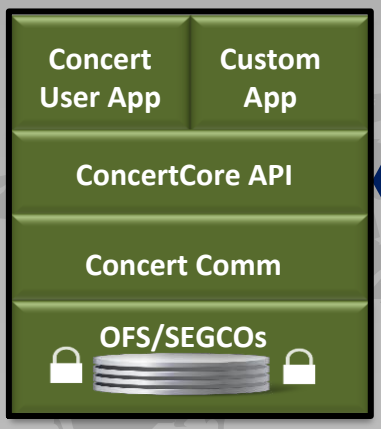
Absio Concert - Solution Overview

Information Distribution Control – Secure in Motion and on Devices

Absio *Concert* enables military, government, and commercial information owners to retain control of their information regardless of where or how it has been distributed. Persistent Distribution Control is a fundamentally different approach—it locates control in the information itself so that the organization retains control no matter where or how the information has been distributed. Absio supports any type of digital content and runs on personal computers, tablets, smartphones, and specialized hardware.

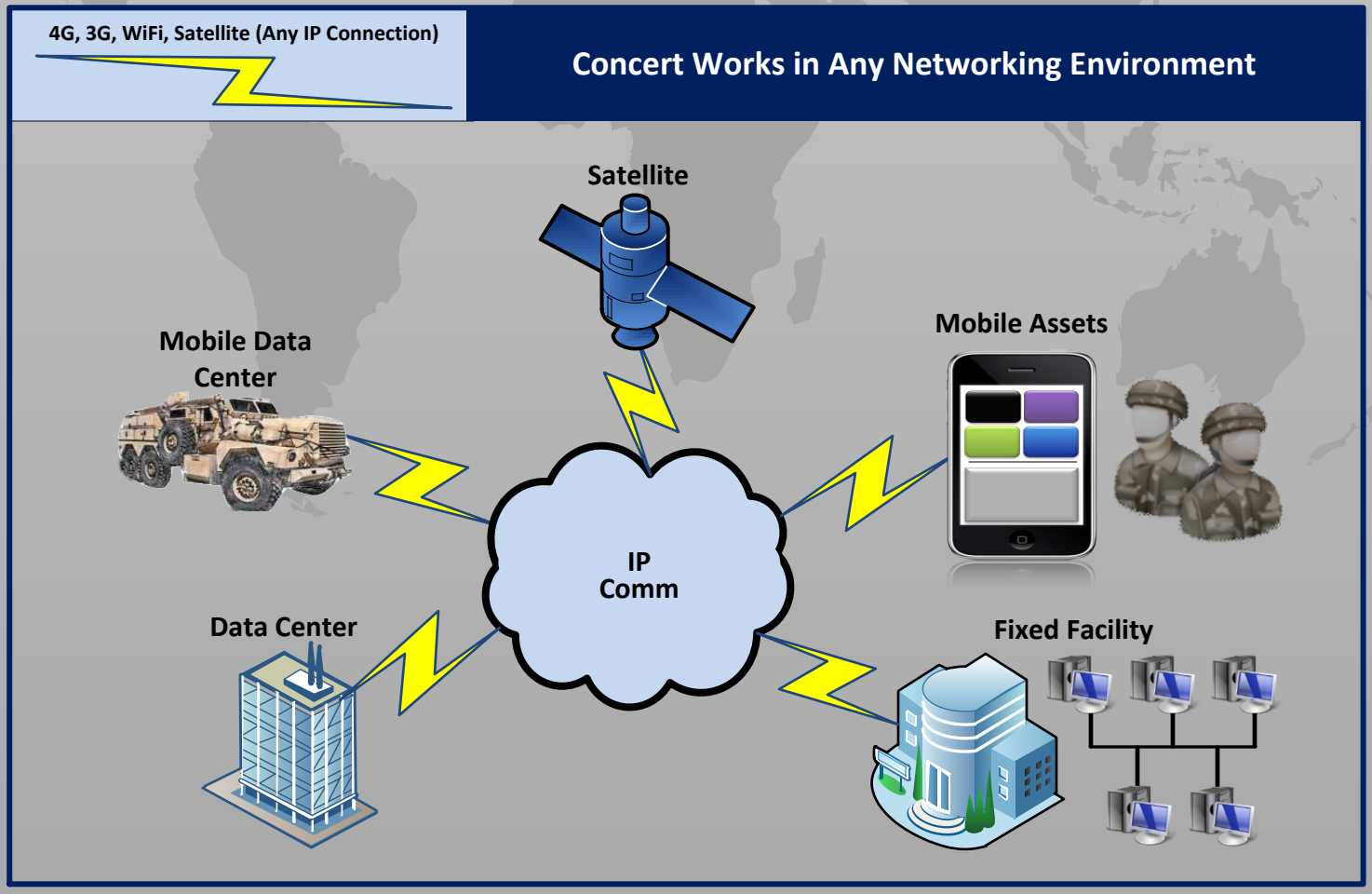
Concert Solution
(Running on Any Device)



