

Armor your data in total security with Need2Know®

You have a critical need for timely, accurate, and secure information, whether you are defending national security or safeguarding vital financial, medical, and proprietary data. The fact is that information is more abundant and available than ever before—but **it has never been more vulnerable.**

Your data at risk

Edward Snowden, the NSA contractor who recently stole classified data, is a timely reminder that computers don't steal data, people do. According to the latest Verizon Data Breach Report, 55% of breaches investigated were caused by insiders, an increase of 7% from the previous year. A global survey of senior IT professionals found that 35% conclude sensitive company information has been given to competitors. The result is clear—the **trusted insider threat is growing.**

The current network-centric data security model used by government and commercial networks **cannot** adequately defend against a trusted insider or partner. Once access is granted, a user has access to ALL data resident on that network or system. If the data leaves the trusted network, whether through malicious intent or negligence, control and protection of the data is lost.



InfoCenSec®—the future of data security

Information Centric Security (InfoCenSec®), pioneered by InfoAssure, maintains persistent protection and access control of information by “self-protecting” the data object. The InfoCenSec model provides policy enforcement at the data object itself, independent of traditional network-centric infrastructures. It makes efficient, **secure, on-demand information-sharing—anytime, anywhere**—a reality.

Now you can determine who gets to see what data on which device, where and when.

Need2Know® is the key

InfoAssure has developed an InfoCenSec® technology solution, **Need2Know®** or N2K, designed to enable digital object management and the self-protecting data object. Incorporating InfoAssure's three core patents, N2K cryptographically protects the data object, enforcing policy/role-based access control throughout its life cycle.

N2K provides breakthrough granular, persistent access control and protection by creating *crypto-labels* and applying them to the data object. N2K labels are securely distributed to enrolled end-users (human or device) and can be dynamically updated over the network, enforcing near real-time authorization changes, including revocation.

N2K is a truly disruptive technology, and the only limitation on its use... is your imagination.



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INFOASSURE®
Information Centric Security

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Defense-in-Depth

The N2K Policy Decision Point and Policy Enforcement Point occur at the data object level, when an enrolled user, authenticated to an enrolled device, requests access. This fulfills the InfoCenSec® paradigm of persistent access control with decisions dynamically based upon a *Sliding Scale of Trust™* (SSoT™).

Driven by data owner policies, the SSoT™ factors in not only user identification, but also the user environment, the device, the user's roles or duties (need-to-know), and the sensitivity of the data object's content.

This union of cryptographically enforced controls provides the InfoCenSec® **defense-in-depth** that can prevent data theft by trusted insiders and partners.



N2K benefits you

N2K is **embeddable** in devices and software applications.

N2K can transform **any data** to video streams, text or voice messaging, executable application code, web resources.

N2K enables truly secure cloud computing. System administrators cannot access your data—**you** control your data wherever it lives.

N2K gives you the advantage of efficient, fine-grained, and easy-to-manage data access control, providing improved performance, persistent data protection, and timely, secure information-sharing.

Find out now

The N2K software product runs on Windows OS and includes the N2K client/device application, and N2K Administration System. A software development kit (SDK) with APIs can be licensed to integrate the N2K functionality into anything.

Contact us for a demonstration and to discuss how N2K can support your product development and information-centric security requirements.



InfoAssure, Inc. is an Information Assurance software technology development company. We provide our corporate and government customers with enterprise level **Information Centric Security (InfoCenSec®)** technology solutions, ensuring privacy compliance, the protection of sensitive information and improving the timely and accurate sharing of information.

Our team is dedicated to the mission and customer success. The senior leadership of the company include:

- **James G. Lightburn**, Chairman & CEO (Cofounder/Director)
- **LTG James A. Williams**, USA (Ret), (Cofounder/Board Member) and a former Director of the DIA

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