



Best choice for document management
and document security!

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- Customer



NetID Product Part.1 01 Document Centralization Solution

- Why Document Centralization?
- Solution Introduction
- Customer Cases

Net ID Product Part2

Backup Solution

- ClouDoc Backup Solution Common Functions
- ClouDoc Backup Solution Comparison

A close-up photograph of a person's hands typing on a laptop keyboard. The image is overlaid with a semi-transparent blue filter. In the upper right corner, there is a small yellow square icon. The text "Why Document Centralization?" is written in white, bold, sans-serif font across the middle-right portion of the image.

Why Document Centralization?

Background of Document Centralization



01
Leakage of cutting
edge technology
by industrial spy



02
Leakage of customer
personal information
frequently occurred

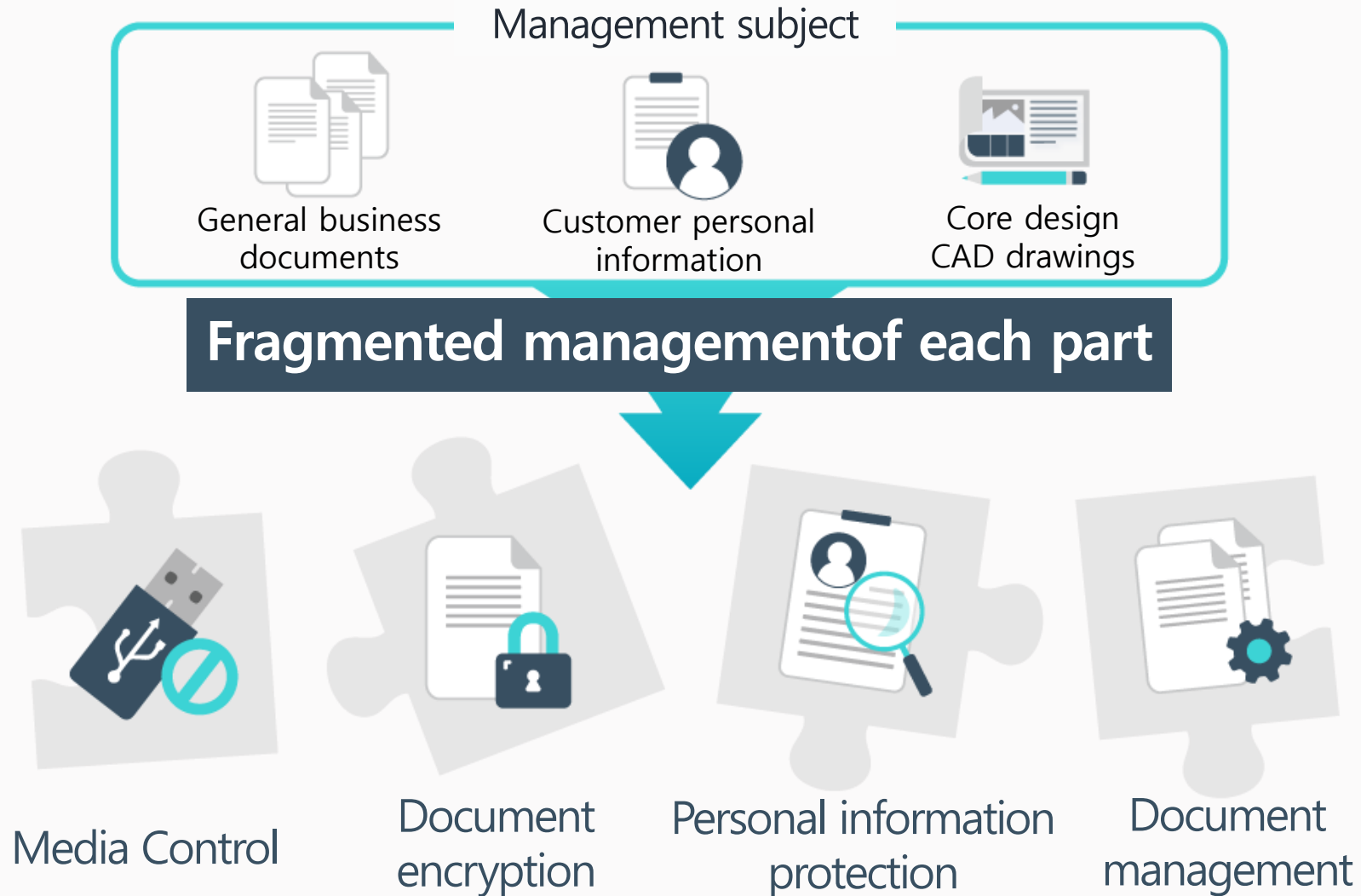


