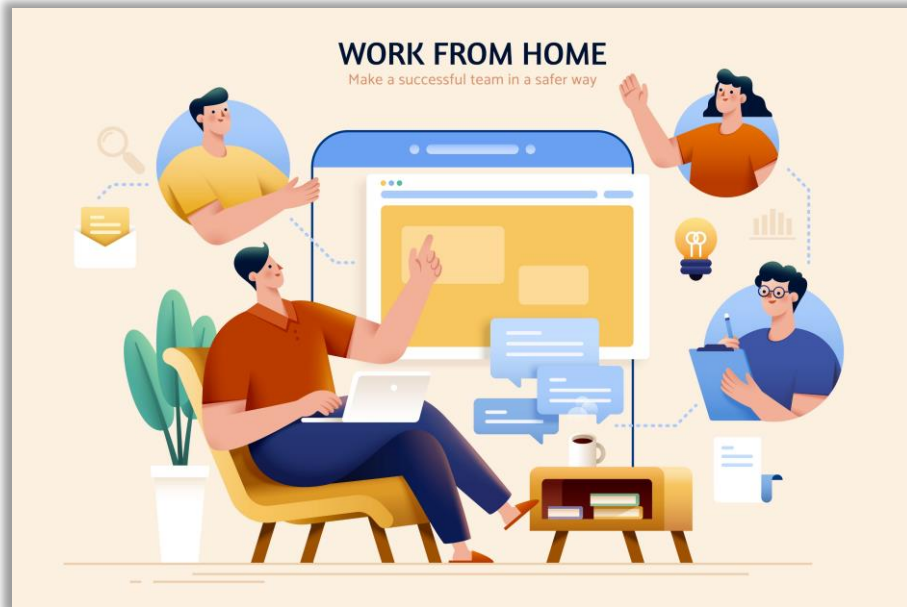




All-in-One Context-Aware Endpoint Security Solution

BSOne Introduction

Change of Working Environment



Hybrid Working Environment

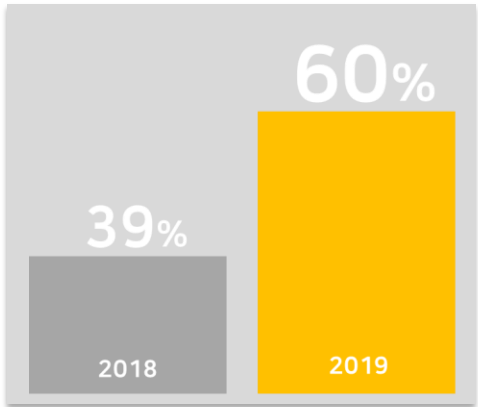
- In-house & remote working systems are being generalized since zero-contact society has begun
- Multi-device & BYOD become common
- Raising of new security issues due to the change in the workforce's working diversity



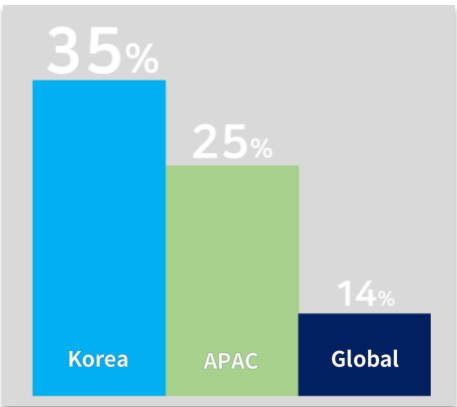
The Necessity of Security Orchestration

- Needs for context-aware security policies
- Needs of cost saving
- Needs for the new security model for remote work compliance

The Necessity of Security Orchestration



CISO's Cyber Security Fatigability



Over 100 Thousand Alerts per Day

47%

Says “not orchestrated security infrastructure, which has composed of multiple solutions, is disturbing security support.”

