

# Curtain e-locker Data Loss Prevention

We safeguard your information!



# Agenda



## CURTAIN – Security challenges

- CURTAIN – How we safeguard your information
- CURTAIN – Deployment

# Data leakage incidents

Wednesday, May 28,

**FINANCIAL**  
**DATA**

**富士康告比亞迪**

Method and disappointed that authority did not contact his or over the new case. "Due to the progress of the case, the committee has decided to write to Hong Authority chief executive Shane 2018, asking them to offer more detailed information so that appropriate action can be taken to prevent occurrence of similar incident spokesman for the office said.

Mr. Holmes said eight of losses had been reported to police and the office would be report when details had been confirmed.

The lost devices included 1 USB flash drives and other devices including a laptop computer, an MP3 player and a digital camera. The data contained data on 5,888 patients from five public hospitals, about 100 of them involving identifiable personal particulars such as iden

## Cathay Pacific Says 9.4 Million Affected by Data Breach

Airline's Five-Month Delay Before Public Disclosure Raises Concern

Jeremy Kirk (@jeremy\_kirk) · October 25, 2018

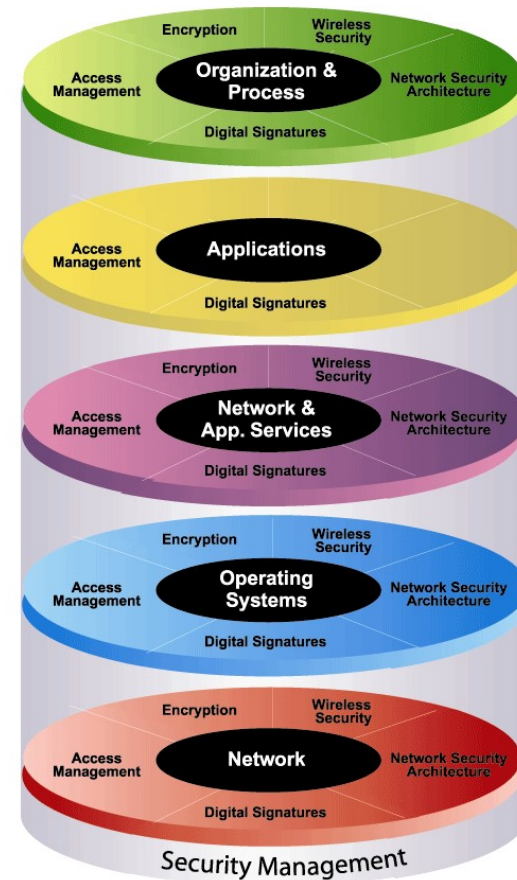
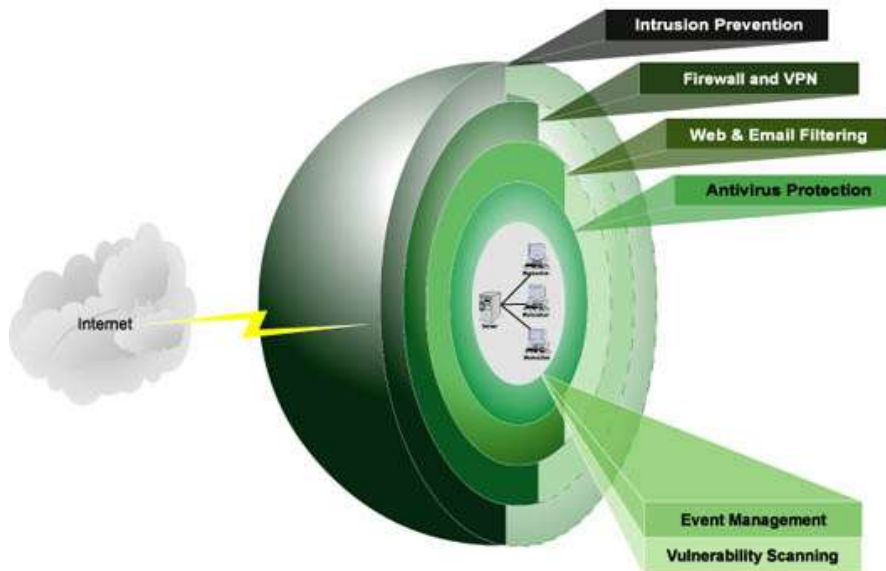


**See Also:** [Securing Organizations from Remote Desktop Protocol Exploits](#)

Hong Kong-based airline Cathay Pacific says the personal details of 9.4 million passengers were inappropriately accessed in March, a breach that was confirmed by the company in early May but only publicly revealed on Wednesday.

# Security challenges

## Multiple Layered Security Control

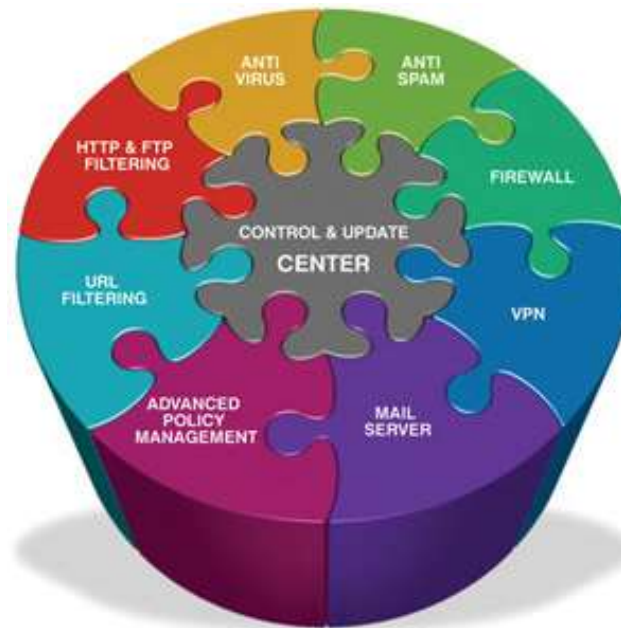


- **Perimeter-based** security solutions: Intruder Prevention, Firewall & VPN, Web & Email Filtering, Antivirus , Anti-spam.



# Security challenges

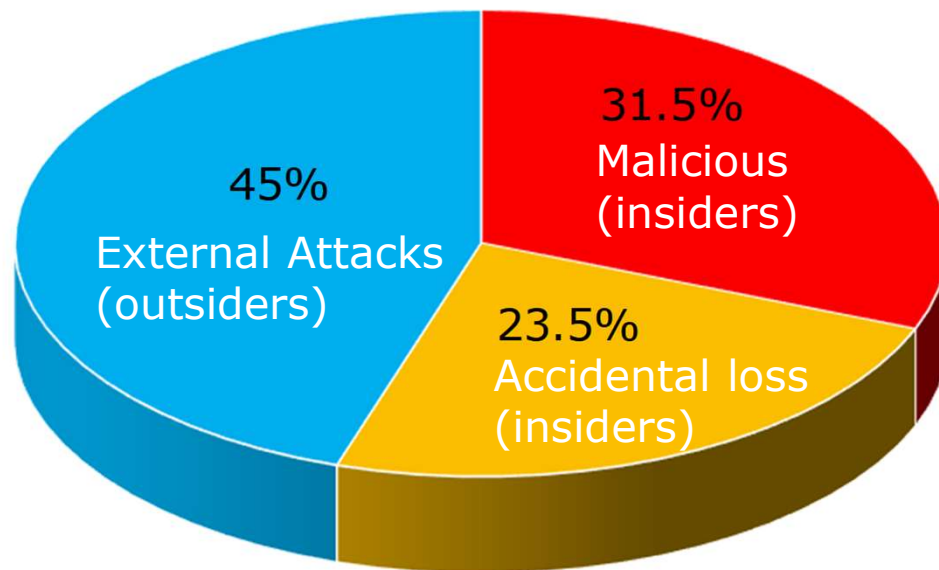
## Comprehensive External Security Control



- **Expensive and difficult** to implement and manage these layered defenses. Still, It **cannot protect internal documents**.

## Security surveys

- Insider Threats Outrank External Attacks
  - **55% (Insiders) VS 45% (Outsiders)**



- Insider breach should be higher than 55%
- Because it is not easy to discover insider copies information to external devices

# Security surveys

More and more surveys show that Insider Threats are the top source of security incidents



Insider Threats as the Main Security Threat in 2017

TRIPWIRE GUEST AUTHORS  
APR. 11, 2017 | IT SECURITY AND DATA PROTECTION



**Half of data breaches are the fault of insiders, not hackers, research finds**

Panel urges companies to avoid euphemisms and acknowledge when they've been breached - or risk being fined



The panel included (left to right): Martin Sugden (Baldon James); Carl Leonard (Forcepoint); Jeremy Wittkop (IntelSecure); and Stuart Summer (Computing)

Sources:

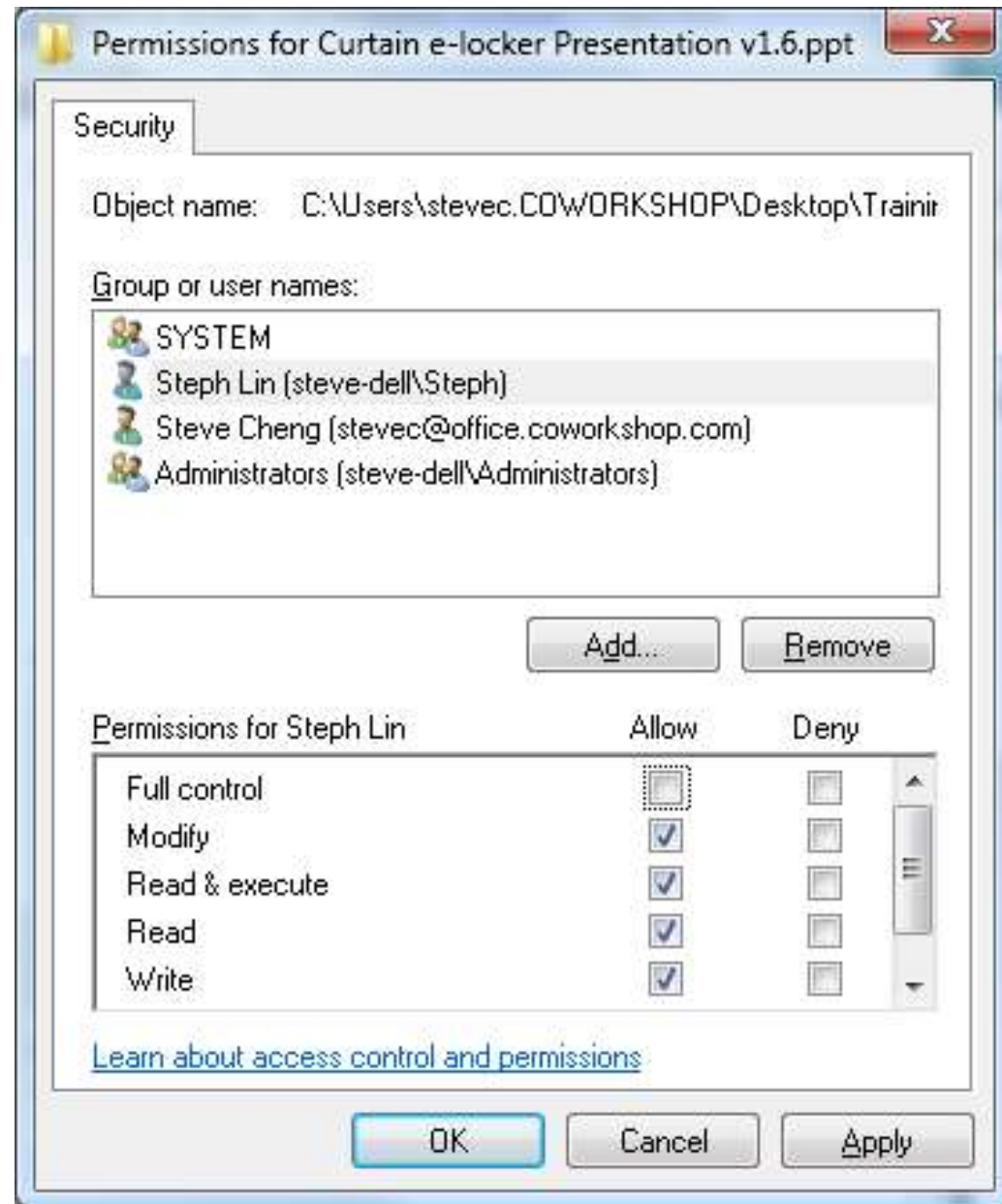
<https://www.pwc.com/us/en/services/consulting/cybersecurity/library/information-security-survey.html>