03
Loss of
Documents
by ransomware



04
Temporary /Monetary
loss by document
retrieval

Existing countermeasures method



Problems of existing countermeasures method



Difficulty of management



Limited document security



Possibility of leakage



PC performance reduction



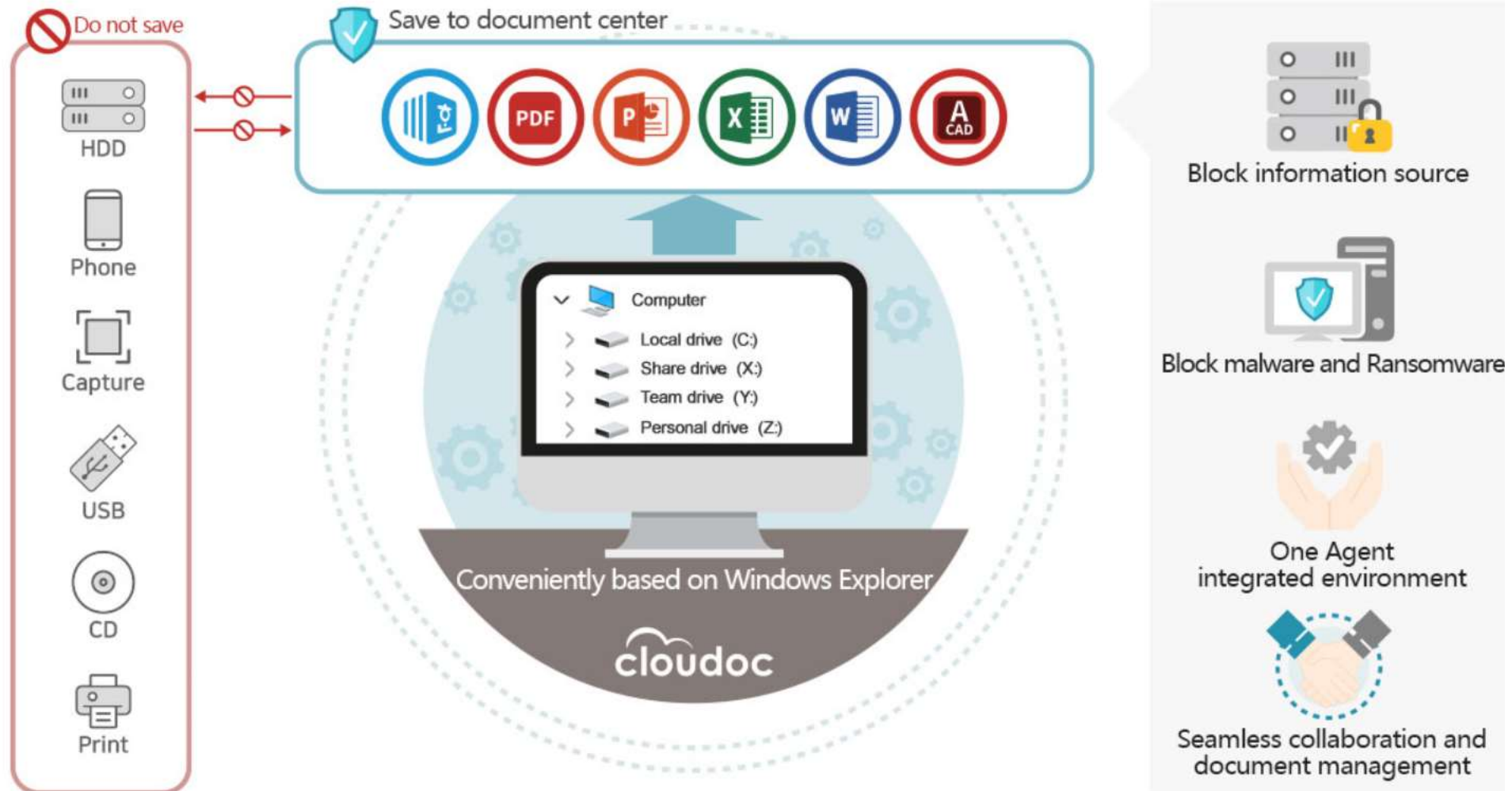
Lost password



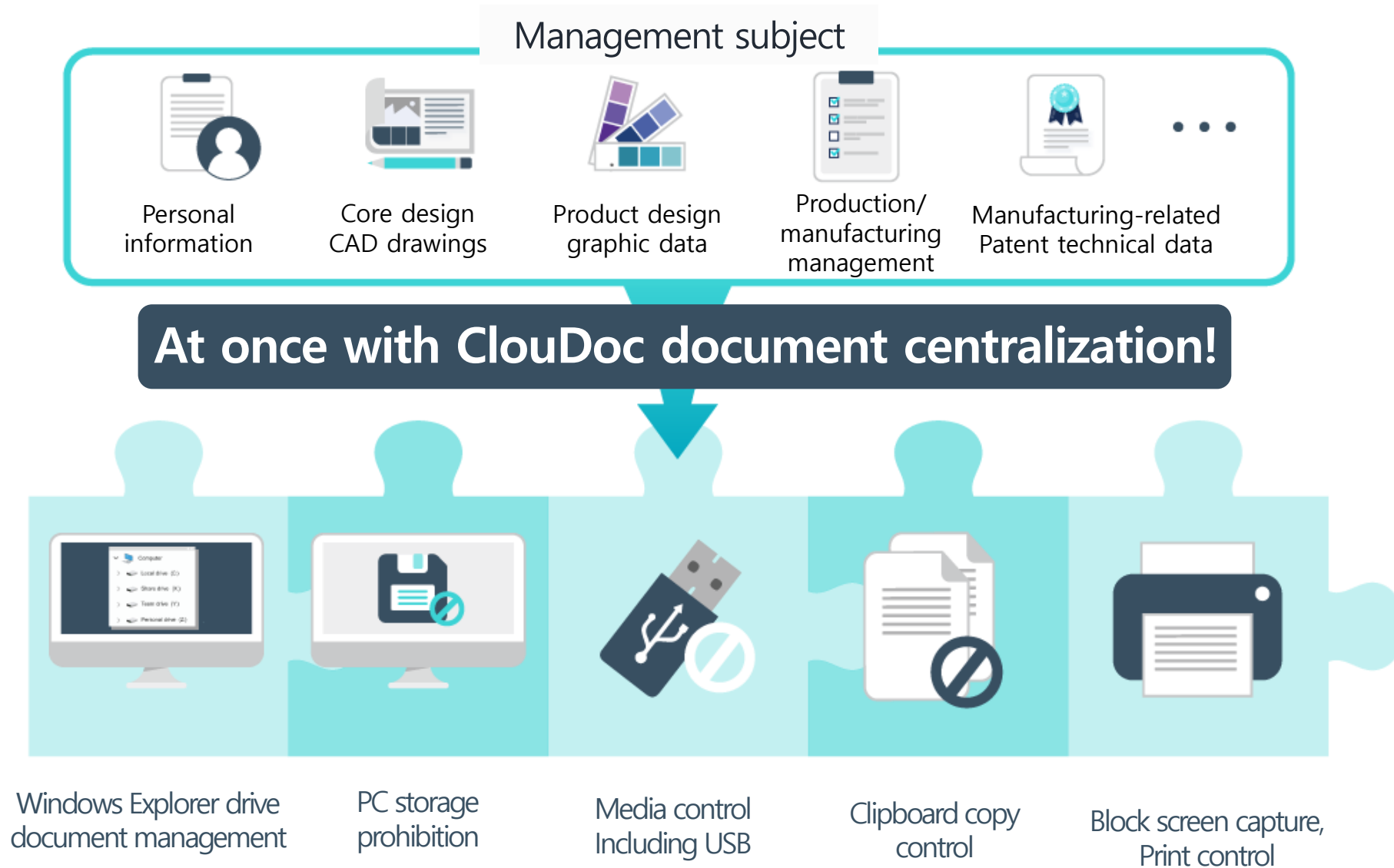
No countermeasure for ransomware

Document centralization countermeasure method

Document security and collaboration
through centralization



Document centralization countermeasure method



Features of document centralization method



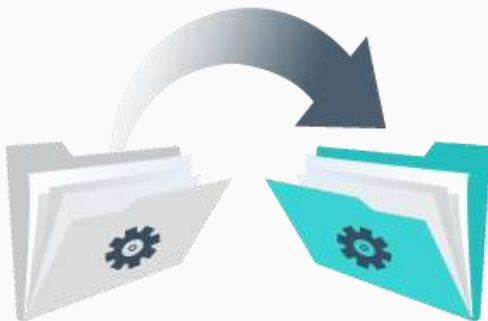
01 Intensive document management



02 Information leakage blocking



03 Continuity of work



04 Smooth takeover



05 One Agent integrated environment



06 Ransomware blocking

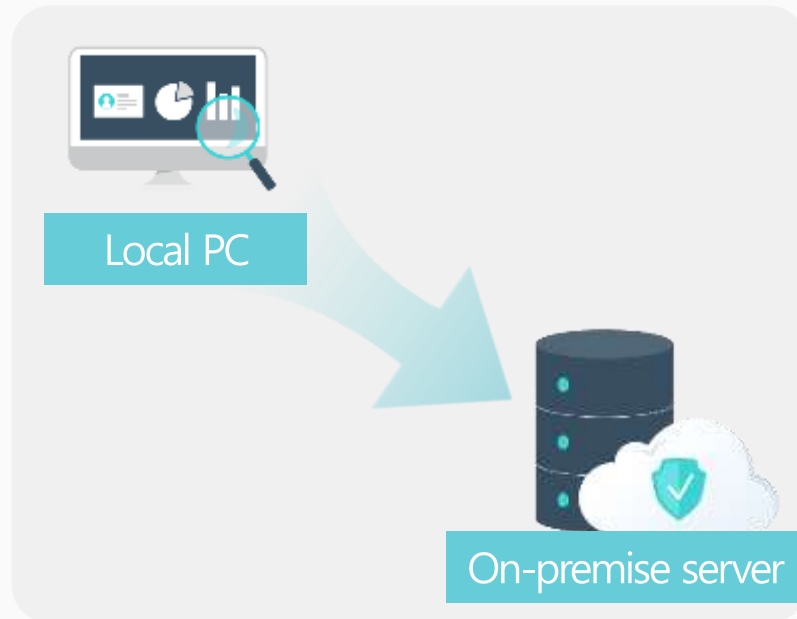


Solution introduction (ClouDoc VS mcloudoc)

