REDWALL
TECHNOLOGIES LLC

Military-Grade Mobile Security

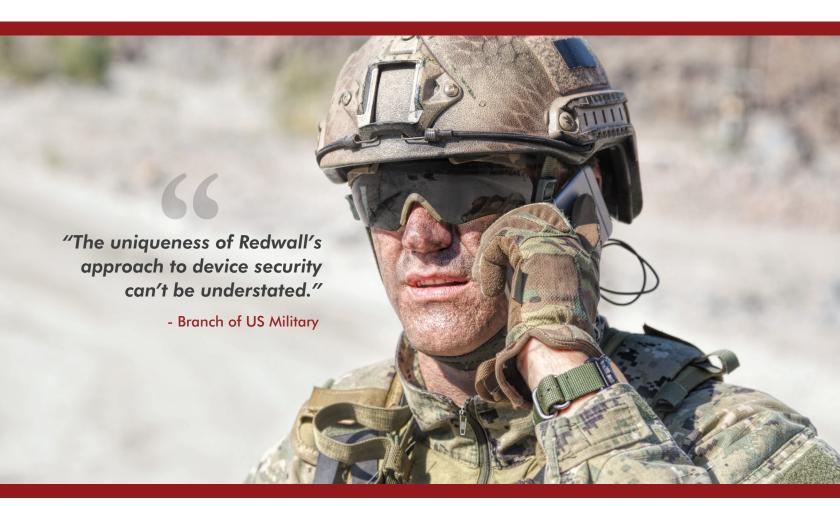> " *"The uniqueness of Redwall's approach to device security can't be understated."*
>
> - Branch of US Military

Built for the Military and First Responders

The prototypical Redwall Technology® user is a first responder in a disaster zone or member of a military operations team engaging in matters of national security whose field communications require adapting to fast-changing environments and threat landscapes. Relegating these operatives to devices vulnerable to rooting and malware is unacceptable, and at last a solution exists in Redwall Mobile®. Redwall is dedicated to serving the needs of defense, intelligence, and first-responder communities, and offers defense-centric features and functions ranging from covert modes to special cryptographic devices.

Multi Mission, Multi Persona

Dual persona simply doesn't cut it anymore. Redwall Mobile® allows for any number of distinct personas, each with its own securely isolated apps, data, settings, authentication requirements, and policy that defines which processes can access which system features, drivers, files, and networks. Redwall-enabled devices are easy to operate, requiring nothing more than a soft boot to switch between modes, which eliminates distracting procedures and allows the user to remain fully focused on the mission at hand.

The Ultimate in Military-Grade Device Security

Redwall Mobile's® patented N-Persona Technology effectively turns one smartphone or tablet into as many device modes as desired, each with its own apps, data, settings and security posture. Redwall Mobile® consists of modifications to the Linux kernel and Android operating system plus additional functionality. Redwall Mobile® is compatible with a wide variety of devices and technologies, which sets it apart from other software application-based solutions. There are features, however, that even combinations of all available device security technologies cannot match Redwall Mobile.

Temporal Isolation In Addition to Cryptographic and Other Methods

Cryptographic and temporal isolation ensure there is no possibility of contamination across modes. It is as if the user is carrying separate devices within a single device. Contrary to containerization where sandboxing or virtualization is employed, these methods cannot provide the level of isolation available in Redwall Mobile®. Those containerized solutions still leave sensitive data in memory, making them highly vulnerable. Dedicated devices like the Blackphone are not the answer, requiring users to carry multiple devices for different roles or different levels of security. Redwall Mobile® consolidates all the features of a military-grade locked-down device with multiple personas in a single device. Our off-the-shelf devices are suitable for BYOD, reducing cost and complexity, all in a single device.

Redwall Mobile® consumes minimal system resources and users don't know the device is hardened with military-grade protection.

Redwall Mobile® Technology:

- Has been commercially deployed domestically and internationally for more than two years
- Has blocked 100% of all zero-day attacks and malware for two years running
- Is completely configurable, from the number of modes to the availability of device resources
- Has also been deployed on IoT devices and is applicable to most connected devices