<https://www.tripwire.com/state-of-security/security-data-protection/insider-threats-main-security-threat-2017/>

<https://www.computing.co.uk/ctg/news/3063537/half-of-data-breaches-are-the-fault-of-insiders-not-hackers-research-finds>

## The problem

- Most systems only have first-tier access control (i.e. read, write, edit, etc).
- But once users get **READ** rights, they **own** the document.



# The problem

Once users get READ rights, they can...

- **Print**
- **Print screen**
- **Save to USB disk**
- **Copy to mini PC**
- **Copy & paste**
- **Email**
- **WhatsApp, Skype, WeChat**
- **Upload to Dropbox, FTP**
- **More...**





## New technologies

- **5G Network** is coming. Download speeds will approach 20 Gbps. It means you can download an HD movie in 2-3 seconds



- Administrative security **policies and procedures are NOT enough** for the Trusted Community

## Traditional ways

Some companies try to prevent data leakage by:

- Control USB port
- Control Internet access
- Control usage of printer
- Control data sharing

**Question: Is it the way out? Definitely, NOT!**

- Expensive & difficult
- Inconvenient (No Internet, No email, No USB...)
- The most important is: Not a complete solution!
- Smart users can copy data through a cross cable

## A complete solution

Curtain e-locker is a **Data Loss Prevention (DLP)** system that prevents sensitive information from leaking out of the company.

**Curtain e-locker  
is a complete solution  
to stop  
Data Leakage!**



# Agenda

- CURTAIN – Security challenges



CURTAIN – How we safeguard your information

- CURTAIN – Deployment

## A complete solution

It changes “Uncertainty” to “Company Practice”

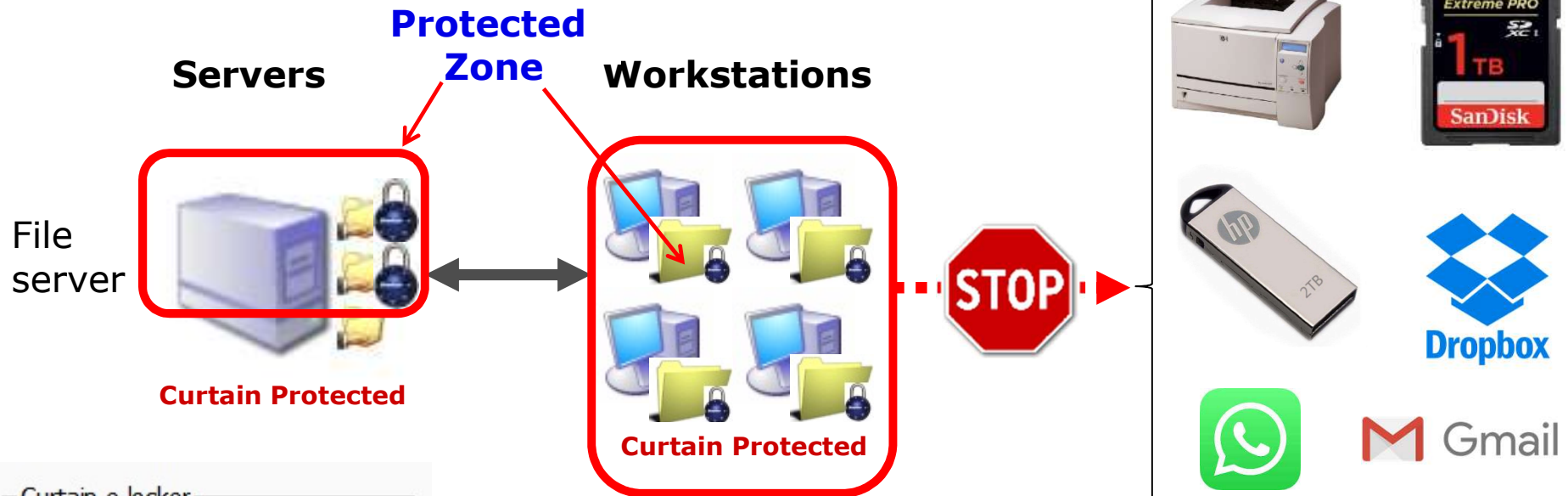
### File Rights:

- control **Save Anywhere**
- control **Send**
- control **Print**
- control **Print Screen**
- control **Copy and Paste out**
- control **New Document**





# Architecture



## Curtain e-locker

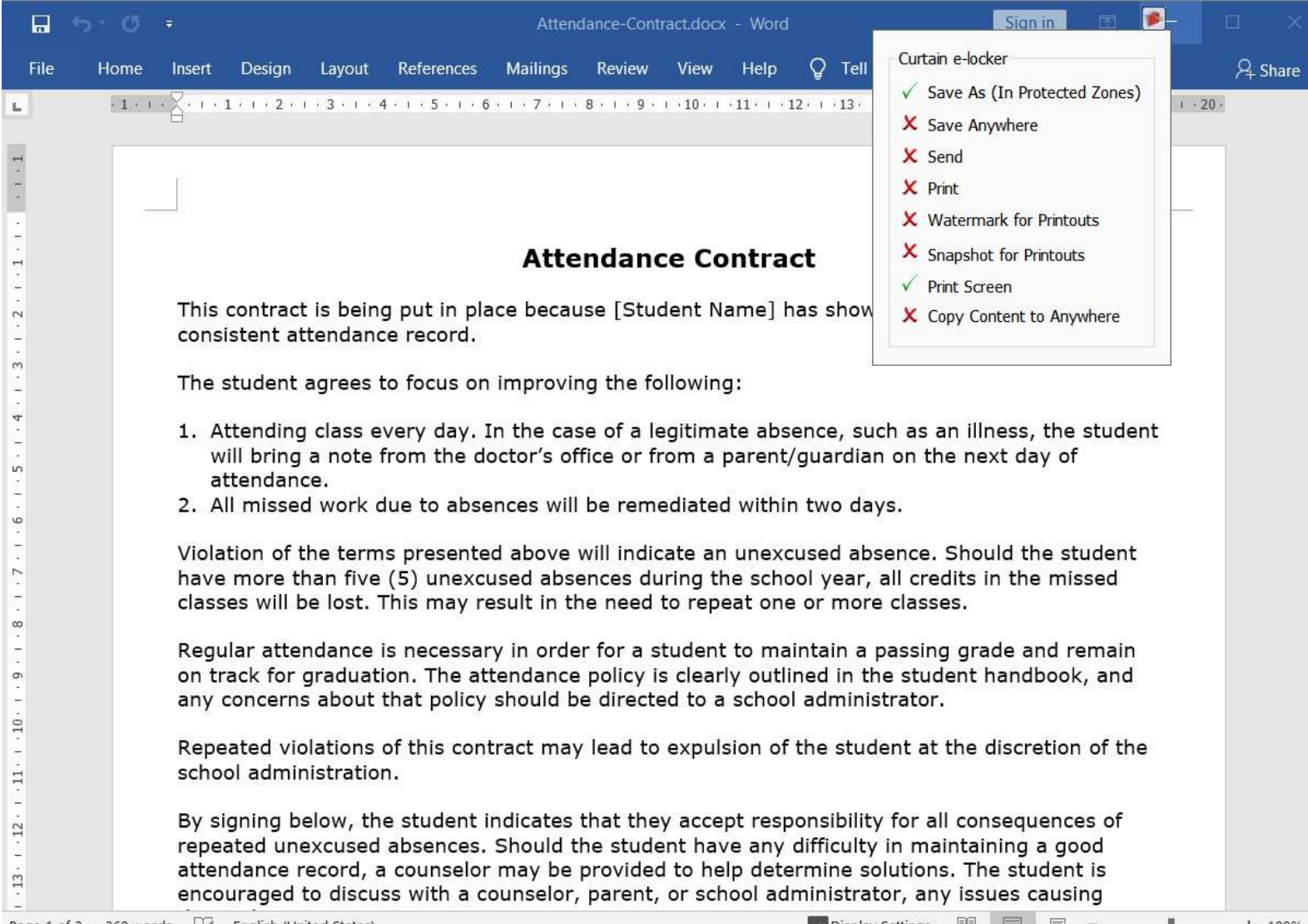
- ✓ Save As (In Protected Zones)
- ✗ Save Anywhere
- ✗ Send
- ✗ Print
- ✗ Watermark for Printouts
- ✗ Snapshot for Printouts
- ✗ Print Screen
- ✗ Copy Content to Anywhere

Curtain client must be installed, in order to access server protected directories. A local protected directory will be created.

- Server protected directories
- Local protected directory
- It forms a **Protected Zone**. All unauthorized actions are prohibited

How it works?

Permissions (e.g. save anywhere, send, print, copy) can be configured per user/user group by administrators



The screenshot shows a Microsoft Word document titled "Attendance-Contract.docx" with a ribbon menu at the top. A context menu titled "Curtain e-locker" is open, displaying a list of permissions with checkboxes. The document content includes a title "Attendance Contract" and several paragraphs of text regarding attendance policies.

**Attendance Contract**

This contract is being put in place because [Student Name] has shown a consistent attendance record.

The student agrees to focus on improving the following:

1. Attending class every day. In the case of a legitimate absence, such as an illness, the student will bring a note from the doctor's office or from a parent/guardian on the next day of attendance.
2. All missed work due to absences will be remediated within two days.

Violation of the terms presented above will indicate an unexcused absence. Should the student have more than five (5) unexcused absences during the school year, all credits in the missed classes will be lost. This may result in the need to repeat one or more classes.