ClouDoc VS. mcloudoc

On-premise

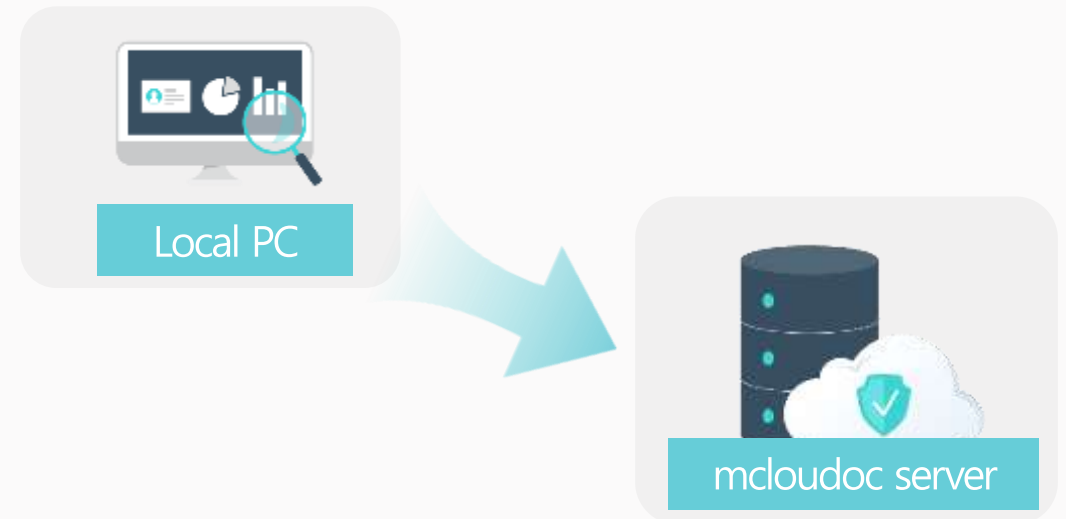
cloudoc



- Over 30 users available
- Direct management with on-premise deployment servers
- Server rental is also available

Cloud Service

mcloudoc



- Can be used anywhere in the workplace for 5 employees or more!
- Can be used without computer rooms, management equipment and personnel
- Charge only for the use of the month
- Provides the same functionality as ClouDoc
- All data is saved to be encrypted with separate key by each customers

◀mcloudoc Disk Lock Policy Support▶

| | |
|-----------------------|---|
| Editors | MS Word, MS Powerpoint, MS Excel, HanGul(HWP), JungUMGW, NotePad, WordPad, UltraEdit, Evernote, OneNote |
| pdf reader | Acrobat(Reader, PDF), Foxit Reader, NPDF |
| CAD | AutoCAD, AutoCAD LT, Inventor, ZwCAD, SolidWorks |
| Graphics | PhotoShop, Illustrator, InDesign |
| Messenger | NateOn, Ucuware Messenger, KakaoTalk, Naver LINE, Skype, Naver BAND, HiworksMessenger |
| Web Browser | Internet Explorer, Firefox, Safari, Chrome |
| Mail Client | MS Outlook |
| FTP | XFTP, WinSCP, FileZilla |
| Remote Support | Windows Remote Desktop |

- **CAUTION** | Additional application policy setting costs additional expense (500,000 won per item / VAT excluded)

mcloudoc package module

Standard

Capitalize business documents

- **Basic**
 - Capitalize business documents
 - Invest less and get more
 - Efficient Collaboration Environment
- **Mobile**
 - Anytime, Any Where, Any Device
 - Responding to unexpected accidents
Business Continuity

Secure

As a trusted business partner

- **Basic**
- **Mobile**
- **DiskLock**
 - Capitalization of important company information and documentation
 - A more powerful and tight security system
- **DiskLock Plus**
 - Protect and manage your enterprise assets

Additional modules

Purchase additional modules only

- **Network lock**
- **Search engine**
- **External DRM**
- **External document exchange service**
- **PC log**
- **Secure viewer**
- **Personal information Protection**
- **Project version management**

* ClouDoc- Available with individual modules (Not Packaged)



Solution introduction

(Common Functions)

Document Centralization Solution Functions

Basic



Windows Explorer drive
UI support



Provides
personal/team/shared
document drive



Folder
sharing/link to
document



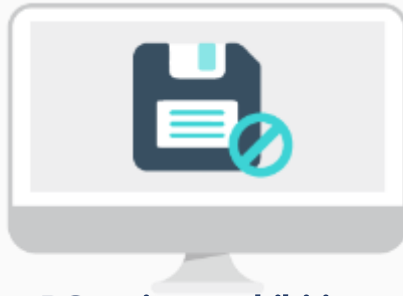
Version
Management/Locking



Send/Save
Encryption

Document Centralization Solution Functions

Disk Lock



PC saving prohibition
policy by
application category



Direct device control



- Google mail
- Skype
- Whats app
- Facebook
- We chat
- Kakaotalk ...

Web page/messenger not to
be attached



- Google drive
- One Drive
- Drop Box ...

Preventing Cloud
Information Leak



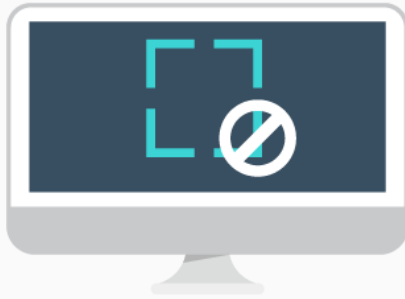
Export procedures by
export purpose



Ransomware
blocking functions

Document Centralization Solution Functions

Disk Lock Plus



Screen capture prohibition
Clipboard copy prohibition



Print log /
Print prohibition/
Print watermark



VM / VDI / REMOTE
Prevent information
leakage

Document Centralization Solution Functions

Mobile



Use of documents
inside/outside the
company



Full Text Search



Writing on the
background



Documents export
approval inside/outside
the company

- device authorization
- location tracking
- secondary authentication
- prohibition of 'save as other name/transfer'

Security

Document Centralization Solution Functions

Search engine



Provides content search function in Windows Explorer



Provides contents search of various file formats



Provides search function for document metainformation



Indexing and searching contents of scanned documents

Document Centralization Solution Functions

External DRM



Send encrypted folder as well as file



Online recipients are protected by
OTP, real-time blocking,
Browsing limits



Applicable to any document type



Send file as attachment and link



Offline recipients are protected by a
password



Ability to deliver links
without capacity limitations

Document Centralization Solution Functions

External document exchange service



External document exchange server
in DMZ



Process for requesting
the deletion of expired documents



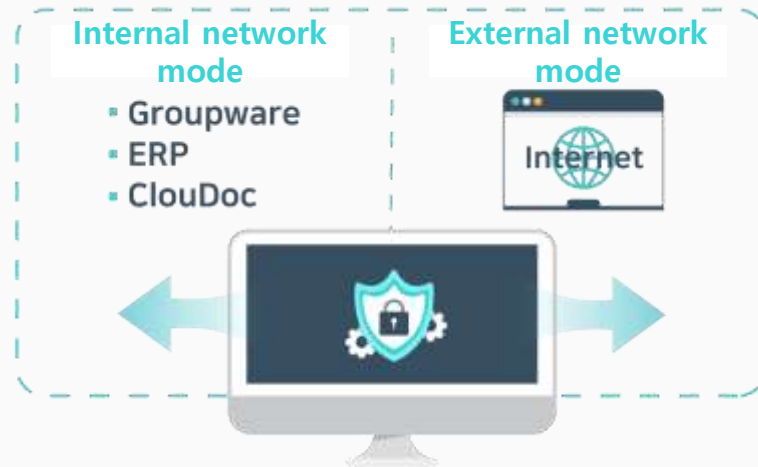
Internal employee sends document
link to partner company



Non-repudiation of document downloads
by partner company employees

Document Centralization Solution Functions

Network Lock



Internal network mode,
External network mode



Document exchange between networks

Document Centralization Solution Functions

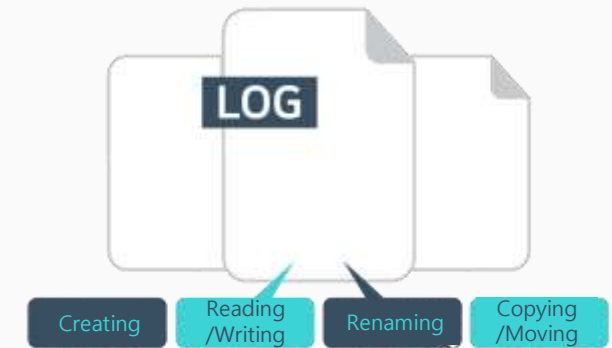
PC log



Record various local disk inputs and outputs



Restricts log acquisition subjects such as application, extension, path, and etc.



