

Usability Analysis

Usability	LockMagic
<p>Integrated directly with existing messaging collaboration systems</p>	<ul style="list-style-type: none"> • Add-on to Outlook email client • Independent of any messaging server technology: no server-side changes • Client-side encryption/decryption
<p>Easy to deploy easy to use systems with One-click security capability.</p>	<ul style="list-style-type: none"> • MSI-based installation enables silent deployment • No key or password prompts • Shortcut menus: 'Send Secure', 'Encrypt' • Double-click on-demand: 'Decrypt'
<p>Compatible with SANs and other Storage media and backup systems</p>	<ul style="list-style-type: none"> • Client-side data protection model that allows independence from storage and backup technologies
<p>Send to anyone capabilities</p>	<ul style="list-style-type: none"> • Identity-based encryption model that eliminates user key pre-enrollment and exchange
<p>No end-user key exchange or management required.</p>	<ul style="list-style-type: none"> • Transparently derive authorization information during encryption from recipients list in email messages; eliminating end-user key and password prompts. • Administratively managed encryption templates



Security Analysis

Security	LockMagic
Strong encryption and authentication.	<ul style="list-style-type: none"> • AES-256 encryption and 4K public keys • Secure RPC or SSL • Mutual Authentication • Single Sign On
End-to-end email security.	<ul style="list-style-type: none"> • Client-based model that encrypts and decrypts all data on the client-side protecting information on the network and email servers
Non-repudiation of messages	<ul style="list-style-type: none"> • Service tamper-free audit logs • Unique per-message tokens and encryption keys • Authenticity of tokens
Enterprise access to decryption keys.	<ul style="list-style-type: none"> • Built-inkey recovery model • Standard certificate key storage • Export certificates via standard tools • Stateless key model: no key database required
Unique enc/dec keys registered for Enterprise only.	<ul style="list-style-type: none"> • Auto-generated key pairs unique to every machine • No private keys shared or transferred between users or machines



Management Analysis

Management	LockMagic
Rapid deployment.	<ul style="list-style-type: none"> MSI-based deployment Silent install over network Published policy templates on file share
Centrally manage users & policies	<ul style="list-style-type: none"> Central authorization of encrypted content through AD / LDAP Group Policy management via "adm" files No data re-encryption on authorization changes Key service access derived from AD group membership
Private label branding	<ul style="list-style-type: none"> Auto-marking of encrypted messages as Private Reply/Forward of messages preserves encryption property
Interoperable with existing infrastructure.	<ul style="list-style-type: none"> No changes (schema, extensions, configuration, ...etc) to AD/LDAP, Email server or storage systems Key Service deployable and isolated on independent server Centrally manage via policy to enable/disable encryption function Send clear or encrypted messages independently
Flexible and extensible to the future expansion.	<ul style="list-style-type: none"> Standard logging format enables integration with log analysis and management systems Bulk encryption enables integration with other data security systems Supports multi-tenancy Integrates with two-factor authentication systems

