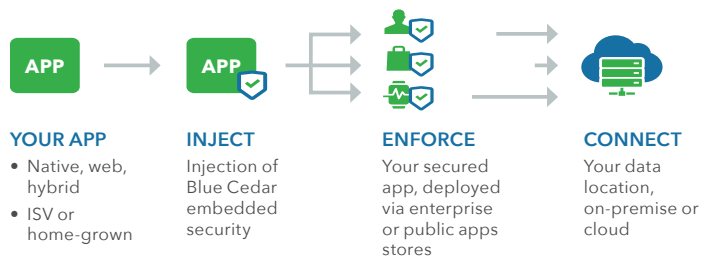
Prevents Misuse

Enforces organizational policies on data/information sharing, network access, cut/copy/paste controls, file viewing, and browsing.

Analytics for Compliance and Outcomes

Provides granular analytics about users, app usage, devices, and OS for HIPAA compliance and quality measurement.

HOW IT WORKS



INJECT

Secure a mobile app in minutes, without changing your SDLC.

- The Blue Cedar console injects security code into any unsigned app binary
- Upload an app and choose policies. It's secured and signed in minutes
- No coding required--RESTful APIs allow Blue Cedar to integrate with existing SecDevOps

ENFORCE

Security that follows the app wherever it goes.

- With Blue Cedar, you inject a full IP stack, IPSec client, secure web stack and FIPS 140-2 Level 1 compliant crypto module into every app that enforces enterprise policy around authentication, encryption, data sharing, and device posture.
- App users don't even know it's there
- Enables true "tap-and-go" ease of use and direct to user distribution of apps through enterprise or public app stores

CONNECT

Per-app microtunnel connectivity to data wherever it resides.

- Blue Cedar's gateway enables secure access to trusted infrastructure and is available as a soft appliance or in a hardened, 1U form factor
- Enables per-app microtunnels that encrypt data-in-transit, and is designed specifically to handle the unique needs of mobility
- Blue Cedar integrates with enterprise IAM, SIEM and PKI infrastructure so you can be up and running quickly, without exposing critical infrastructure to the public network

**To find out more about our healthcare solutions, contact:
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USE CASES

When your organization secures health apps with Blue Cedar, they become easy to use, improving compliance and healthcare outcomes.



Health Systems and ACOs

Improve patient care with fast, friction-free clinician access to patient information from organization-provided or personal mobile devices. Enable wide distribution of patient record access, scheduling, and health management apps.

Payers

Allow policyholders to access and download health management apps via your website or public app stores.

Life Sciences and Pharmaceutical Clinical Research Organizations

Support patient access and digitization of data in clinical trials, whether through issued or personal mobile devices. Track medication/procedure usage and compliance in behavioral or therapeutic apps.

Medical Device Manufacturers and Developers

Distribute health management or therapeutic apps via your website or public app store to use on personal mobile devices.

SOURCES

¹Most Cyber Attacks Occur From This Common Vulnerability, SAP Voice, Forbes, March 10, 2015

²Bring Your Own Tech to Work: Risk, Rewards, and Realities for Healthcare, Citrix and HIMSS Analytics, August 2017

³Health App Use Among US Mobile Phone Owners: A National Survey, JMIR, Nov 2015

ABOUT BLUE CEDAR

Blue Cedar transforms enterprise mobility with the industry's most innovative mobile security solution. By securing the app rather than the device, Blue Cedar gives enterprises robust, consistent protection of corporate data across both managed and unmanaged devices, without the cost, complexity, or privacy impact of device level security. Blue Cedar's "follow the app" security sets enterprises free to fully realize the benefits of secure mobility for both employees and customers. © 2017 Blue Cedar Networks. All rights reserved.