Assign log subject file input and output (creating, reading, writing, deleting, renaming, copying, and moving files)



Creates multiple policies to apply to individuals and teams



Provides statistical charts related to various logs

Document Centralization Solution Functions

Secure viewer



Office document conversion



View-only function without downloading
(Groupware, Webmail, etc.)



Write function
(Write, shape, underscore,
highlight, cancel line)

Document Centralization Solution Functions

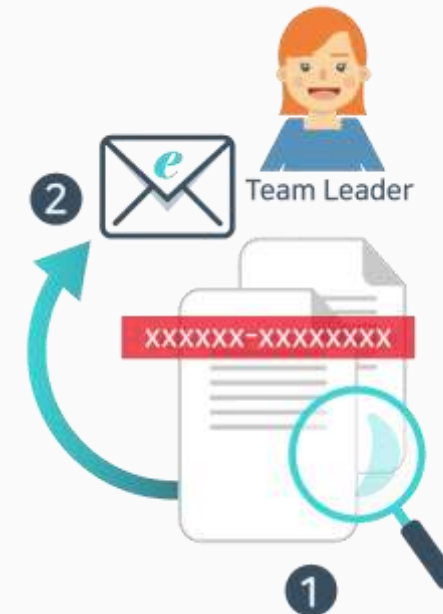
Personal information protection



Detecting personal information by personal and team document drives



User management functions for detecting personal information



Email report to individual, team leader, service manager, etc.

Document Centralization Solution Functions

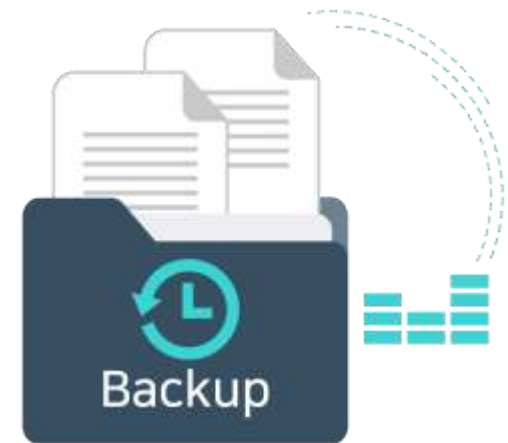
Project version management



Version management regardless of document type



Useful for 3D CAD drawing version management



Scheduled backup, incremental backup, restore in case

Document Centralization Solution Functions

Push service






Push service such as announcements, document export, link mail, payment approval, confirmation of approval request, approval, rejection



Support for mobile devices such as iOS and Android

ClouDoc / mcloudoc Features

| Compatibility | Security | Extendibility |
|---|--|---|
|  |  |  |
| <p>Exclusive Windows Explorer drive technology-based compatibility for performance, stability, network, security, etc. (100% netid self technology)</p> | <p>Hash value based security architecture, not program name</p> | <p>Provide essential additional features by industry based on document centralization</p> |

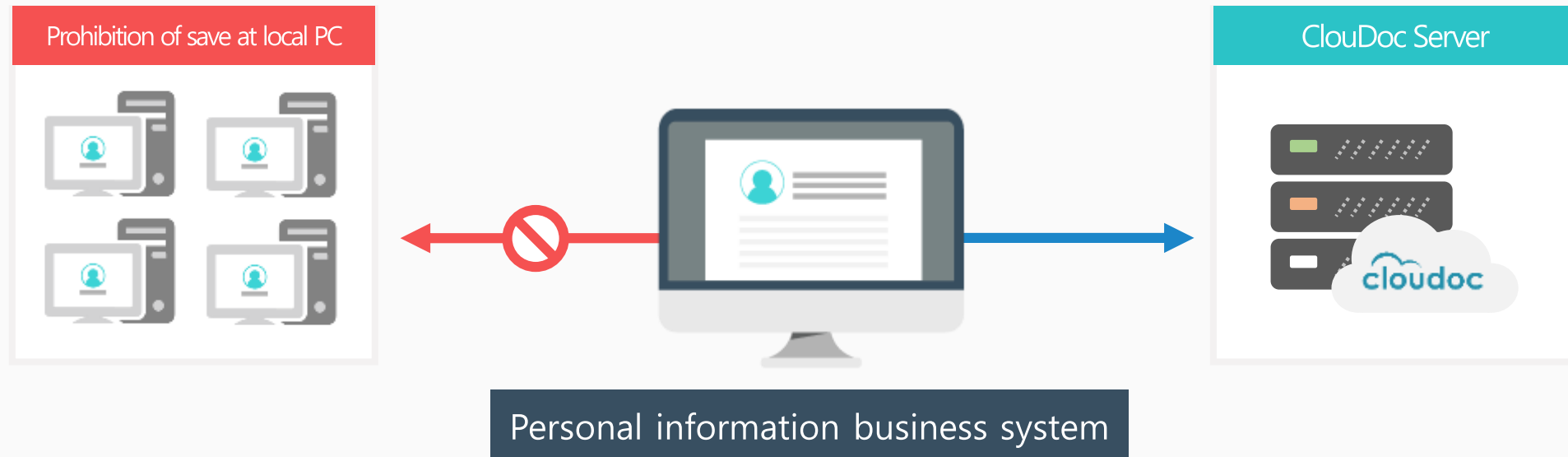


Customer Cases

Customer personal information security

Don't have to check all the PCs of your company.

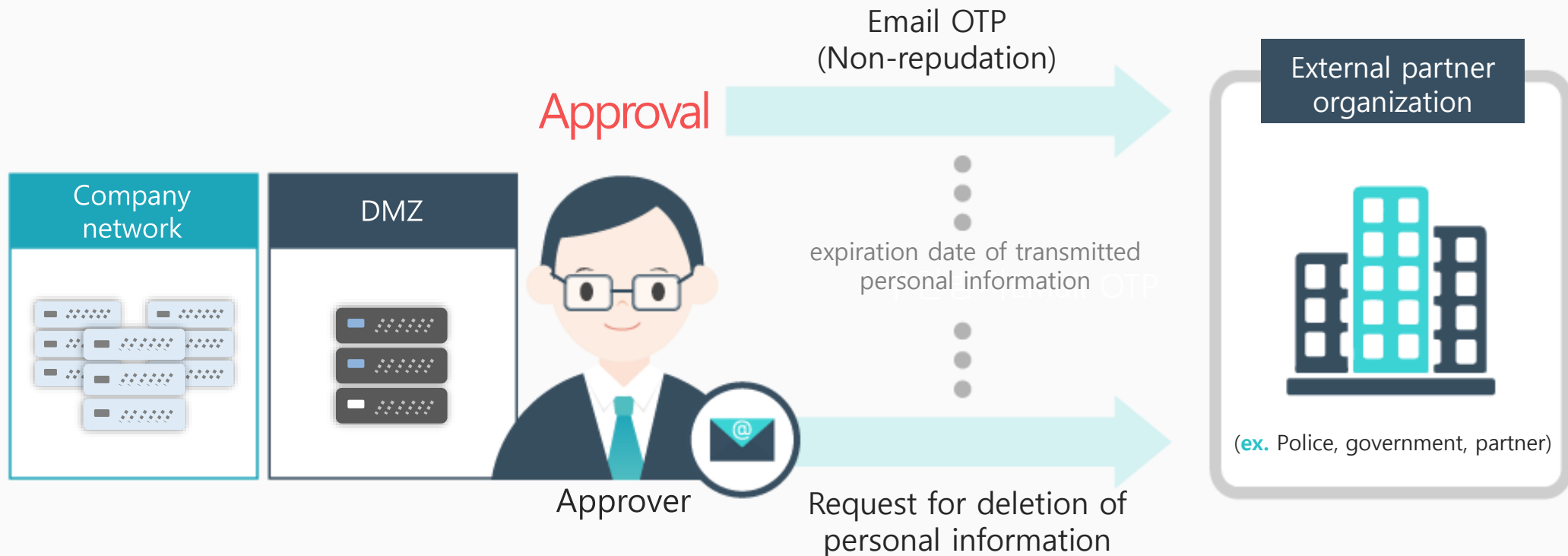
Simplify customer's personal information management to a single point.
No personal information saving is allowed for local disk.