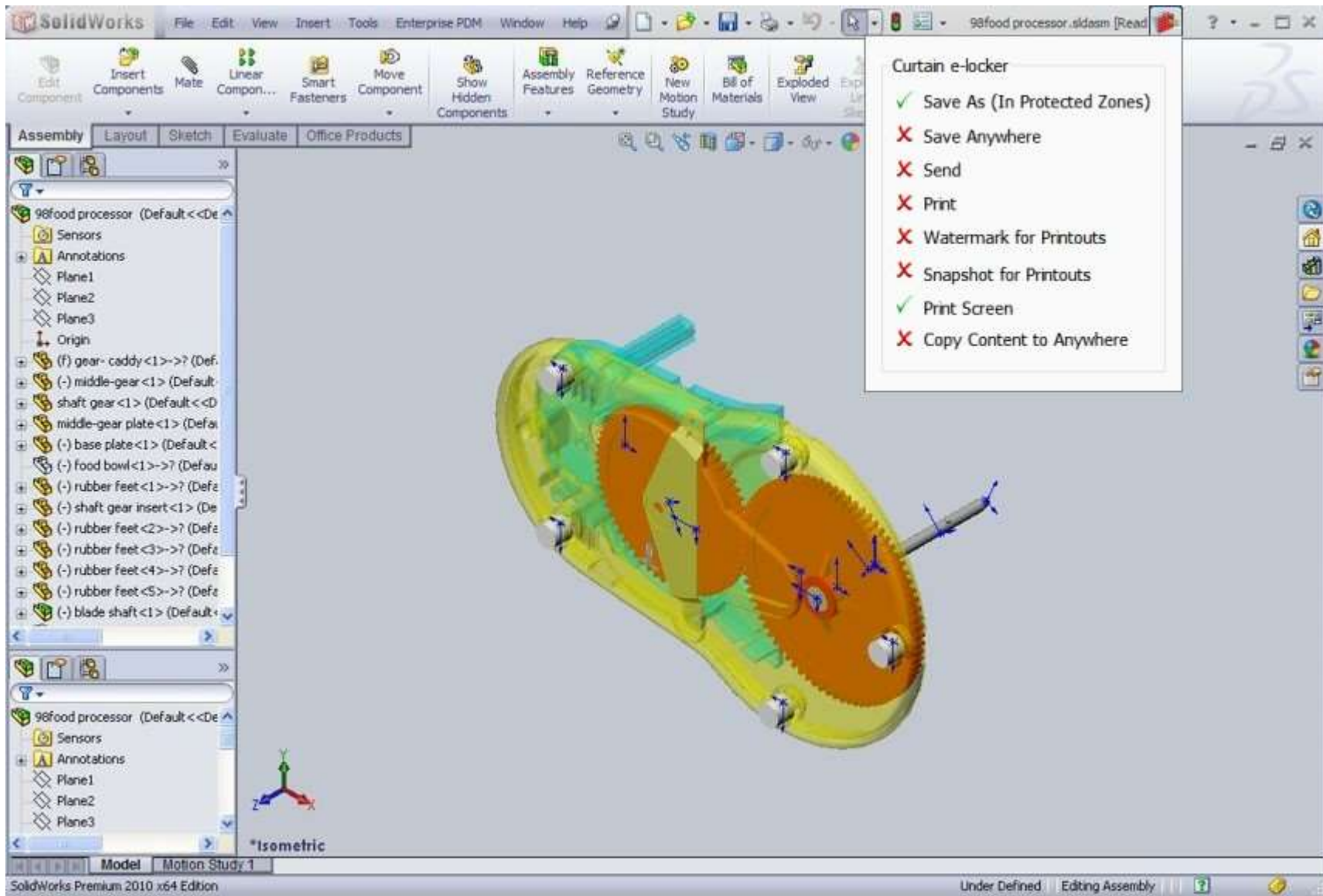
Regular attendance is necessary in order for a student to maintain a passing grade and remain on track for graduation. The attendance policy is clearly outlined in the student handbook, and any concerns about that policy should be directed to a school administrator.

Repeated violations of this contract may lead to expulsion of the student at the discretion of the school administration.

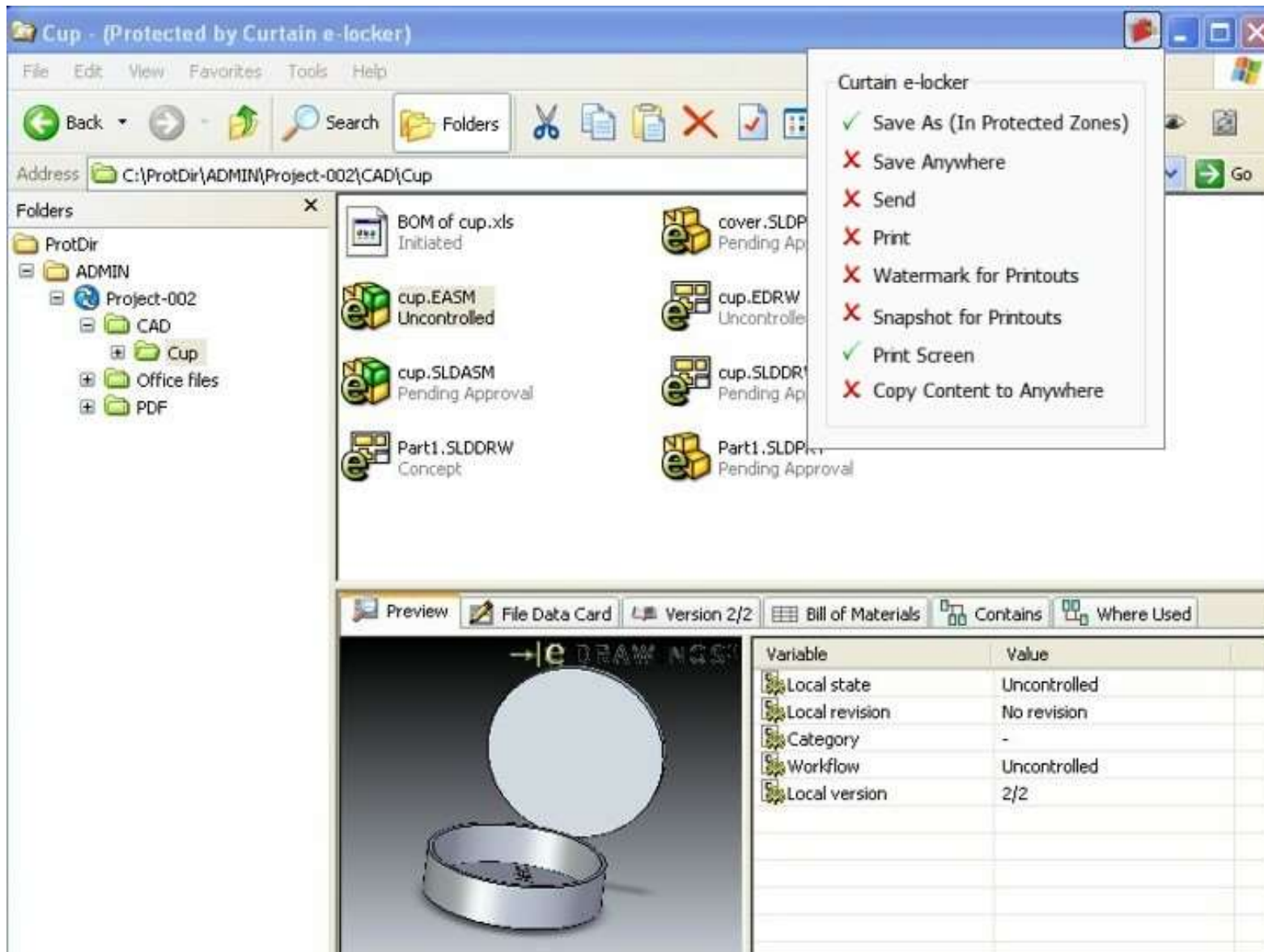
By signing below, the student indicates that they accept responsibility for all consequences of repeated unexcused absences. Should the student have any difficulty in maintaining a good attendance record, a counselor may be provided to help determine solutions. The student is encouraged to discuss with a counselor, parent, or school administrator, any issues causing

Page 1 of 2   360 words   English (United States)   Display Settings   100%

# Curtain e-locker with SOLIDWORKS



## Curtain e-locker with SOLIDWORKS EPDM



The screenshot shows a Windows Explorer window titled "Cup - (Protected by Curtain e-locker)". The address bar shows the path "C:\ProtDir\ADMIN\Project-002\CAD\Cup". The left sidebar shows a folder tree with "ProtDir" expanded to "ADMIN" > "Project-002" > "CAD" > "Cup". The main pane displays several files with their status:

- BOM of cup.xls: Initiated
- cup.EASM: Uncontrolled
- cup.SLDASM: Pending Approval
- Part1.SLDDRW: Concept
- cover.SLDP: Pending Approval
- cup.EDRW: Uncontrolled
- cup.SLDDRW: Pending Approval
- Part1.SLDP: Pending Approval

A context menu titled "Curtain e-locker" is open over the files, listing the following actions and their permissions:

- ✓ Save As (In Protected Zones)
- ✗ Save Anywhere
- ✗ Send
- ✗ Print
- ✗ Watermark for Printouts
- ✗ Snapshot for Printouts
- ✓ Print Screen
- ✗ Copy Content to Anywhere

At the bottom of the window, there is a "Preview" pane showing a 3D model of a cup and a "File Data Card" table.

Variable	Value
Local state	Uncontrolled
Local revision	No revision
Category	-
Workflow	Uncontrolled
Local version	2/2



## Application-level protection

- Users can access sensitive files by **using the native application** (not through a third party file viewer)
- Curtain supports **over 200 applications**, includes MS Office, Adobe Acrobat, AutoCAD, Photoshop, CorelDraw, and etc.
- Applications can be added to the support list upon request, including self-developed system
- Application-level protection **does not change user behavior**. Users still use native application for reading & editing

# Supported applications

We cover over 200 applications. Please refer to our website for the full list.

## Office Applications

- Adobe Acrobat
- Adobe Reader
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Access
- Microsoft Visio
- Microsoft Project
- Microsoft Office Picture Manager
- Microsoft Internet Explorer
- Notepad, WordPad, Paint
- OpenOffice, WPS
- 7-zip, WinRAR
- PDFill, CutePDF
- Windows Picture and Fax Viewer
- Windows Media Player
- VLC media player
- Kodak imaging for Windows
- Google Chrome

## CAD/CAM

- AutoCAD
- AutoCAD LT
- Altium Designer
- SolidWorks
- SolidWorks Simulation
- SolidWorks EPDM
- 3ds Max
- 3DVIA
- DraftSight
- eDrawings
- Gerber AccuMark
- JewelCAD
- MasterCAM
- PADS, CAXA
- PTC Creo
- Rhinoceros
- Unigraphics NX
- ZWCAD (中望)

## Graphics Design

- Adobe Illustrator
- Adobe Photoshop
- CorelDRAW
- Adobe After Effects
- Adobe Lightroom



## Online/Offline protection

- **Online/Offline controls** – “Sensitive data can be used”:
  - ONLY when the PC is online
  - ONLY when the PC is online within a period of time (e.g. 2 hrs)
  - Even the PC is offline
- Users can **download sensitive information to local protected directory**, and go out for meeting or business trip
- Information in local protected directory is **still protected by Curtain e-locker, even the PC is offline**
- Users can **edit files in local protected directory**. When they come back office, they can upload the latest version of files back to servers

## Smart protection

- **Protect first draft** – if this feature is enabled, user must save newly created document to protected zone. This feature **protects information at the point of creation**
  
- **Smart copy & paste control:**
  - Copy & paste in-between documents in protected zone is allowed
  - Copy data to protected zone is allowed
  - However, copy data from protected zone to other locations is prohibited
  
- **Personal local protected directory**

# Screen capture protection

- **Smart screen-capture protection:**
  - Only sensitive data is dimmed
  - Users still enjoy the convenience of screen-capture for non-sensitive data



- **Screen-dump software is also blocked**



## Secure file sharing (internal)

- **Encrypt sensitive file first** – the encrypted file can be copied out of protected zone.



