
Strategic Data-Centric Security:

Achieving Compliance and Governance at Enterprise Level

December 1st, 2010 / Todd McLees / **PKWARE**[®]

Security:

Cannot be ignored

Security:

Must be cost-effective

Security:

Must be easy



Data States

- **Data at Rest**
 - Unstructured Data
 - Structured Data

Data States

- **Data in Motion**
 - Transport Security

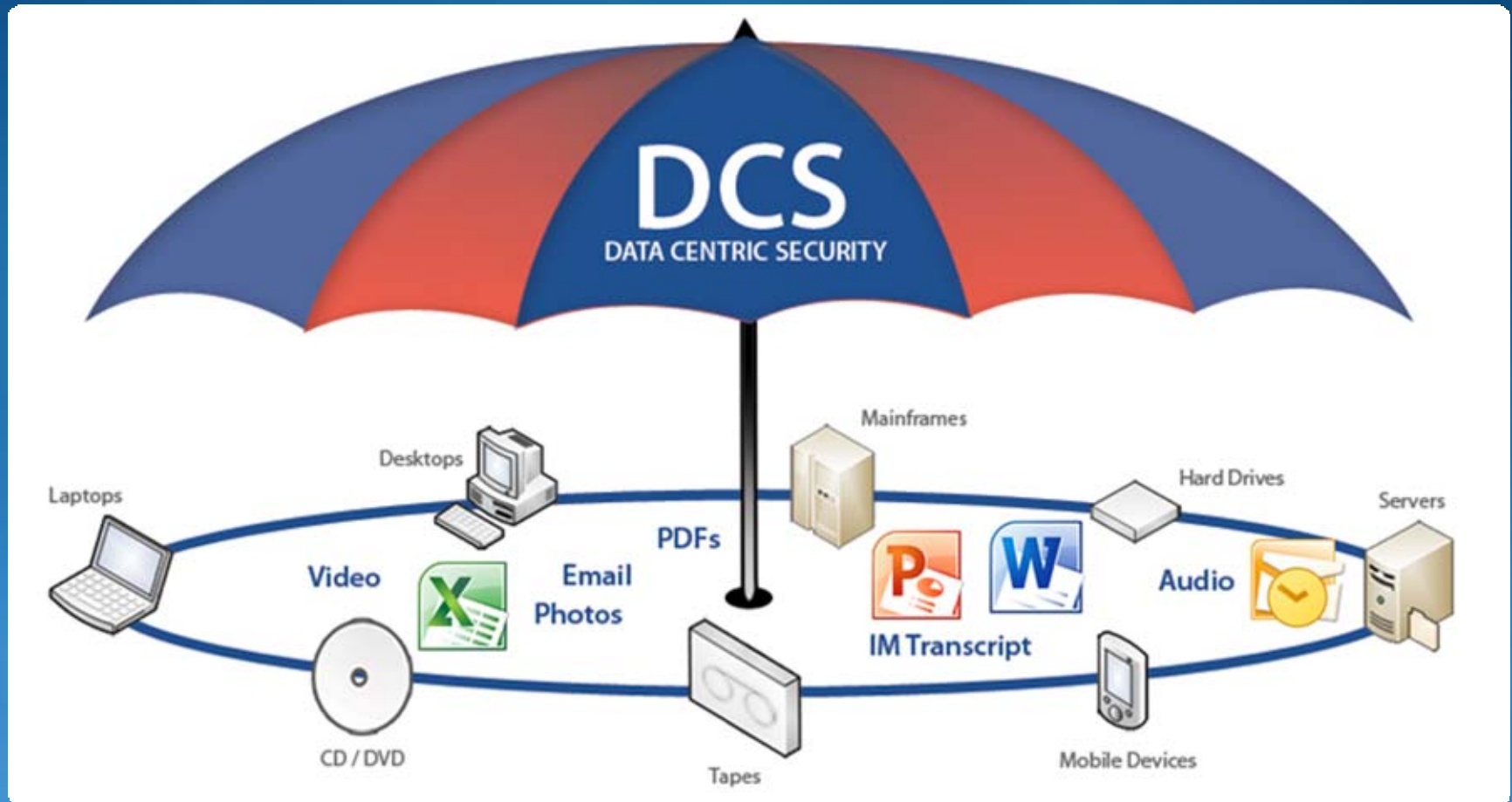




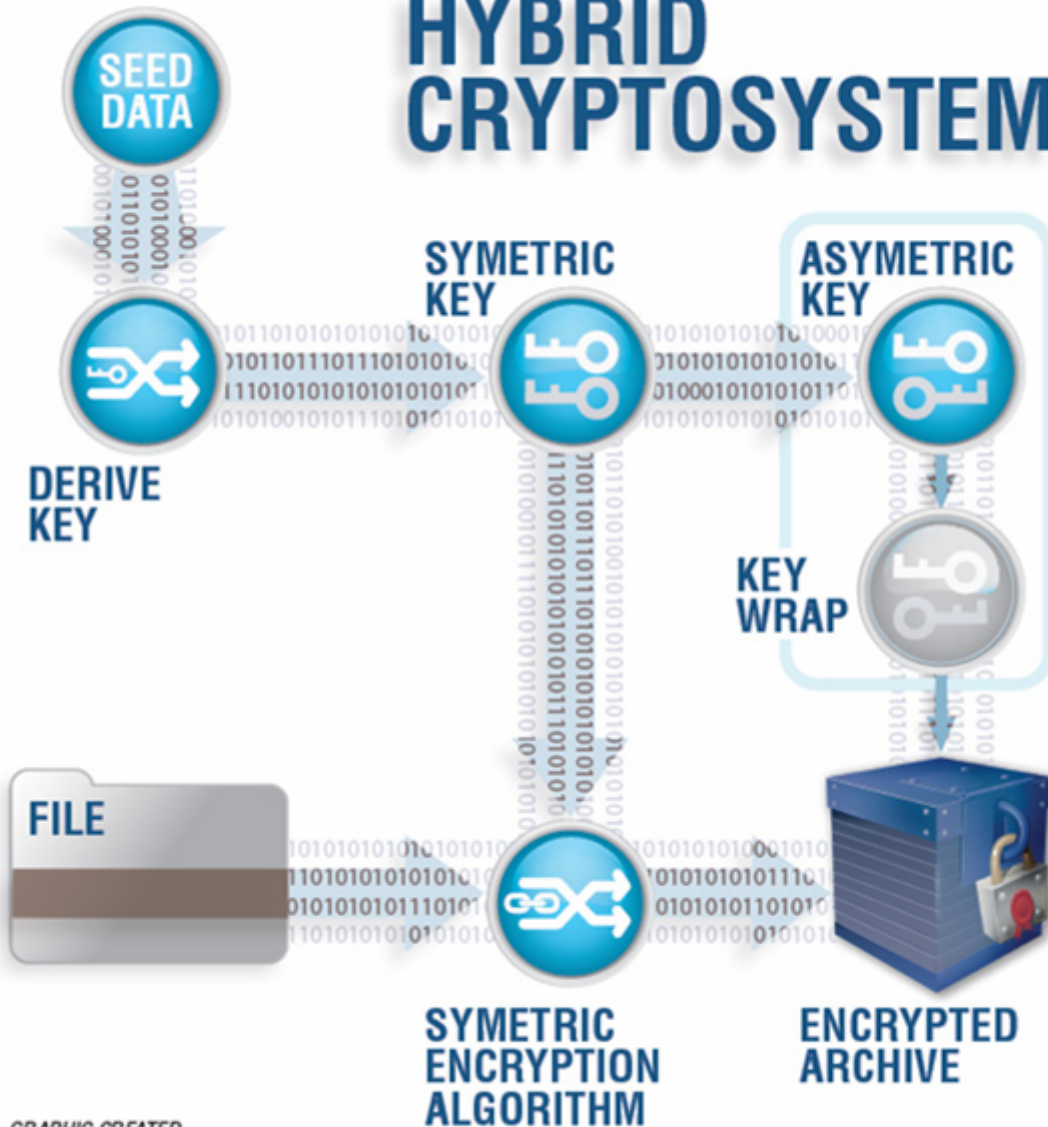
Data States

- **Data in Use**
 - Applications
 - Access Controls

Data Centric Security



HYBRID CRYPTOSYSTEM



GRAPHIC CREATED
AND PROVIDED BY PKWARE

A CISO Issue

“My job is not to encrypt our data, my job is to make certain we remain in control of our data at all times.”

BofA Merchant Services Use Case

- Customer Profile

- One of the world's largest financial institutions

- Challenges

- Meeting data security compliance standards and requirements, specifically PCI DSS
- Transferring data securely to multiple endpoints
- Exchanging email securely with internal and external recipients

- PKWARE Solution: SecureZIP® for Windows® desktop

- Encrypted sensitive emails for secure exchange via integration with centralized RSA digital certificate directories
- Employees can easily send secure emails via integration with Microsoft Outlook®
- Protected sensitive data exchanged with multiple endpoints

A Security Architect's Issue

“The secure data needs to be able to move freely throughout our ecosystem, without adding significant overhead.”

C&CCC Use Case

- **Customer Profile**

- Trade association within the United Kingdom for institutions that deliver payment services to customers
