

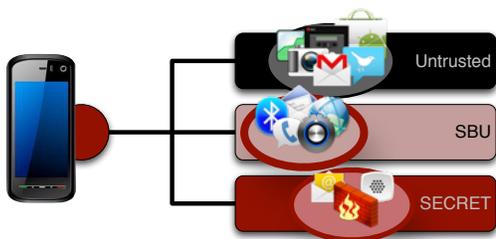


**KEEPING OUR FORCES SAFE...**

**AND OUR BUSINESSES SECURE.**

Redwall Mobile® is a security technology that protects devices from the hackers, viruses, and other malware that have surfaced to target mobile phones, tablets, and other small electronics such as industrial and vehicle control systems. Users with the Redwall Mobile solution can finally protect themselves from attackers that listen to their conversations, spy on their location, and read their personal data such as emails or online banking details. Enterprise users who conduct sensitive business using their devices can protect themselves from the wide range of rapidly growing mobile attacks.

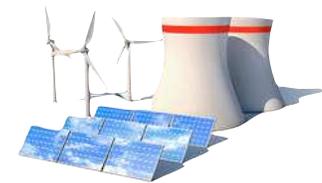
Users like the convenience and features of modern smartphones, and use mobile operating systems for everything from tactical operations to accessing corporate VPNs, but the security risk is unacceptable in many situations. This has led many system administrators to lock out mobile devices, or lock them down to the point where they are no longer useful. Many users even carry multiple devices for different situations, allowing one device to spy on the other.



### MILITARY AND GOVERNMENT

Redwall Mobile® allows mission and theatre-specific policies to be both built into the device and securely updated in a tactical environment, along with files, applications, and other data.

- Allows for separation between a personal use policy and other more trusted policies
- Supports controlled, intentional cross-domain information passing
- Designed using NIAP Protection Profiles, NSA Mobility capabilities package, and well as applicable DISA STIGS and SRGs
- SDK features built-in crypto including SHA-2 and AES-GCM



### BUSINESS AND CNI

Business owners looking for compliance to standards like PCI DSS, HIPAA, or SOX can use Redwall Mobile to meet the growing number of Governance, Risk and Compliance (GRC) issues. Critical National Infrastructure organizations such as telecommunication and utility providers will appreciate the security posture on a platform that employees will not complain is limited or locked down.

Redwall Mobile® will keep your business-critical data securely separated from the user's personal or untrusted business usage of their smartphone.

### REDWALL MOBILE® DEPLOYMENT

Other solutions look for known vulnerabilities, or require intense engineering efforts to design a platform for a specific situation. Redwall Mobile, however, effectively turns one device into many, each with its own security policy. For example, a phone could have a personal-use policy for use at home and on breaks, but an enterprise policy for use at work and while connected to a corporate network. Under the hood, the platform does not need to be re-engineered to support these multiple policies, and the enforcement is behavioral rather than taxonomic. That means it is equally effective against zero-day and unknown attacks as it is against known viruses and malware.



## KEY ADVANTAGES

- **Uses behavioral vs. taxonomic analysis**

Whereas most solutions focus on specific known threats, Redwall Mobile® instead focuses on how a system should behave when not under attack or influence by an adversary, and considers anything else a danger.

- **Supports multiple, flexible security policies**

Redwall Mobile allows for multiple, distinct policies that define which processes can access which system features, files, and networks.

- **Biomorphics for increased robustness**

Any good Information Assurance product uses a defense-in-depth approach to add as many layers as possible and increase the effort required by any adversary. Redwall Mobile uses the concepts of diversity and maneuver in computing, called Biomorphics, to change the way the device's memory is laid out and alter the way the same file is delivered to the different devices, which makes attacks even more difficult by making each device unique. Instead of one device to study for a weakness, hackers have millions.

- **Easily ported to new systems**

Redwall Mobile is easily portable from device to device. Consumer devices change quickly, and spending a year or more to move from one device to another, and working with device manufacturers to expose their most intimate design details, is not practical at the pace technology moves. Furthermore, Redwall Mobile does not require developers to re-architect their systems or change their applications in any way to take advantage of the new level of security the solution affords to them.

## TRUSTED, SAFE, SIMPLE

Smartphone users today operate at multiple security levels and deal with multiple threats and situations. Users require a single device that can operate at different security levels and deal with different security situations.

Redwall Mobile® augments an Android platform with low-level security features, and adds the ability to configure multiple security policies. Those policies can be tailored to provide specific features or restrictions, and the ability to switch to other policies.

The optional addition of Redwall's adaptive policy server delivers a complete, robust, trusted, and extremely portable security solution. Redwall Mobile can be implemented on a variety of fixed and mobile devices with a modicum of engineering effort.

Redwall Mobile is available in both ready to use and customized licenses which include all source code. The source and associated documentation allow defense systems integrators, handset manufacturers, chipset providers, and communications module suppliers to integrate Redwall security technology with a variety of target platforms.

FEATURE	REDWALL MOBILE®	VIRTUALIZATION/ HYPERVISORS
Defends against known viruses	✓	
Defends against unknown malware of any kind	✓	
Defends against audio snooping and eavesdropping even when not in an active call	✓	
Defends against location spying via GPS and other methods	✓	
Defends against attackers taking remote control of device	✓	
Holistic defense for entire device and all apps	✓	
Does not require redesign or re-engineering for each environment and each threat discovered	✓	
Does not require the operating system to be bug-free and trusted	✓	
Allows for static MAC-based security policies	✓	
Allows for dynamic MAC-based security policies	✓	
Can run a single OS instance for multiple contexts	✓	
Allows for n-persona configurations and device settings	✓	
Creates secure memory containers	✓	✓

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