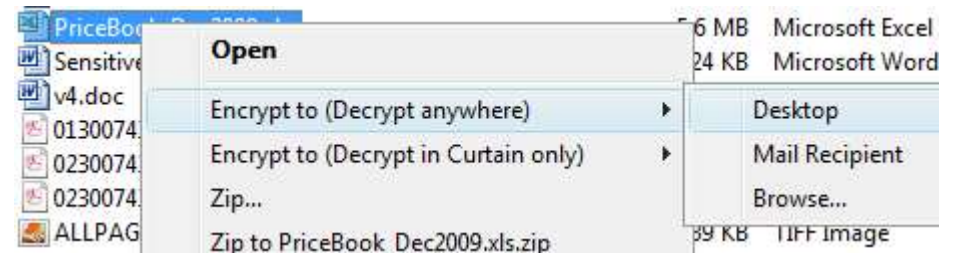
- **Send the encrypted file to colleague**



- **Colleague simply double-clicks the encrypted file** – the file will be automatically decrypted to protected directory for viewing or editing.

## Secure file sharing (external)

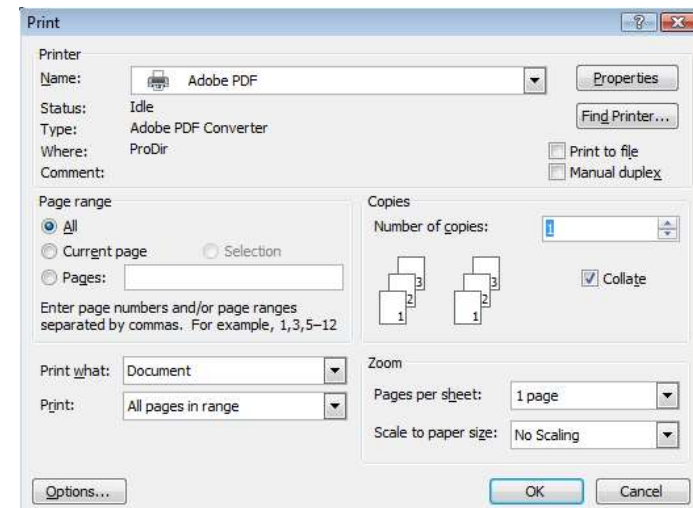
- Encrypt sensitive file with password** – the encrypted file can be copied out of protected zone.
- Copy/Send the encrypted file to your business partner** – the sensitive file is encrypted in USB drive or Email.
- Your business partner can decrypt the file by entering correct password** – the file will be automatically decrypted for viewing or editing.



# Secure generation of PDF file

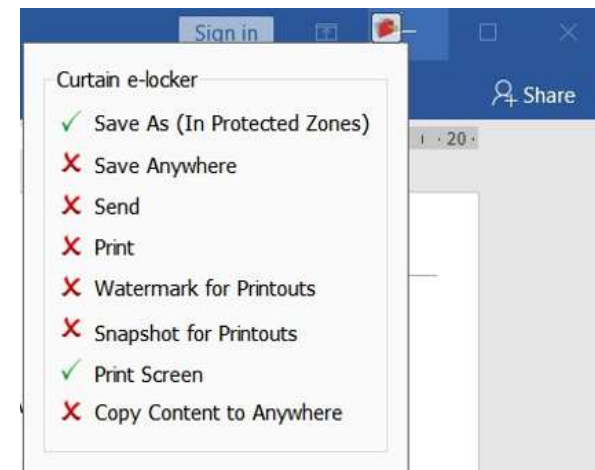
- **Secure “Print to PDF”**

- Users can convert sensitive documents to PDF format by using the function of print-to-pdf.
- However, **the pdf file can be only saved to protected zone**. It makes a good balance on convenience and security. Users can generate pdf files, but data still cannot be leaked out of the company through this channel.



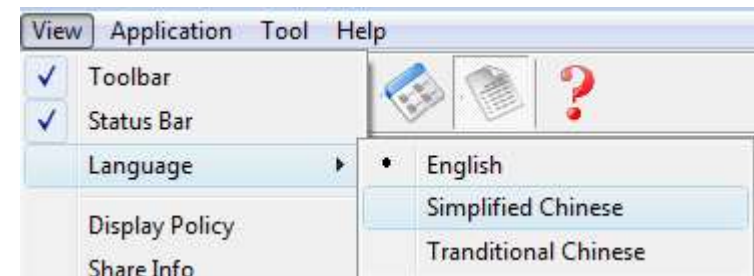
## User-friendly interface

- **User-friendly Client Interface** – Windows Explorer-like interface and all columns can be sorted
- **Policy droplet**– Users can click the droplet to view their rights to the document
- **Clear message** – Curtain provides clear message to users, so that they know what they can do to the controlled document



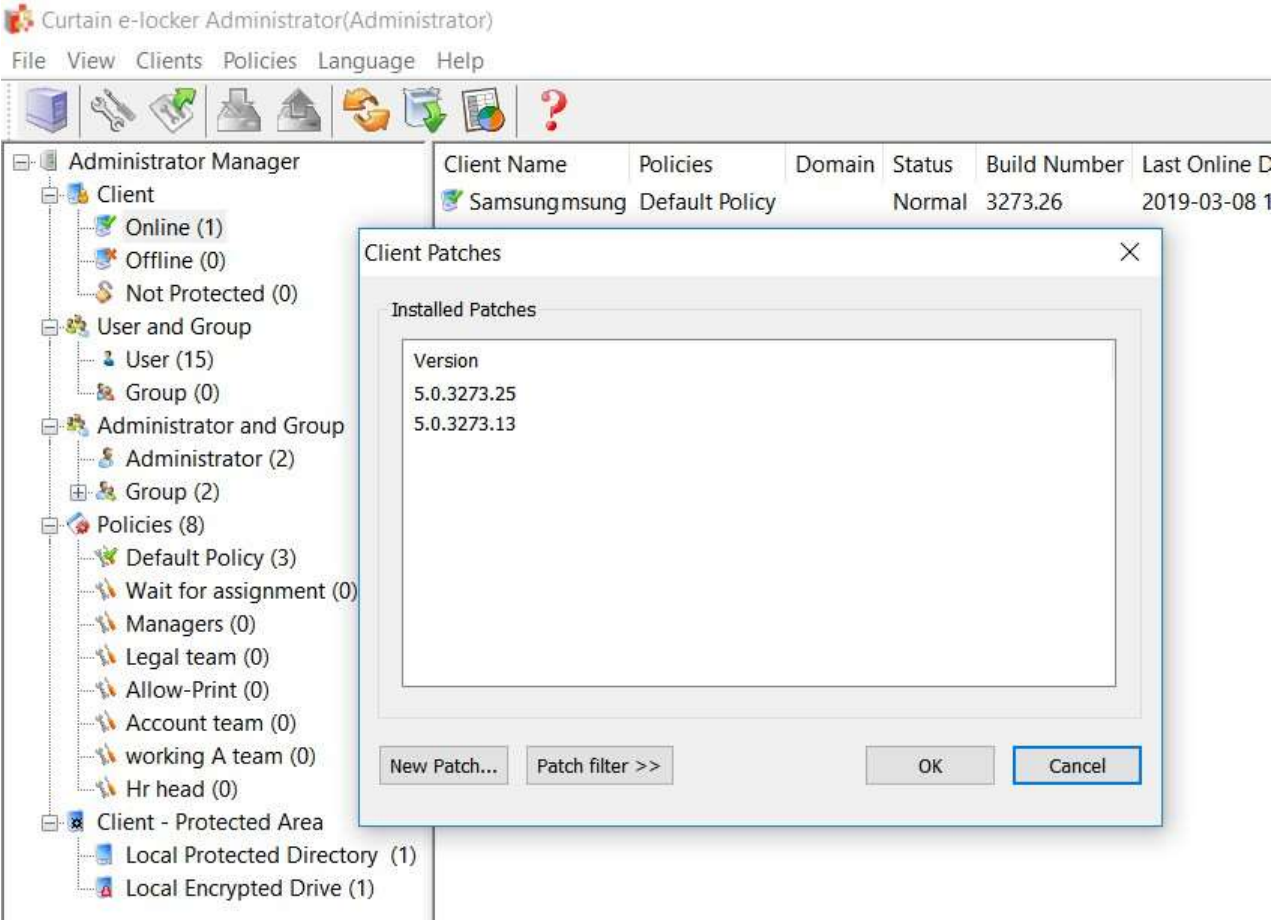
# Multi-lingual support

- **Multi-lingual** – Curtain supports English, Traditional Chinese, and Simplified Chinese.
- **Switch between languages** – Users can switch between languages themselves. There is only one installer for all languages.
- **Fully localized** – All prompts, bubbles, and messages from Curtain are shown in selected language.



# Easy administration

- **Auto patch update** – Patches are automatically applied to clients



The screenshot shows the 'Curtain e-locker Administrator' application window. The main interface displays a tree view on the left and a table of client information on the right. A 'Client Patches' dialog box is open in the foreground, showing a list of installed patches.