Customer personal information security

Non-repudiation on receive, Post deletion

Email OTP provide non-repudiation on transmitted customer personal information.
Post deletion alert(after expiration) will be sent to the partners who received the data.

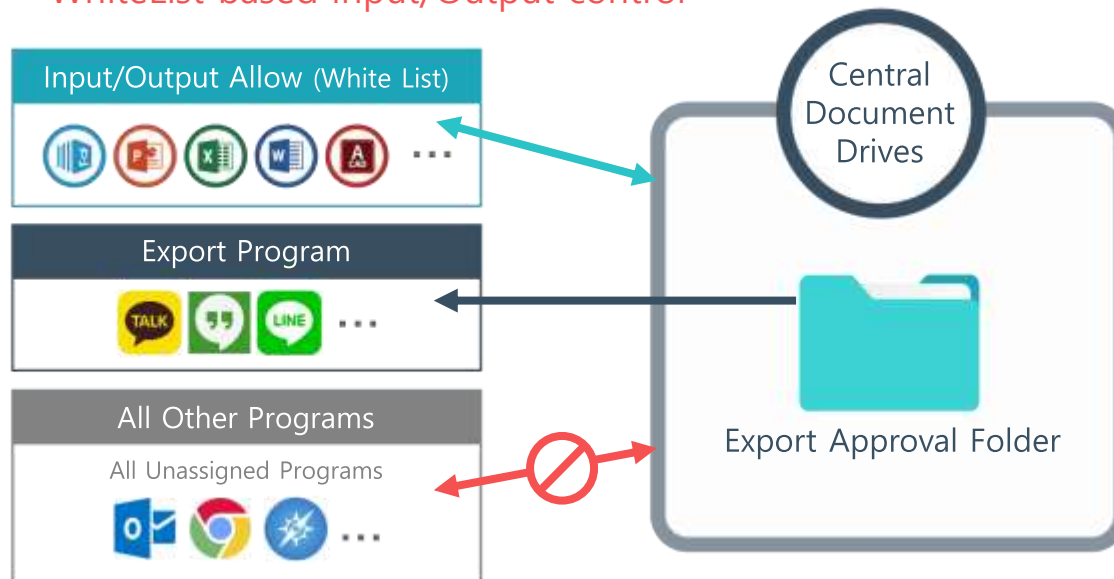


Countermeasures for Ransomware

prevention in advance, post-counteraction

Block Ransomware in advance

* WhiteList-based Input/Output control



Post-Counteraction

cloudoc Backup

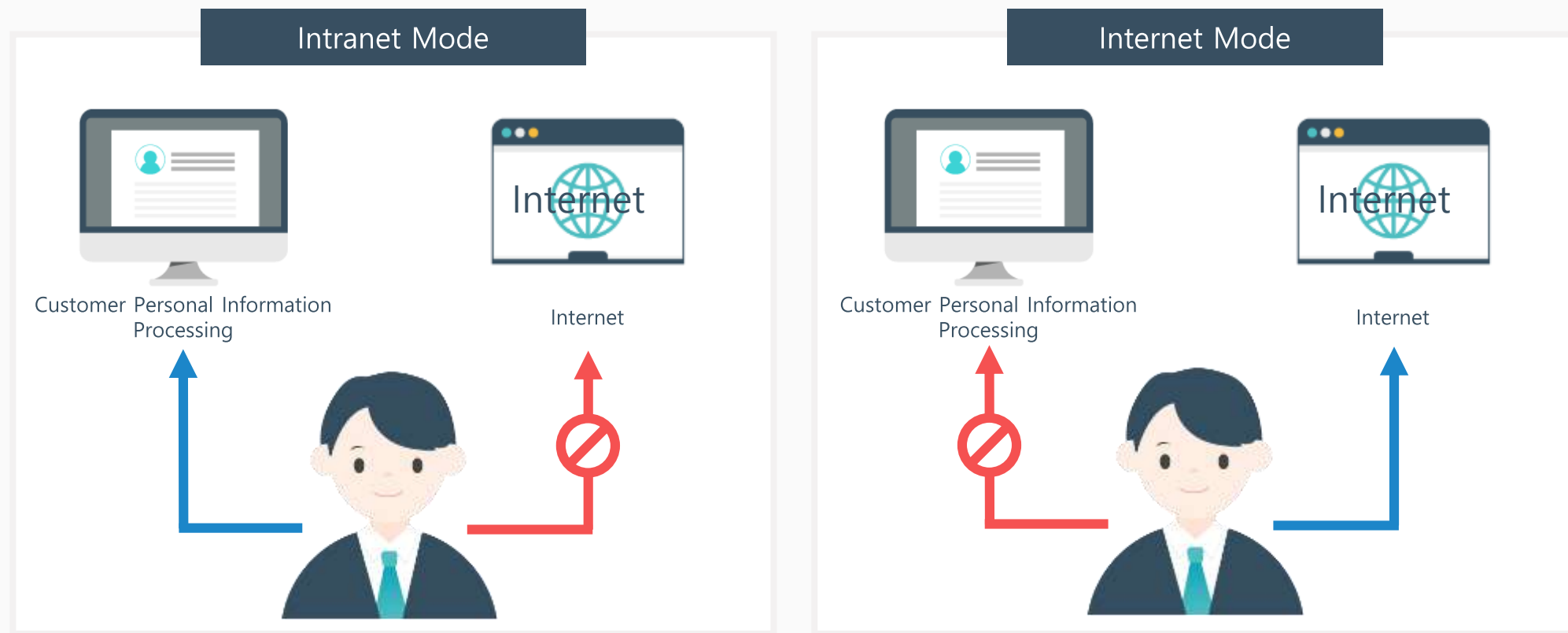
Backup & Restore



- Incremental backup as daily folder structure for the desired period
- You can recover specific files you want.

NetworkLock

Block internet while viewing customer's personal information only by software based network separation method.