- Responsible for the bulk clearing of cheques and paper credits throughout Great Britain

- **Challenges**

- Protecting sensitive data using persistent authentication and digital encryption capabilities
- Reduce data center costs and operational overhead by implementing a solution that works within the existing infrastructure
- Finding a cost-effective and reliable solution that would be consistent over a period of several years

- **PKWARE Solution:** SecureZIP Server & SecureZIP for z/OS®

- Implemented a solution that could work across disparate computing systems used by various banks
- Overcame future cost concerns by implementing a solution that allows banks to change computing environments without the solution becoming obsolete

A Data Center Ops Manager Issue

“Securing data cannot impact our SLAs and SLOs”

TSYS Use Case

- **Customer Profile**

- Leading supplier of acquiring solutions, related systems, and integrated support services to the acquiring industry and its customers
- Provide credit and debit card clearing and settlement services at more than one million merchant locations

- **Challenges**

- Meeting data security compliance standards and requirements, specifically PCI DSS
- Protecting sensitive information transferred via portable media

- **PKWARE Solution: SecureZIP[®] for Windows[®] desktop & SecureZIP Server for Windows**

- Met PCI DSS compliance requirements
- Centrally configured and enforced encryption requirements according to internal data security policies
- Protected sensitive information by encrypting data transferred via portable media