**Client Information Table:**

Client Name	Policies	Domain	Status	Build Number	Last Online D
Samsungsung	Default Policy		Normal	3273.26	2019-03-08 1

**Client Patches Dialog Box:**

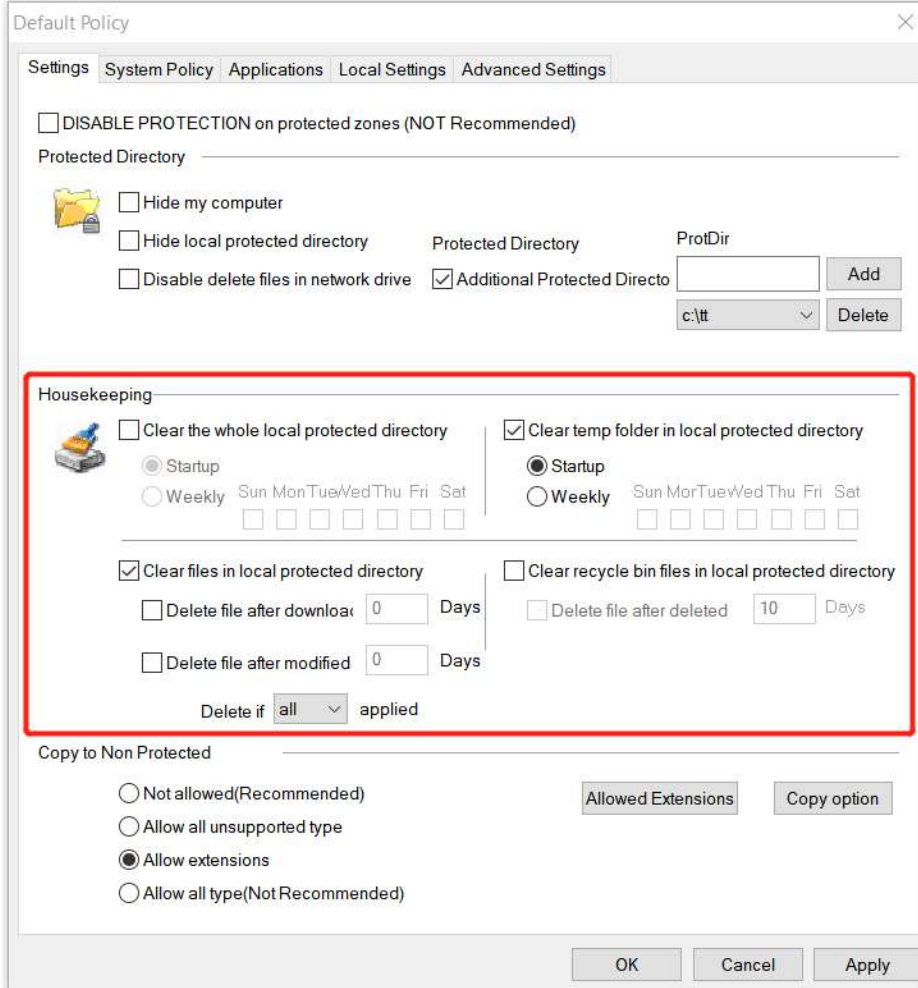
Installed Patches

Version
5.0.3273.25
5.0.3273.13

Buttons: New Patch..., Patch filter >>, OK, Cancel

# Housekeeping

- Admin can define different rules to clean up files in users' local protected directories, such as daily, weekly, N days, and etc




Default Policy

Settings System Policy Applications Local Settings Advanced Settings

DISABLE PROTECTION on protected zones (NOT Recommended)

Protected Directory \_\_\_\_\_


  Hide my computer

Hide local protected directory      Protected Directory      ProtDir

Disable delete files in network drive     Additional Protected Directo

---

**Housekeeping**

  Clear the whole local protected directory       Clear temp folder in local protected directory

Startup       Startup  
 Weekly Sun Mon Tue Wed Thu Fri Sat       Weekly Sun Mon Tue Wed Thu Fri Sat

---

Clear files in local protected directory       Clear recycle bin files in local protected directory

Delete file after download: 0 Days       Delete file after deleted: 10 Days

Delete file after modified: 0 Days

Delete if  applied

---

Copy to Non Protected

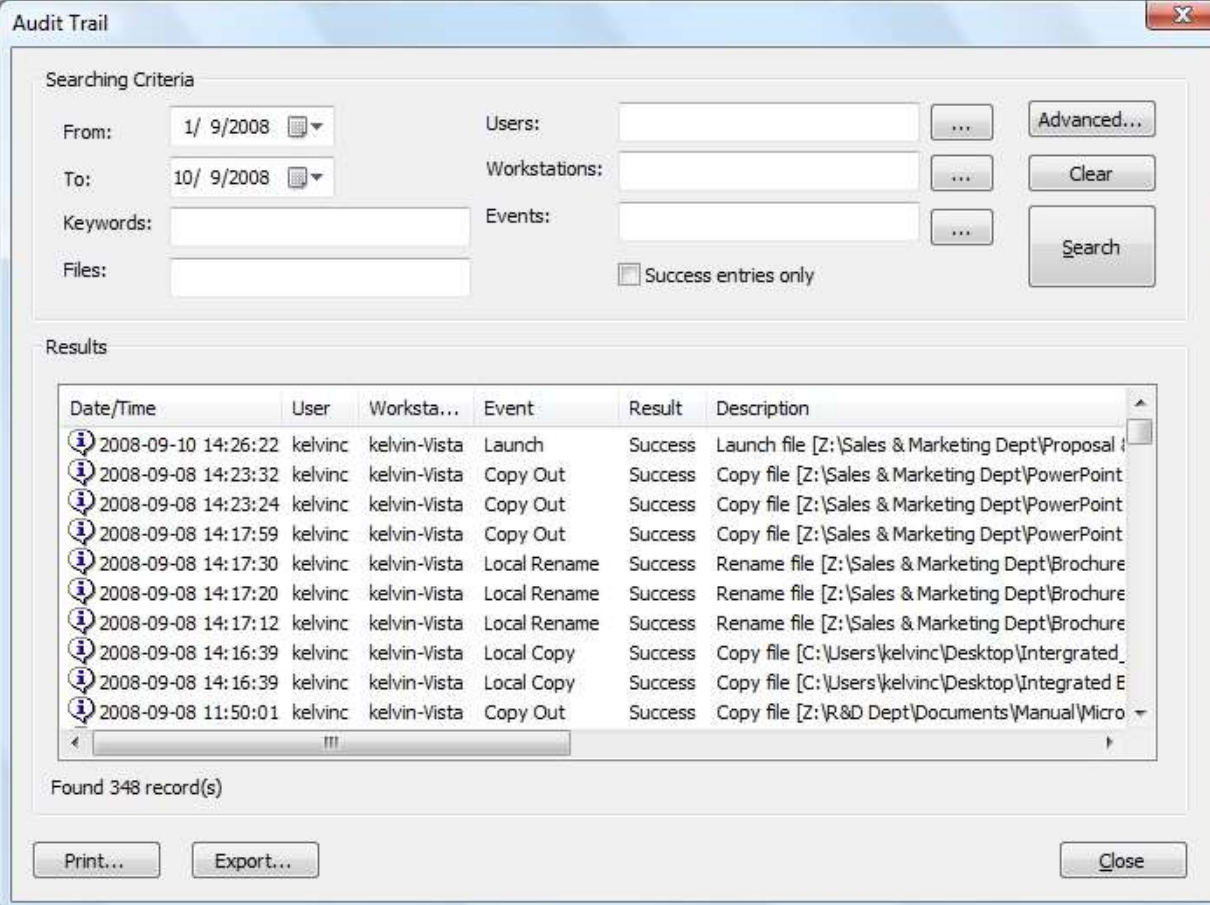
Not allowed(Recommended)              
 Allow all unsupported type  
 Allow extensions  
 Allow all type(Not Recommended)

OK Cancel Apply



# Central audit log

- Central audit log is available in Policy server. It logs activities to sensitive files

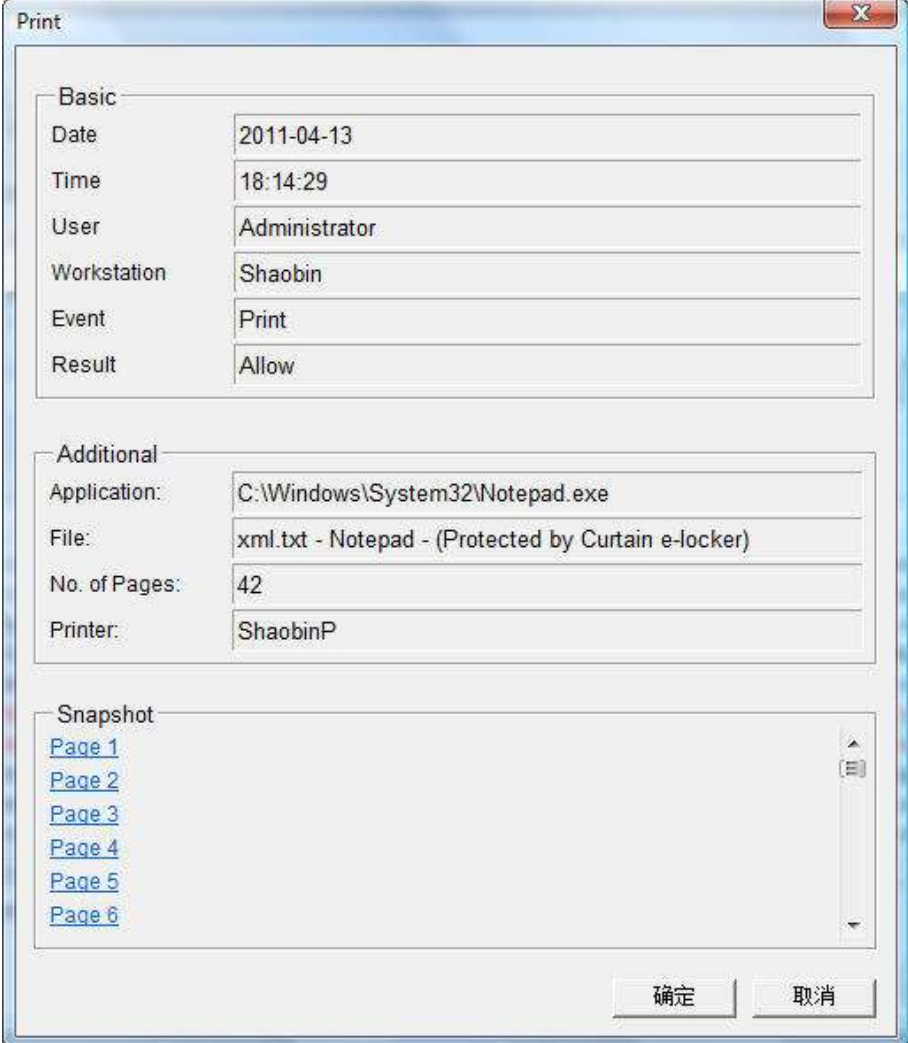


The screenshot shows the 'Audit Trail' application window. It features a 'Searching Criteria' section with fields for 'From' (1/ 9/2008), 'To' (10/ 9/2008), 'Keywords', and 'Files'. There are also fields for 'Users', 'Workstations', and 'Events', each with a browse button (...). A 'Success entries only' checkbox is present. Action buttons include 'Advanced...', 'Clear', and 'Search'. Below the search criteria is a 'Results' section containing a table of audit records. The table has columns for Date/Time, User, Worksta..., Event, Result, and Description. The results show various file operations performed by user 'kelvinc' on 'kelvin-Vista' workstations. At the bottom, it states 'Found 348 record(s)' and includes 'Print...', 'Export...', and 'Close' buttons.