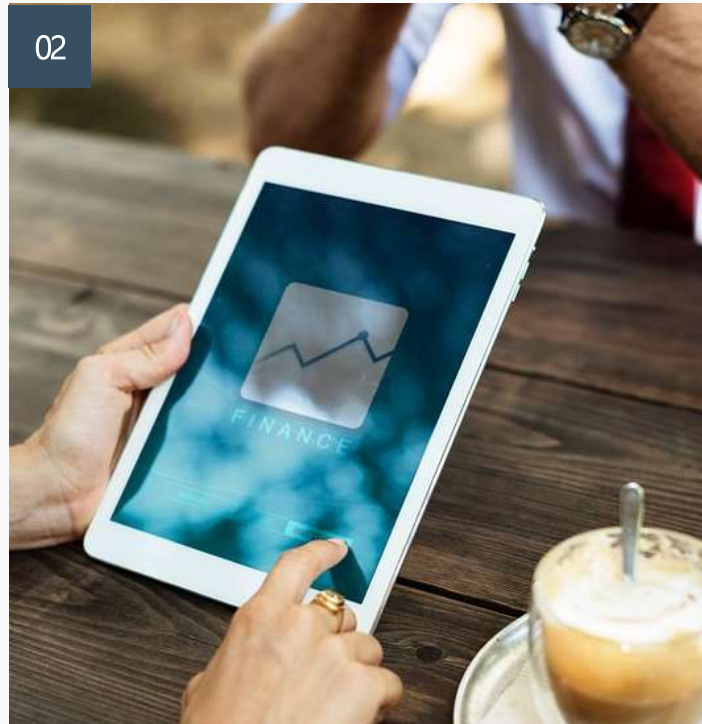
Paperless

01



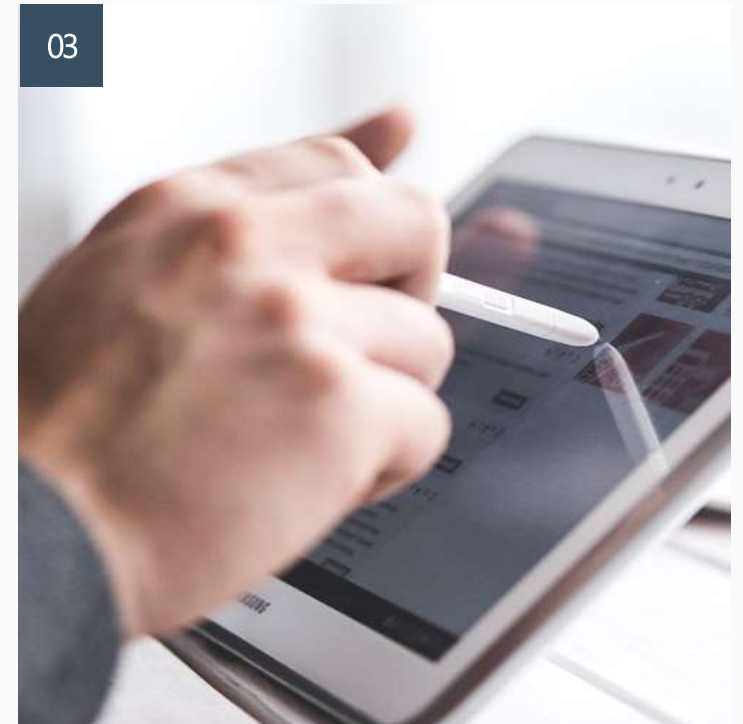
No printed paper meetings

02



Sales Meeting with customer

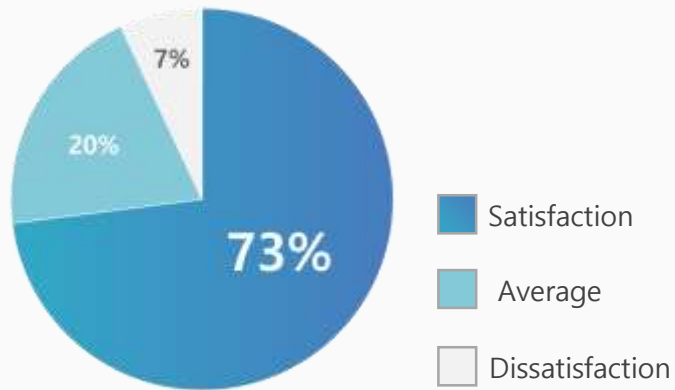
03



Approval Sign to documents

Paperless Effect

[Paperless Satisfaction Survey]



Reasons for employee satisfaction

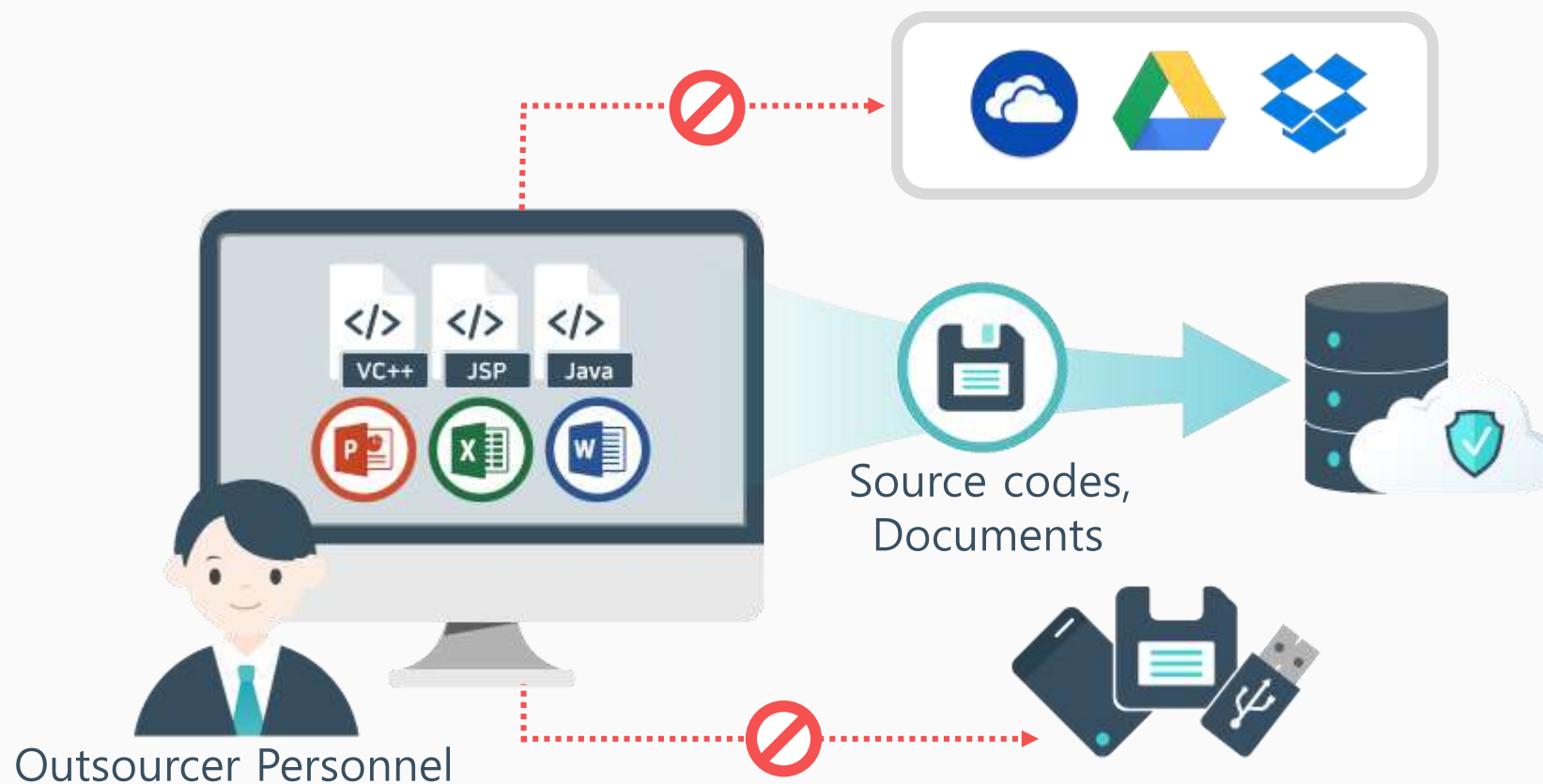
| | |
|---|-----|
| Centralization of all materials such as documents | 29% |
| Paper output frequency reduced by 48% | 27% |
| Ease of access to work using mobile | 26% |
| Accelerated approval and decision making | 16% |
| Increased work utilization through messenger and video conferencing | 2% |



Paperless environment meeting

Prevention of output leakage of outsourcer staff

Prevention of output leakage of IT system development outsourcer personnel



Prevent CAD Drawing Leakage

Centralize CAD Drawing



02

NetID Product Part.1

Document Centralization Solution

- Why Document Centralization?
- Solution introduction
- Customer Cases

NetID Product Part.2

Backup Solution

- ClouDoc Backup Solution Common Functions
- ClouDoc Backup Solution Comparison



ClouDoc Backup Solution Common Functions



ClouDoc Backup Solution Common Functions

File backup-N number snapshots are maintained!

