



Data Protection in 15 min

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- Why do (should) companies care about data protection?
- What do customers tell us about implementing a data protection solution?
- What can (should) be protected?

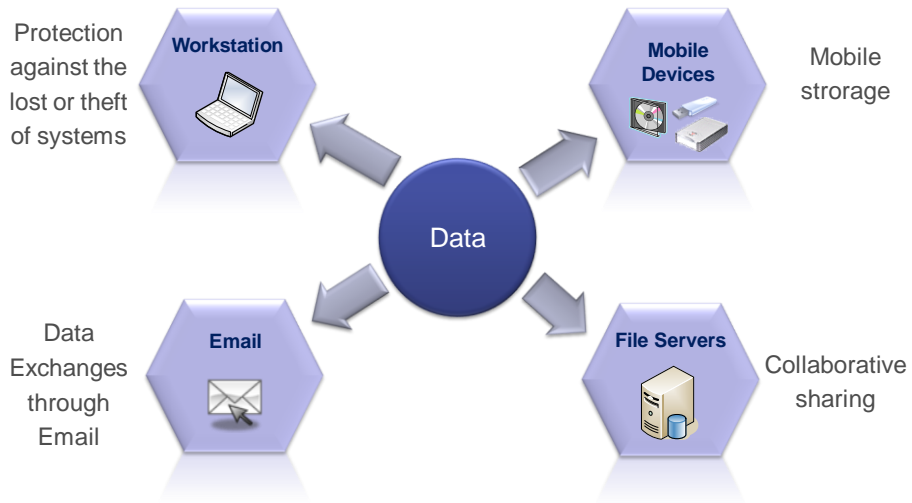
Why do (should) companies care about data protection?

- Regulation – compliance
- Protection of intellectual property
- Reputation

What do customers tell us about implementing a data protection solution?

- *Integrated IT Security*
- Manageability
- Transparency
- Scalability

Different needs



Protection against theft of systems

Full encryption of all data on system

Needs:

- Make it impossible to read any data from the disk when not authenticated
- Whatever the system state: shut down, hibernation

Solution :

- Full Disk Encryption (OS+ Data)
 - At sector level
- Only the correct authentication of the legitimate user allows decryption
 - Pre-boot
 - After session log off

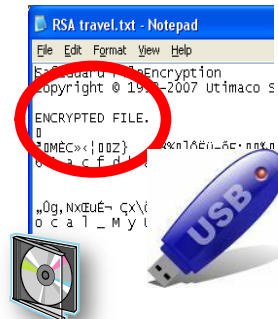


Protection of mobile devices

Encryption of mobile devices



- **Needs:**
 - Ensure that data stored on mobile devices are not readable
 - Except by the legitimate User / Group of Users
 - From a company workstation or a third-party system
- **Solution :**
 - Each time a file is stored on a mobile device (USB Device/CD/DVD), it is automatically encrypted
 - With Group Keys, for collaborative access
 - In each new Device, are copied:
 - The Key Ring of the user, protected by password
 - A portable application to encrypt / decrypt from a third-party workstation

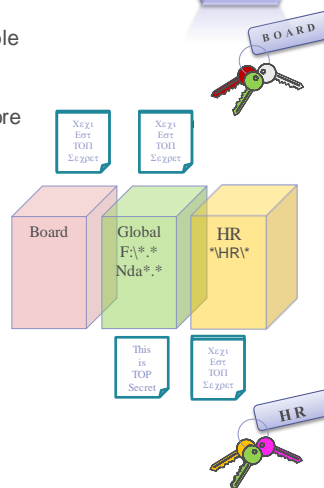


Confidentiality of collaborative data

Encryption of shared files on the network



- **Needs:**
 - Ensure that sensitive files on servers are not readable
 - Except by the legitimate User / Group of Users
 - While allowing IT to manage them for backup / restore
- **Solution :**
 - Each authenticated user receives a Key Ring
 - Some Keys are shared, some are personal
 - A file is encrypted each time it is written:
 - Manually (right click)
 - According to a path (F:\Global\ ; *\HR*)
 - Depending on its name (*.xls; NDA*.*; ...)
 - Readable only by Users with the valid Key



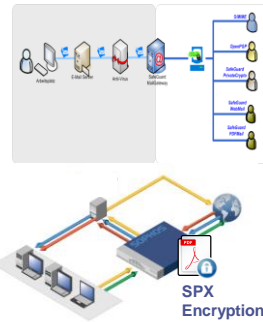
Confidentiality of data exchanges

Encryption of email exchanges



- **Needs:**
 - Ensure that emails exchanges cannot be read
 - Except by authorized recipients
 - Allow centralized management of Policies
 - Allow secure communications in B2C situations

- **Solution :**
 - Encryption at the Gateway
 - Centrally managed Policies
 - Support a variety of standards to enable secure exchanges with the variety of recipients' Encryption and Key infrastructure and settings
 - Support B2C encryption scheme:
 - Encrypted PDF protected by password



4 Prevent Data Loss and Theft

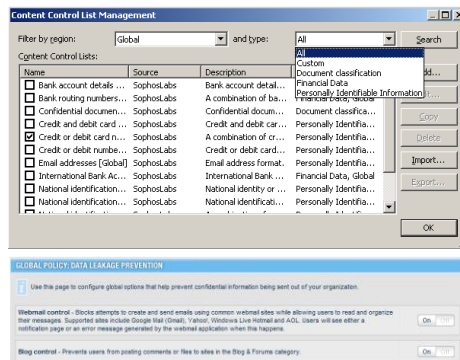
Data Loss Prevention

Stealing sensitive information is one of the key motives of web attacks

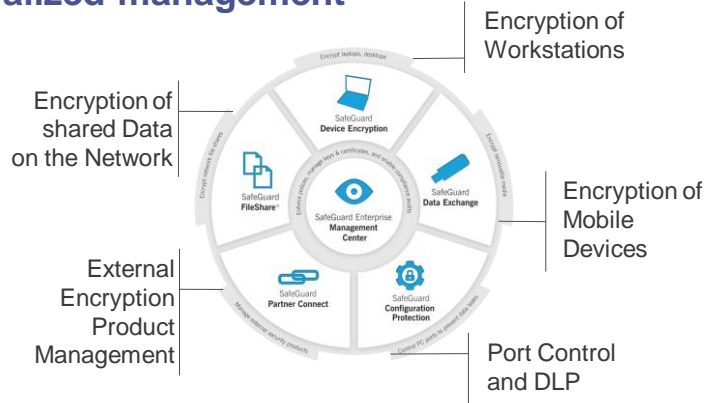


Sophos DLP with pre-packaged intelligence

- Block data stealing malware from calling home with sensitive information
- Prevent accidental data loss using your AV and web protection budget
 - Flexible policy controls
 - Pre-packaged data definitions
 - Prevent posting to webmail, blogs, and forums
- Gain quick easy compliance with data protection regulations



Centralized management



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- What do customers tell us about implementing a data protection solution?
- What can to be protected?