Concert Benefits

- Secure local storage on any device
- Enforce policy based information distribution and use control
- Reduces data center costs and bandwidth requirements
- Fully functional when disconnected
- Information security requires little or no effort
- Leverages existing applications, platforms and devices
- Secure collaboration across domains ("Concerts")
- Capture defeat (obfuscating file system, duress passwords, etc.)
- Mitigates the insider threat

Concert Works in Any Networking Environment



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absio
PERSISTENT INFORMATION OWNERSHIP

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Technical Briefing

Information Distribution Control – Secure in Motion and on Devices

Absio *Concert* is a messaging, collaboration and publishing platform designed to provide control of your information in motion or in local storage on any device. *Concert* is the only platform designed to provide persistent global distribution control with the ability for authors and administrators to designate the distribution, redistribution, and functional capabilities of digital content, e.g., copy, paste, print, forward and export. *Concert* uses a client-server architecture to take advantage of the full capabilities of smartphones, tablets and personal computers.

- **Versions:** ConcertCore is used by application developers to upgrade existing applications or create new applications with an unprecedented level of information security. The Concert user application (R1) is a multi-platform secure messaging application.
- **Server:** *Concert's* server architecture can be hosted by Absio or in a customer's datacenter. Use of the computing power and local store of the edge devices on the system greatly reduces the number of servers needed to support operations. All content in the data center is encrypted and the keys are not available to data center employees thereby eliminating a major source of leakage.
- **Content protection:** *Concert* takes all content and wraps it in an object called the SEGCO (Secure Extensible Global Content Object). Each SEGCO is individually encrypted and contains the content, its metadata, and distribution rules necessary to manage that content. It is extensible by design so as additional requirements are defined, the SEGCO can be enhanced to maintain compatibility.
- **Encryption:** All encryption and decryption is done on the client device rather than the servers. Encryption is modular inside the system, and we are able to support multiple encryption algorithms and modes. Absio will support NSA Suite B encryption options with the ability to support NSA Suite A. All encryption routines will be FIPS 140 compliant.
- **Secure messaging and secure collaboration:** The distribution rules contained in each SEGCO allow owners of digital content to ensure that it can only be viewed by authorized users and they can only use it as the owner has specified. *Concert* can create logical networks (*Concerts*) where users from different domains can securely share information without allowing outsiders access to their own physical networks. *Concert* manages availability of content and controls distribution based on policies defined for the C*oncert*.
- **Auto-redaction:** *Concert* enables users to easily create, edit and distribute documents with multiple levels of classified or sensitive data that are automatically redacted consistent with security clearance of each recipient. Information imported from other documents will retain its level of classification and its distribution rules will persist.
- **Synchronization:** Users have a single account which they can use to sign in to multiple devices running *Concert* once those devices have been authenticated by the system. Synchronization between devices is easily and securely managed. The *Concert* client is fully functional offline and any operations conducted while not connected to the system are synced at the next connection.
- **DIL Support:** *Concert* is fully functional in disconnected, intermittent and low bandwidth environments. Operations conducted while not connected to the system can be synced manually or automatically at the next connection.
- **Capture/Loss/Theft Proofing:** All files on a device running *Concert* are uniquely encrypted and our Obfuscating File System (patents pending) makes it very difficult to identify any particular file, forcing unauthorized users to employ brute force methods to obtain sensitive data. The more information contained in the *Concert* store, the more secure each piece of data becomes. *Concert* also supports (among others) content expiration, duress passwords, and honeypots.

Concert represents a powerful and fundamental change to the ability of organizations to distribute their sensitive and classified information without losing control of it.

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