It maintains whole folder structure at the relevant time as many time as desired by incremental backup only.

It maintains
original folder tree



Incremental
backup

Snapshot #1



Snapshot #2



Snapshot #3



...

Snapshot #n



N number snapshot, it takes up the capacity
as much as incremental backup only!

N number snapshot, it takes up the capacity
as much as incremental backup only!

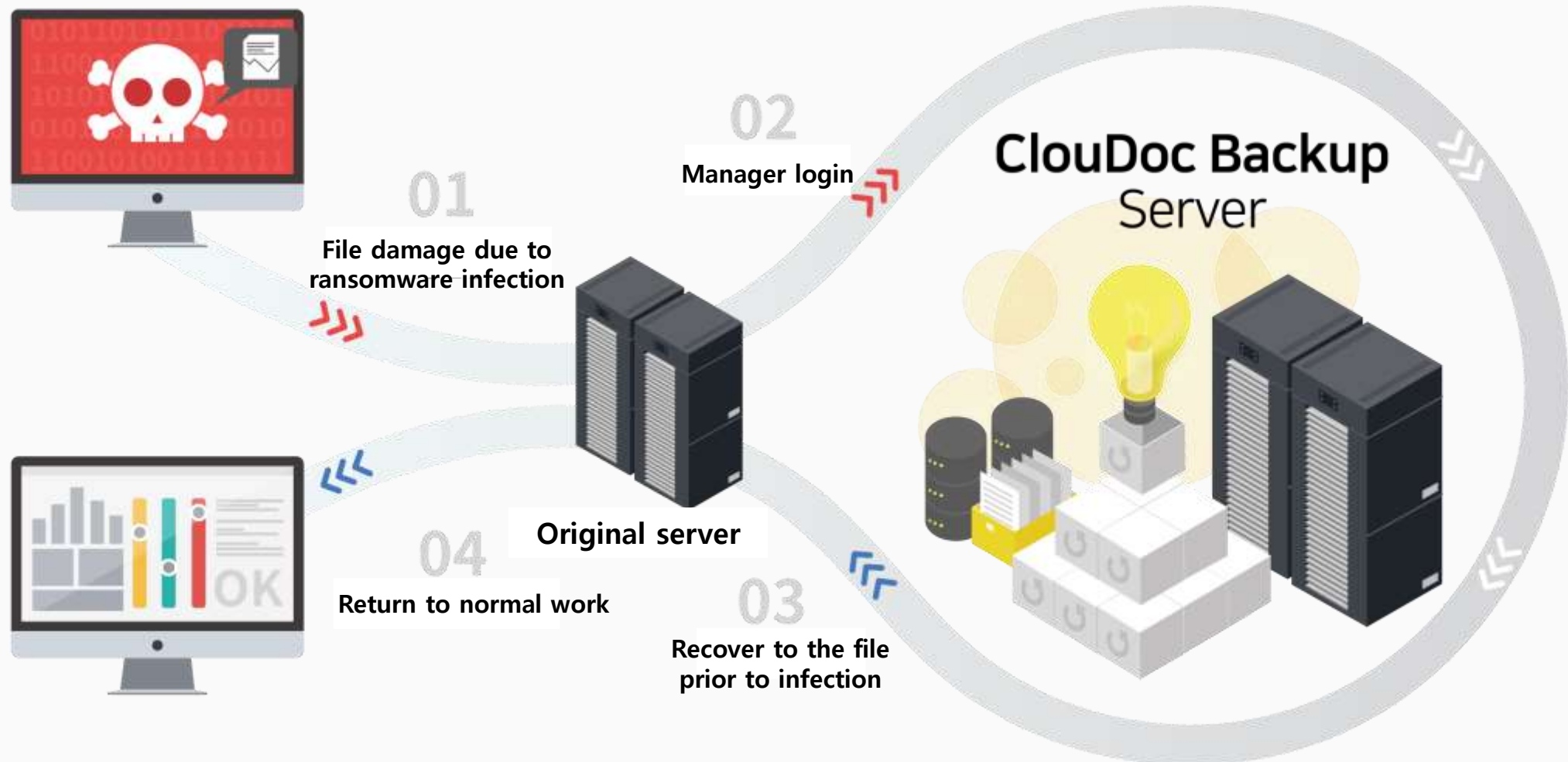
ClouDoc Backup Solution Common Functions

Backup schedule selection range

| Schedule type | Description |
|--------------------------|--|
| Every hour backup | Start time(minute, hour, date, month, year) End time(minute, hour, date, month, year), backup interval(hour) |
| Daily backup | Start time(date, month, year), End time(date, month, year) |
| Weekly backup | Days of week(Mon/Tue/Wed/Thu/Fri/Sat/Sun), start time(minute, hour) |
| Monthly backup | Date (1st ~ the end date) ,start time(minute, hour) |

