



SETECS, Inc. Internet Security Technologies

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SETECS OneGroup™

A Family of Secure Group Applications

Description

OneGroup™ is a family of three secure group applications: secure instant messaging, secure whiteboard (forum), and secure sharing of documents within a group. Sharing of documents is based on Web services and security for that application is provided as a combination of SAML and GSAKMP protocols. All three secure group applications may be used across multiple, federated domains. Group authorizations are based on identities and roles of users.

Components

1. Central *OneGroup™* server performing various administrative functions and distribution (broadcasting) of group keys;
2. *OneGroup™ administration interface*, used by group administrators to perform administrative functions for the *OneGroup™* servers;
3. *OneGroup™ group owner interface*, used by group owners for controlling and managing groups and group policy tokens;
4. *OneGroup™ group members interface* for usage of secure group applications: sending/receiving instant messages within a group, writing/reading messages deposited to the whiteboard (forum), and uploading/downloading shared documents.

Key Features

- The system is fully compliant with the Internet GSAKMP standard, and therefore interoperable with other implementations of that standard;
- Security administration interfaces and secure messaging interfaces are simple, intuitive, and easy-to-use;
- The system enforces group access policy based on Policy Token;
- Written in Java so the same product is running on Linux and Windows platforms;
- All software modules are encrypted, thus resistant to viruses, worms, Trojan horse, or insider's attacks.

Applications

OneGroup™ should be used for sensitive and high-value applications. Examples are banks and other financial institutions, Government, health-care and public services institutions, and corporate environments (protection of sensitive documents against insiders' fraud).

Advantages and Benefits

OneGroup™ server may be run on security enhanced Linux thus enhancing its survivability and reliability. It can also be extended and customized to run secure, reliable and authorized secure E-mail system.

About SETECS

SETECS, Inc. develops and licenses Internet security technology products for *Web services* and *mobile applications*. SETECS unique standards based solutions provide simultaneously *protection of network resources* and *trust in network transactions and applications*, effectively eliminating today's most serious and damaging Internet threats such as viruses, spam, hackers, insiders' threats, and intrusions.