Date/Time	User	Worksta...	Event	Result	Description
2008-09-10 14:26:22	kelvinc	kelvin-Vista	Launch	Success	Launch file [Z:\Sales & Marketing Dept\Proposal ]
2008-09-08 14:23:32	kelvinc	kelvin-Vista	Copy Out	Success	Copy file [Z:\Sales & Marketing Dept\PowerPoint
2008-09-08 14:23:24	kelvinc	kelvin-Vista	Copy Out	Success	Copy file [Z:\Sales & Marketing Dept\PowerPoint
2008-09-08 14:17:59	kelvinc	kelvin-Vista	Copy Out	Success	Copy file [Z:\Sales & Marketing Dept\PowerPoint
2008-09-08 14:17:30	kelvinc	kelvin-Vista	Local Rename	Success	Rename file [Z:\Sales & Marketing Dept\Brochure
2008-09-08 14:17:20	kelvinc	kelvin-Vista	Local Rename	Success	Rename file [Z:\Sales & Marketing Dept\Brochure
2008-09-08 14:17:12	kelvinc	kelvin-Vista	Local Rename	Success	Rename file [Z:\Sales & Marketing Dept\Brochure
2008-09-08 14:16:39	kelvinc	kelvin-Vista	Local Copy	Success	Copy file [C:\Users\kelvinc\Desktop\Integrated_
2008-09-08 14:16:39	kelvinc	kelvin-Vista	Local Copy	Success	Copy file [C:\Users\kelvinc\Desktop\Integrated E
2008-09-08 11:50:01	kelvinc	kelvin-Vista	Copy Out	Success	Copy file [Z:\R&D Dept\Documents\Manual\Micro

## Print log

- Allow some users to print protected documents out. e-locker will log below information.
  - Date / Time
  - User / Workstation
  - Result (Allow, Deny, etc)
  - Application
  - Printer
  - Filename / Title
  - No. of Pages
  - Snapshot of printouts



The screenshot shows a 'Print' log window with the following information:

Basic	
Date	2011-04-13
Time	18:14:29
User	Administrator
Workstation	Shaobin
Event	Print
Result	Allow

Additional	
Application:	C:\Windows\System32\notepad.exe
File:	xml.txt - Notepad - (Protected by Curtain e-locker)
No. of Pages:	42
Printer:	ShaobinP

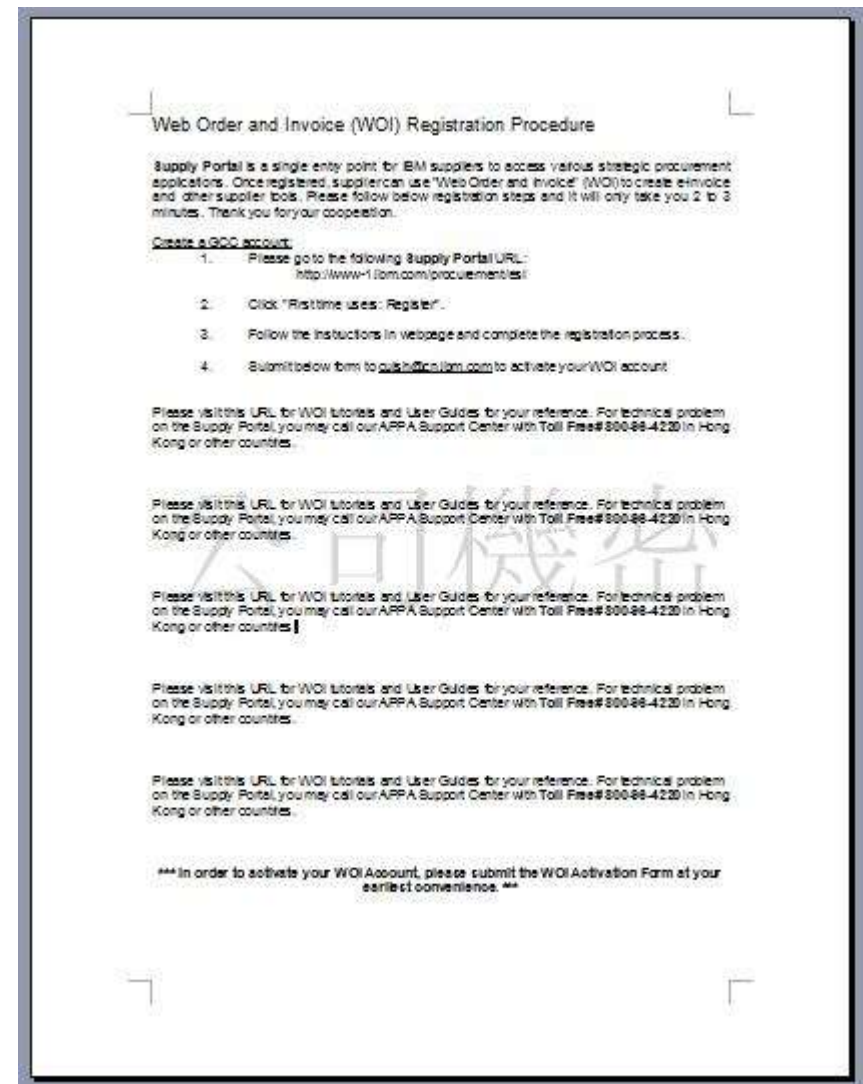
Snapshot

- [Page 1](#)
- [Page 2](#)
- [Page 3](#)
- [Page 4](#)
- [Page 5](#)
- [Page 6](#)

Buttons: 确定 (OK), 取消 (Cancel)

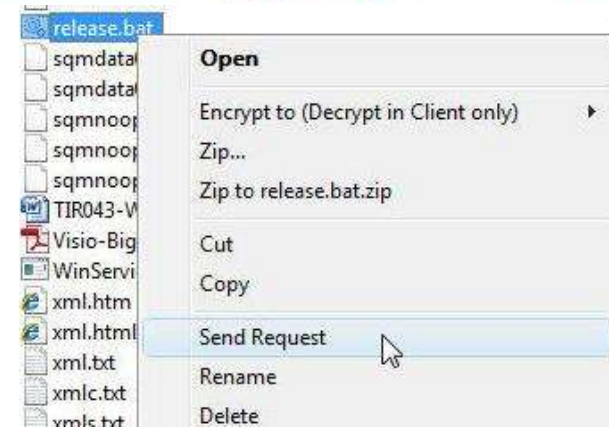
# Watermark

- Allow some users to print protected documents out with self-defined watermark
  - Date / Time
  - User / Workstation
  - Printer name
  - Page number
  - Self-defined sentence
  
- Adjustable
  - Margins
  - Font colour
  - Font size
  - Transparency



# Send request

- If an unauthorized user needs to copy a protected document out, the user can submit a Request for approval.
  - Select protected document(s) and right-click to select "Send Request"
  - After complete the form (e.g. Request reason), the request will be sent to approver
  - Approver can approve or reject the request
  - The whole approval process will be logged in Audit Trail



**Send Request** [X]

Request Files

C:\ProtDir\KELVIN\Part-01567875-designBOM.xlsx

Requester \*

Steve Cheng

Email of Requester \*

stevec@coworkshop.com

Request Reason

need to send design to factory

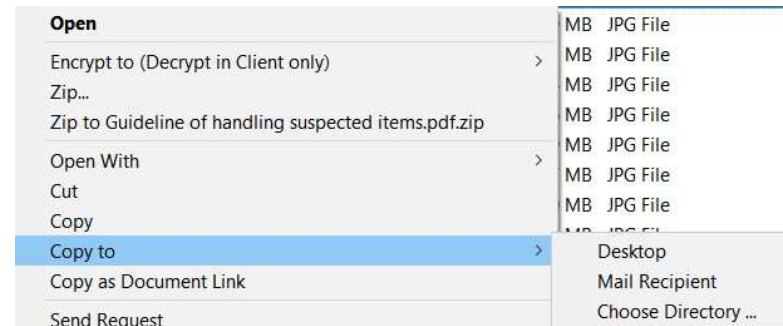
Select Approver \*

Approver Name	Email	Position	Remarks
Kelvin Cheung	kelvinc@c...	IT Director	
David Lam	davidl@c...	Head of Production	

Auto-sending Send Request email through SMTP

# Copy-out with declaration

- Admin can allow authorized users to copy protected document out after filling up declaration form. The log can be sent to team heads periodically. No Approval is needed
  - Select protected document(s) and right-click to copy file out
  - After complete the form and click OK, the file will be copied out from protected zone
  - Admin can enable Auto-Send function, to deliver the log to different dept/team heads periodically
  - The form is self defined



**File Copy Out Reason** ✕

Please fill in the reason of file copy out(Must)

for Security Bureau review

10~200 english characters or 5~100 chinese characters

Send To(Must)

Other External Organizations

Data Type(Must,Select at least one item)

Customer Personal Data    Customer Data Number: 1 to 50 (Small)

Customer Financial Data    Customer Data Number: 1 to 50 (Small)

Our Bank Financial Data

Other Sensitive Data

Non Sensitive Data

Other Remarks

10~200 english characters or 5~100 chinese characters

OK
Cancel

## USB token login



- By default there is no password needed for Curtain Client
- Admin can enable Client Password, to enforce users to login Curtain Client by password / USB token
- After enable this, users will be requested to set password OR insert USB token with digital certificate next time when launching Curtain Client





# Curtain Admin delegation

- Super-admin can create administrator accounts and assign them to different admin groups
- Delegate administrative permissions to different admin groups (e.g. allow an admin group to maintain a specific policy group)
- Operations in Curtain Admin will be logged for audit purpose



Module	Permission
<ul style="list-style-type: none"> <li>Global settings</li> <li><b>Policies</b> <ul style="list-style-type: none"> <li>Default Policy</li> <li>Wait for assignment</li> <li>Managers</li> <li><b>Legal team</b></li> <li>Allow-Print</li> <li>Account team</li> </ul> </li> <li>Client</li> <li>User and Group</li> <li>Client - Protected Area</li> <li>Administrator Audit Trail</li> <li>Client Audit Trail</li> <li>Administrator and Group</li> </ul>	<input checked="" type="checkbox"/> View <input checked="" type="checkbox"/> Modify
	<b>Module description</b> Policy Management, includes: - All settings of a policy - Rename and delete a policy



# Control policies



- Control policies can be assigned per Workstation OR User
- Support both Domain and Workgroup environment
- User/user group information can be imported from Active Directory through LDAP

Settings

Port Exception	Share Exception	Password Management
Local Encrypted Drive	File Operation Audit	Database
Settings	Server Information	Network Drives Protection
Watermarks	LDAP	Assignment of Security Policy

Assignment of Security Policy

Assigned by Computer  
 Assigned by User

LDAP

Enable LDAP

LDAP Server Address

LDAP Server Port

SSL

Use Secure LDAP Connection

LDAP Username

LDAP Password

LDAP Search Base

LDAP Information Caching  Minutes

# Specific approver & printer



## Approvers for Send Request:

- Admin can assign different approvers to different policy groups for approving copy-out request. It makes sure that users can only submit request to right approver

## Allowed printers:

- Admin can specify allowed printers for different policy groups. It makes sure that sensitive documents can be only printed out in a right place

Legal team

Settings System Policy Applications Local Settings Advanced Settings

Approvers

Approver Name	Email	Windows Username	Position
Kelvin Cheung	kelvinc@...	Kelvin-Samsung\kelvin	IT Director
David Lam	davidl@c...	Coworkshop\DavidLam	Head of Production

Printer

Enable local printer

Printer Name	Remarks
EPSON AL-M1200 Advanced	Located in 12/F corridor

## A complete solution

### **Office:**

- Users can work with sensitive information within protected zone
- Users cannot copy files out by all means
- Information is SECURED

### **USB disk (e.g. backup files):**

- Files are encrypted in USB disk
- If USB disk is lost, information is still SECURED

### **Share sensitive files with colleagues:**

- Users can encrypt and send sensitive files to colleagues
- Recipients can decrypt the files to their own protected areas for further file operation