ClouDoc Backup Solution Common Functions

Recovery from Ransomware







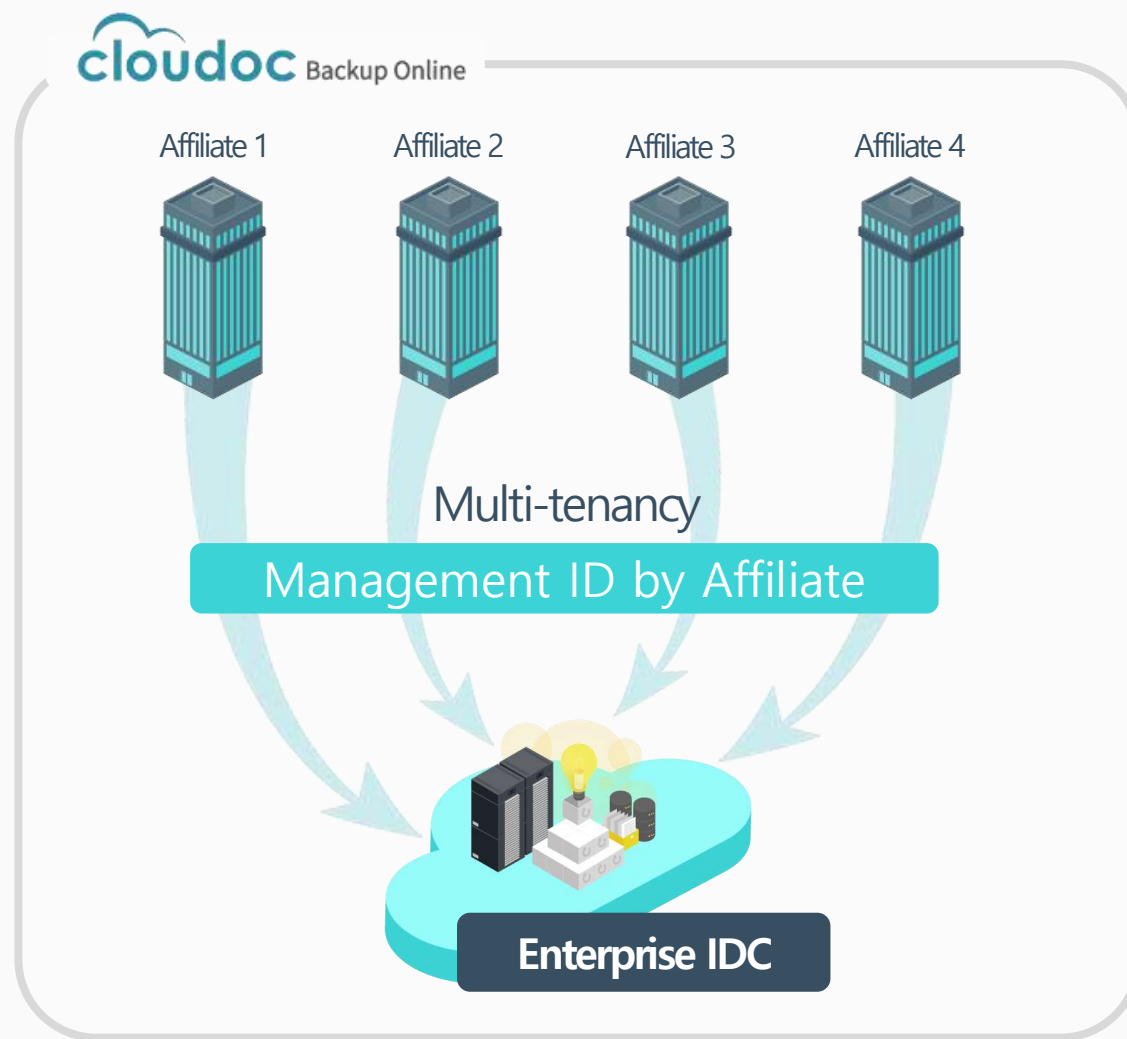
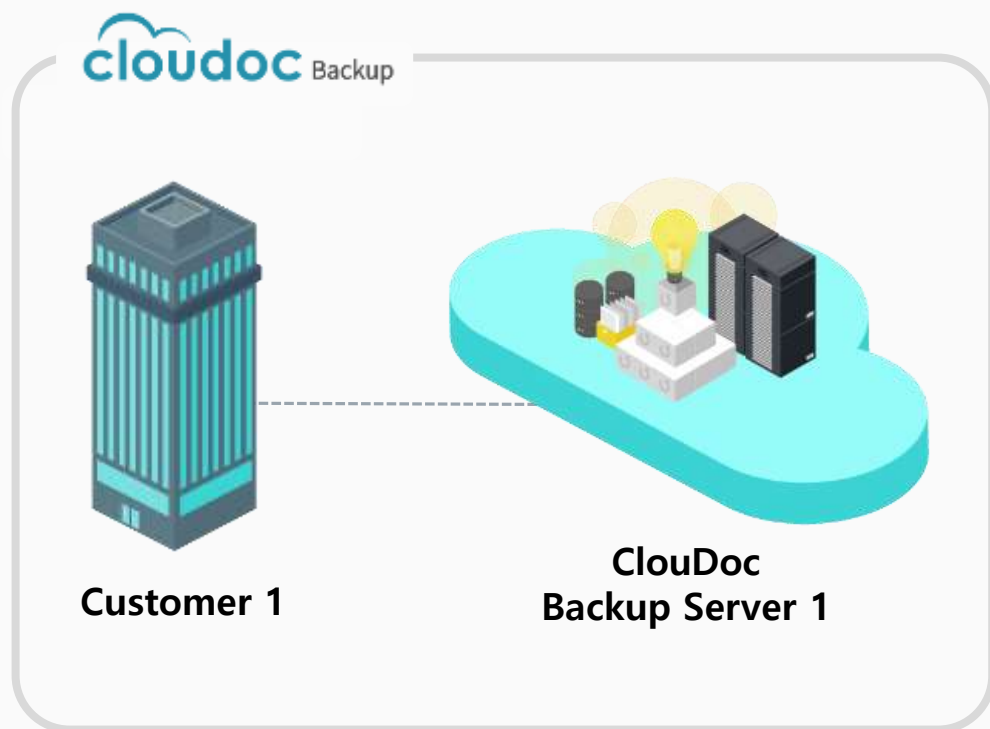
ClouDoc Backup Solution Comparison

ClouDoc Backup Solution

CB VS CBO

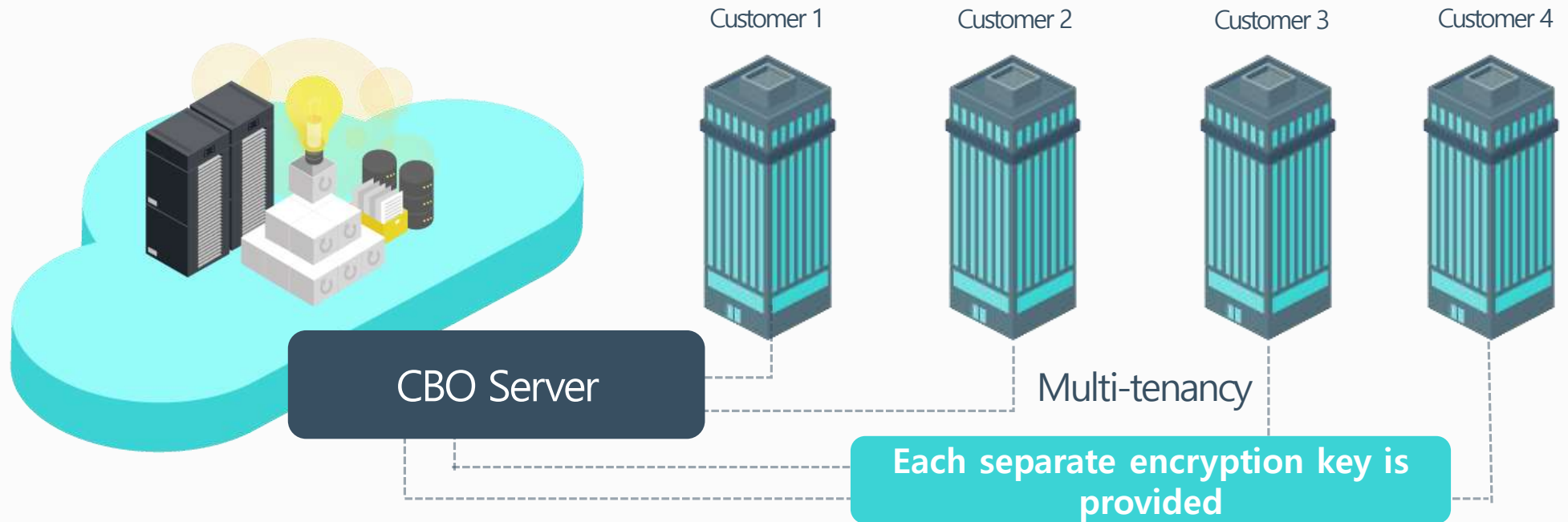
|  |  |
|---|---|
| Single enterprise | Single, multy-company |
| NFC Protocol CIFS Protocol | HTTPS Protocol |
| Permanent | Monthly charge, permanent |
| Backup position: Local | Backup position: Local, remote |

ClouDoc Backup Solution On-Premise



ClouDoc Backup Solution Cloud Service

clouddoc Backup Online





■
Finale

Document Centralization Resources

Youtube 'mcloudoc'

Search **mcloudoc**
in the **YouTube** search box!



mcloudoc.com

HOME PRODUCT CONTACT **SUPPORT** PR REFERENCE EVENT



Customers

For the fourth consecutive year, more than 50 new customers every year!



해외고객사



대기업



반도체



금속·철강



공공·교육



건설



조선·항공·우주



식음료



방위산업



유통·서비스



의료·제약



금융



화학·에너지



전기·전자



제조



기계·설비



IT