# Agenda


- CURTAIN – Security challenges
- CURTAIN – How we safeguard your information



CURTAIN – Deployment

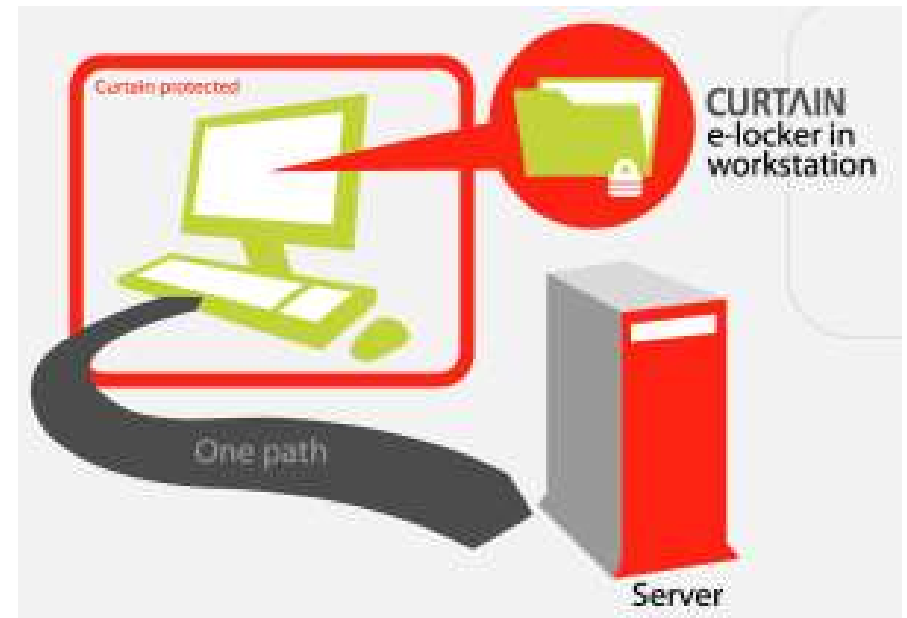
## Basic components

- **Curtain e-locker Client** 

Install in users' workstations. Users access protected files by using this client program
- **Curtain e-locker Policy Server** 

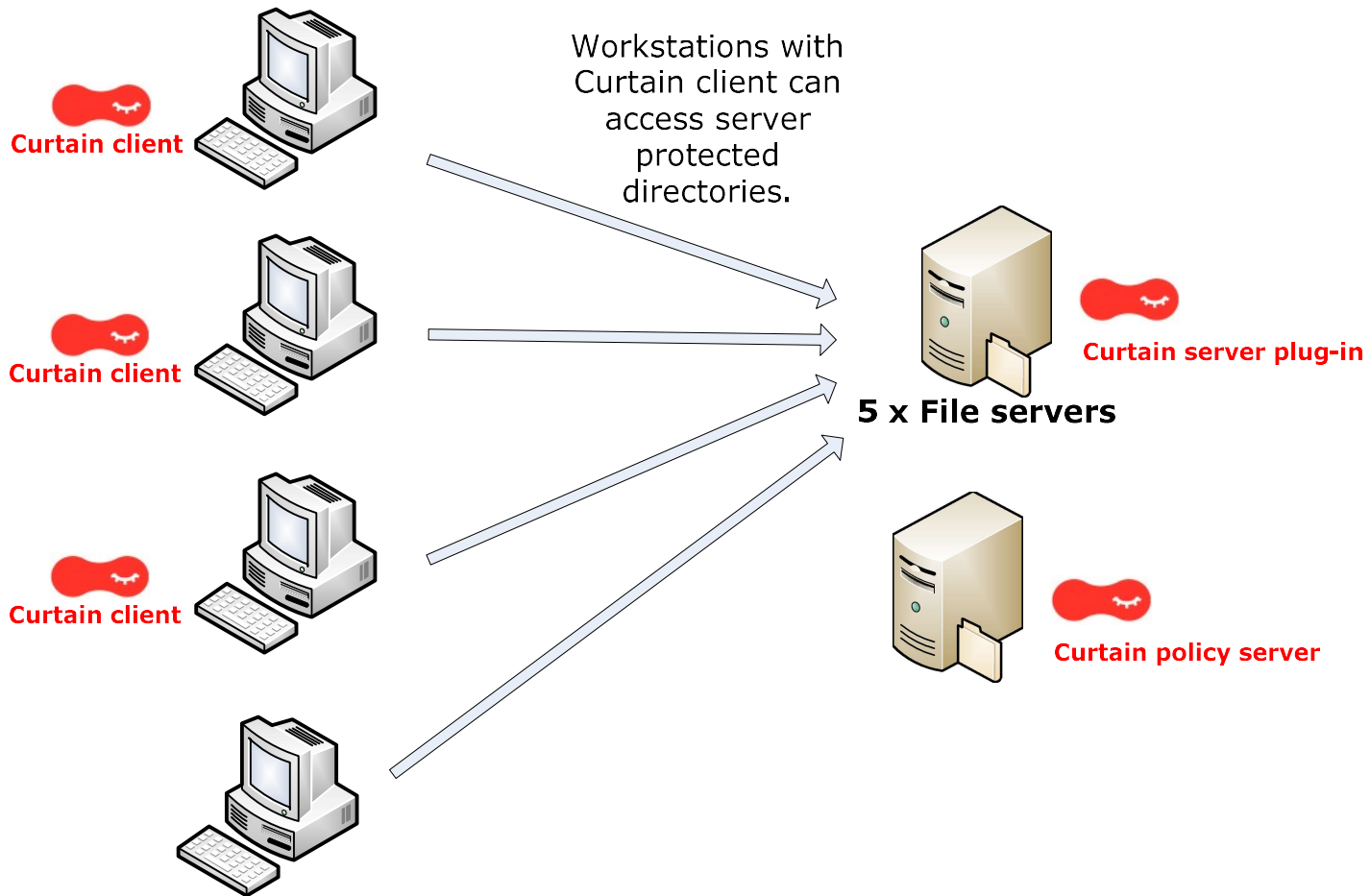
Install in server-side. Admin can define policies and view log centrally
- **Curtain e-locker Server Plug-in**

Install on server(s) you want to protect. For example, if you want to protect shared folders in 5 File servers, you need to install the plug-in in the 5 servers.



# Basic architecture

For example:



Workstation without Curtain client  
can ONLY access non-protected server resources

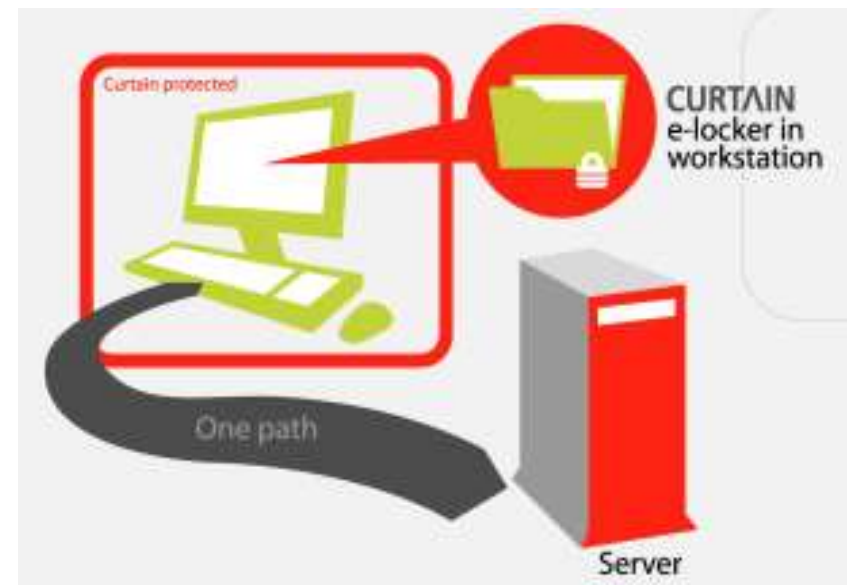
# System requirements

## **Curtain e-locker Client**

- Intel Pentium or above processor
- WinXP/Vista/Win7/Win8/Win10/  
Server 2003/2008/2012/2016/2019  
(both 32/64-bit)
- 128MB RAM (Recommended 256MB RAM)
- 200MB Hard Disk (in NTFS)
- TCP/IP network

## **Curtain e-locker Policy Server**

- Intel Pentium or above processor
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- TCP/IP network

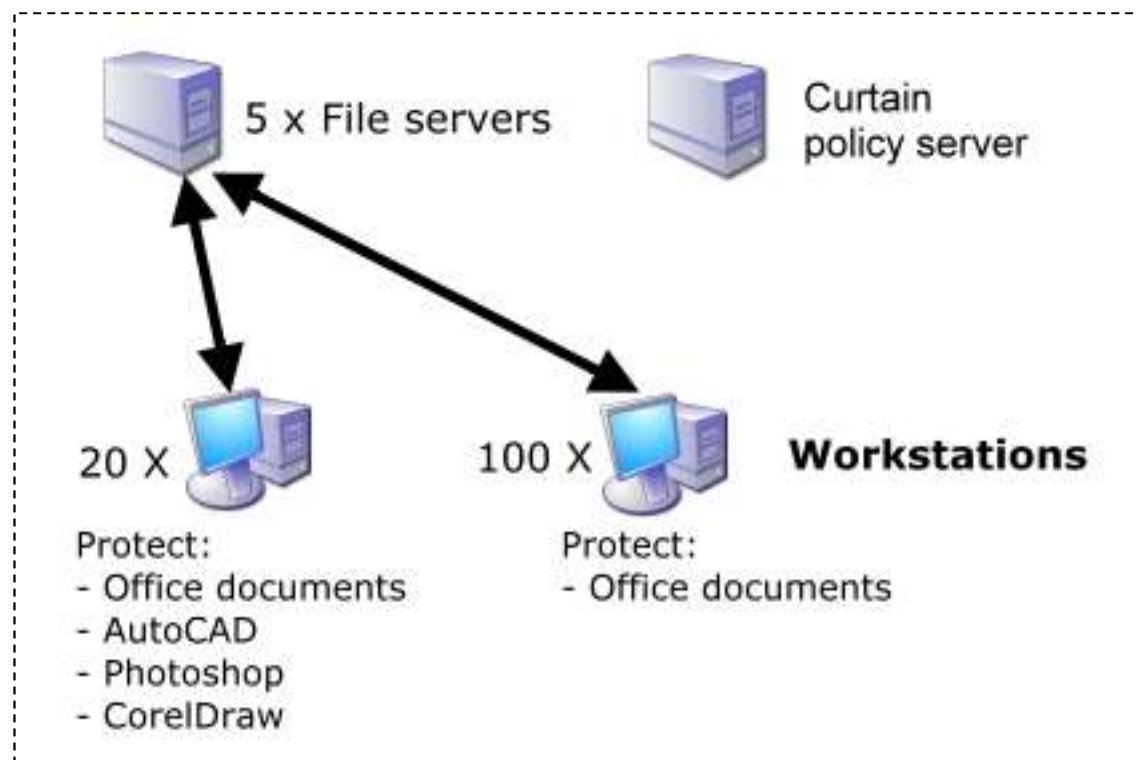




## Pricing model

- Select licensing scheme (Perpetual or Subscription)
- Select Curtain Office Suite license or Universal license
- Select Curtain module for Backend system

For example:

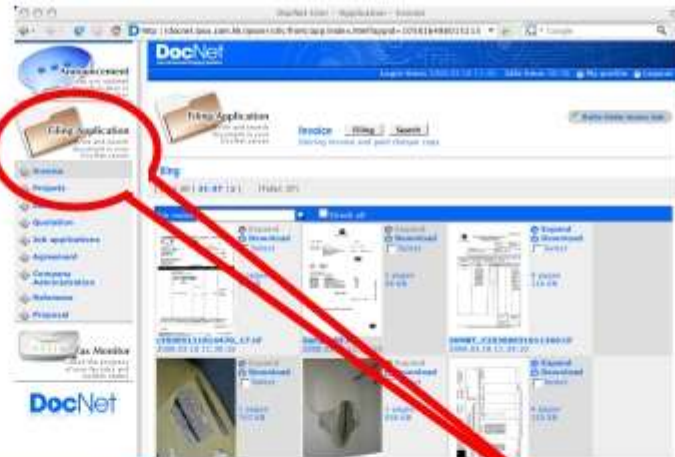


License:

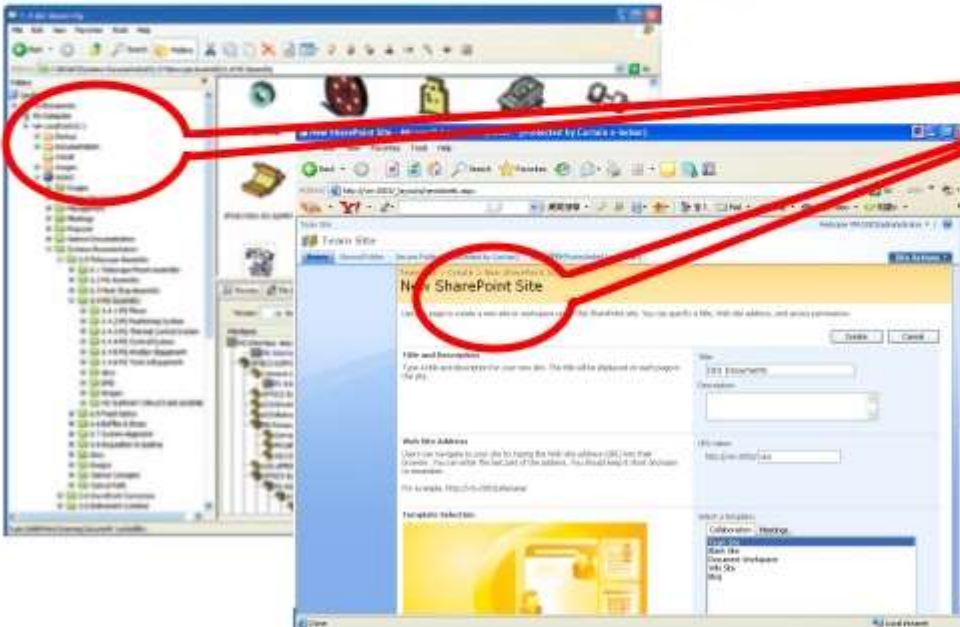
- 100 x Curtain office suite license
- 20 x Curtain universal license (cover all support applications)
- Curtain Protector for Windows file server (*only 1 license needed*)
- First year software maintenance & upgrade is included

# Secure information EVERYWHERE

Curtain in Konica Minolta  
DocNet (web based system)



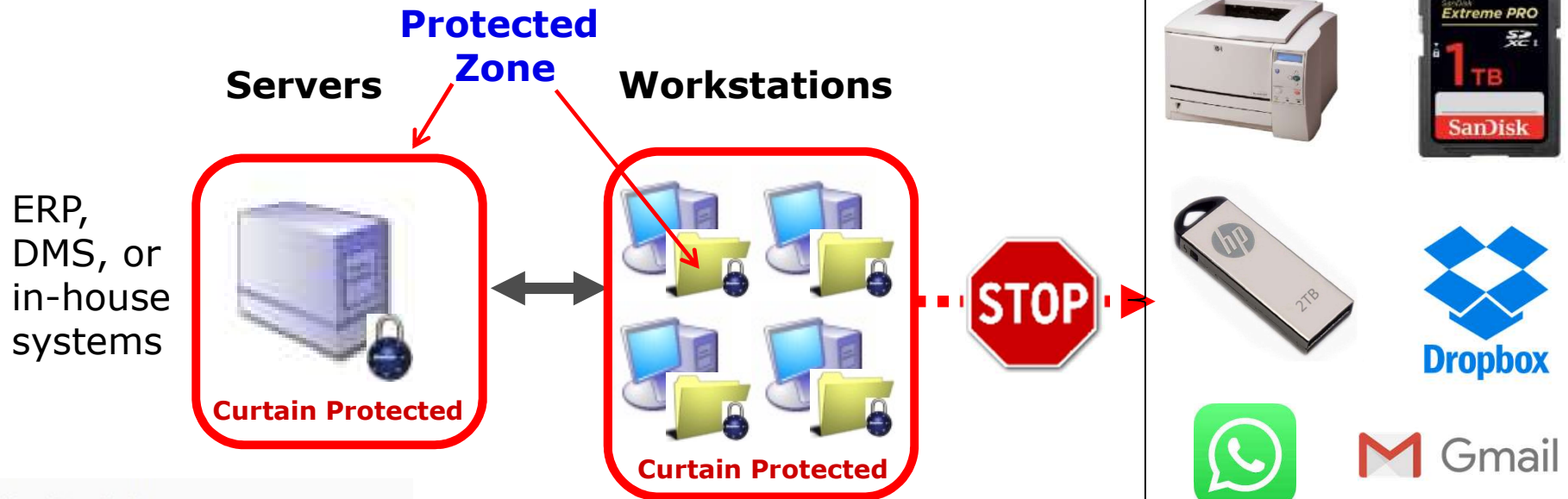
Curtain in  
SolidWorks PDMWorks



Curtain in Microsoft  
SharePoint

- Software Development Kit (SDK) is available
- Curtain e-locker can be used to secure third parties solutions or your self-developed system

# Architecture



## Curtain e-locker

- ✓ Save As (In Protected Zones)
- ✗ Save Anywhere
- ✗ Send
- ✗ Print
- ✗ Watermark for Printouts
- ✗ Snapshot for Printouts
- ✗ Print Screen
- ✗ Copy Content to Anywhere

Curtain client must be installed, in order to connect to protected backend system. A local protected directory will be created.

- Backend system is protected
- Only secure client can connect to protected backend system
- All unauthorized actions are prohibited

## Some of our customers

KADANT

DKNY

agnès b.

TSL | 謝瑞麟

 国泰君安证券  
GUOTAI JUNAN SECURITIES

 Tahoe  
泰禾人壽

 中銀集團保險有限公司  
BANK OF CHINA GROUP INSURANCE COMPANY LIMITED

 政府化驗所  
Government Laboratory

 地產代理監管局  
ESTATE AGENTS AUTHORITY

 利記集團  
LEE KEE GROUP

 Fujikon

 SUNLIGHT REIT  
陽光房地產基金

 SARASIN

 Vermeer

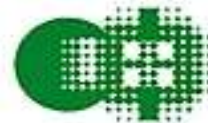
 首長國際企業有限公司

 UNIVERSAL UJDC  
Manufacturer Since 1949

 香港童軍總會  
SCOUT ASSOCIATION OF HONG KONG



## Some of our customers



香港申訴專員公署  
OFFICE OF THE OMBUDSMAN, HONG KONG



## Some of our customers



"... I love my Curtain e-locker software. And I am very impressed with how this company cares for my companies concerns. I would recommend this product to my friends. "

Mr. Jim Steen  
Owner of Move bumpers, USA

# Awards

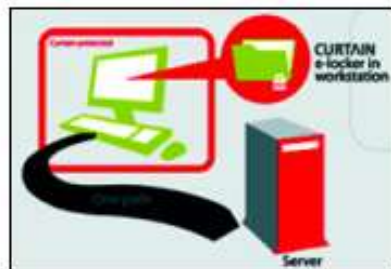


## Curtain™ e-locker - File Right Management System

Submitted by Coworkshop Solutions Ltd



Curtain™ e-locker is a File Rights Management system that prevents sensitive files from leaking out of an organization. Curtain™ e-locker allows users to access and edit such files by using native software such as MS Word, MS Excel, AutoCAD and SolidWorks but prevents printing, saving as, or sending the files to external sources such as floppies, USB disk, CD-R/RW or Internet mail.

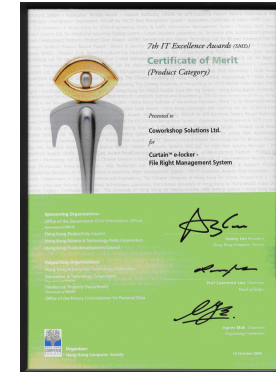


### Judges' Comments

"An interesting software solution, allowing files to be uploaded only back to the server or document management system they were downloaded from."



## "IT Excellence Award"



## Asia Finalist in the Best Security of the GSC 2010

GLOBAL SECURITY CHALLENGE



### Awards & Quality Certificates



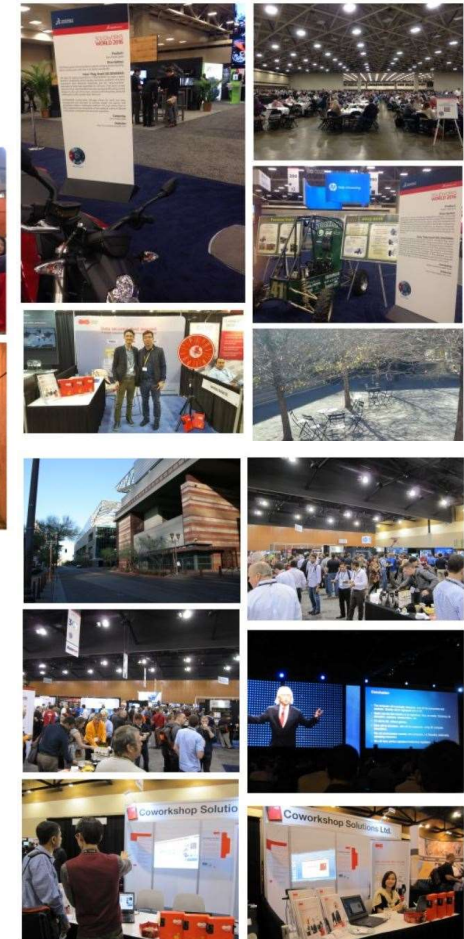


# Partners

Over 100 resellers and partners around the world



## Seminars and Exhibitions



## SOLIDWORKS Solution Partner

## About Coworkshop

- Coworkshop was established in 2001.
- Office in Hong Kong and ShenZhen
- Awarded in 2001 by Hong Kong Science and Technology Parks (HKSTP) to be a member of the Incu-Tech Program.
- Supported by the Hong Kong Government – Innovation and Technology Fund in the years of 2003 and 2004.



## Conclusion

Sensitive information can be leaked out of the company without your knowledge. When you know the leakage, it is already too late.



Let Curtain e-locker  
protect your valuable  
information!!!

# Thank You

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[www.coworkshop.com](http://www.coworkshop.com)