56%

Using more than 10 Security vendors

92%

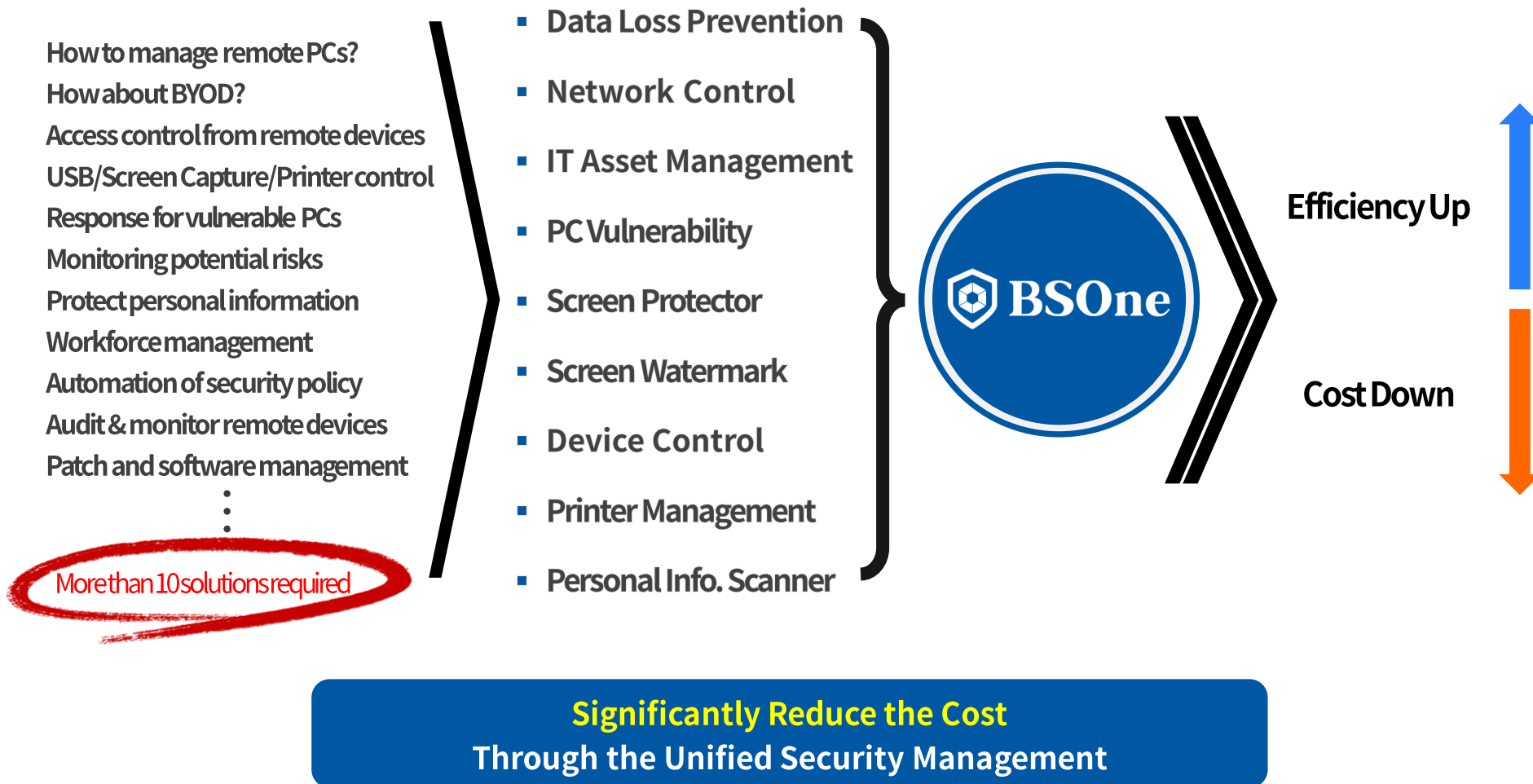
Says “feel tired to control multi security vendors”

40%

Only 40% is being investigated among enormous alerts

<Crowd Strike, 2021 Global Security Opinion Survey>
<CISCO, 2019 Asia-Pacific CISO Benchmark Study>

The Necessity of Security Orchestration(Cont.)

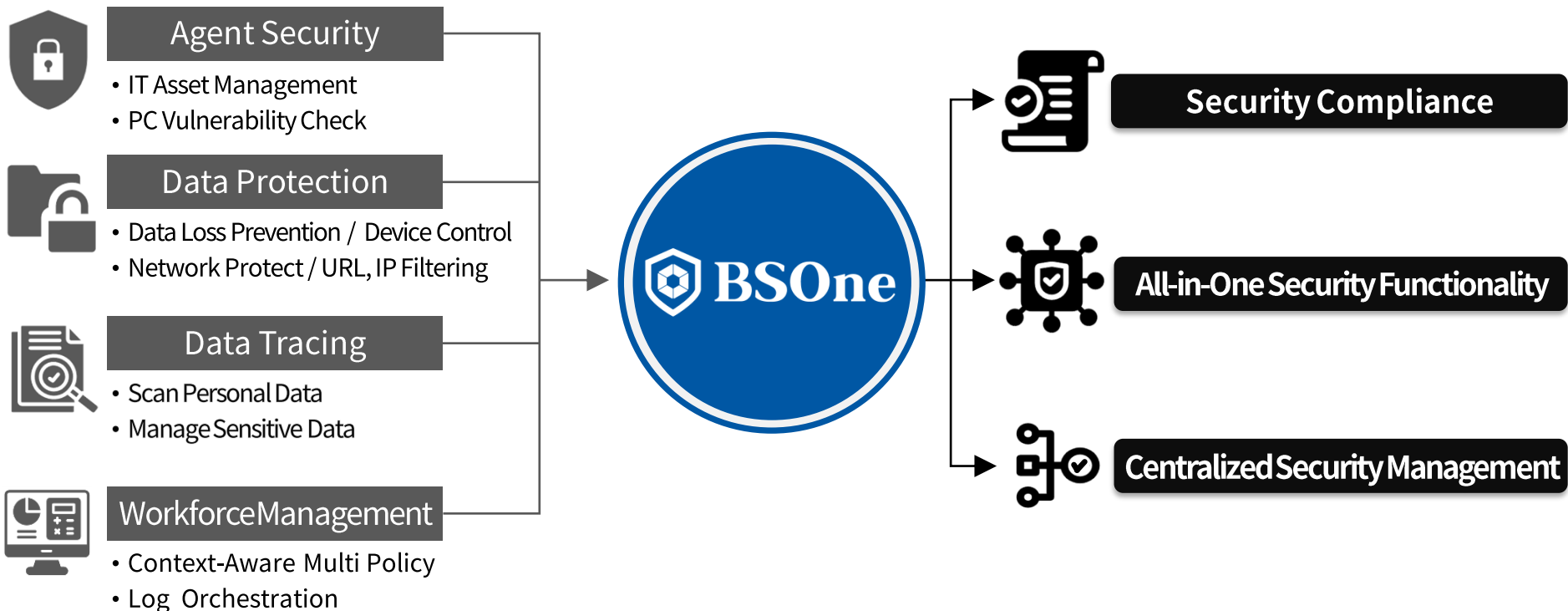


BSOne Outline

BSOne

All Security Functionalities into One Agent

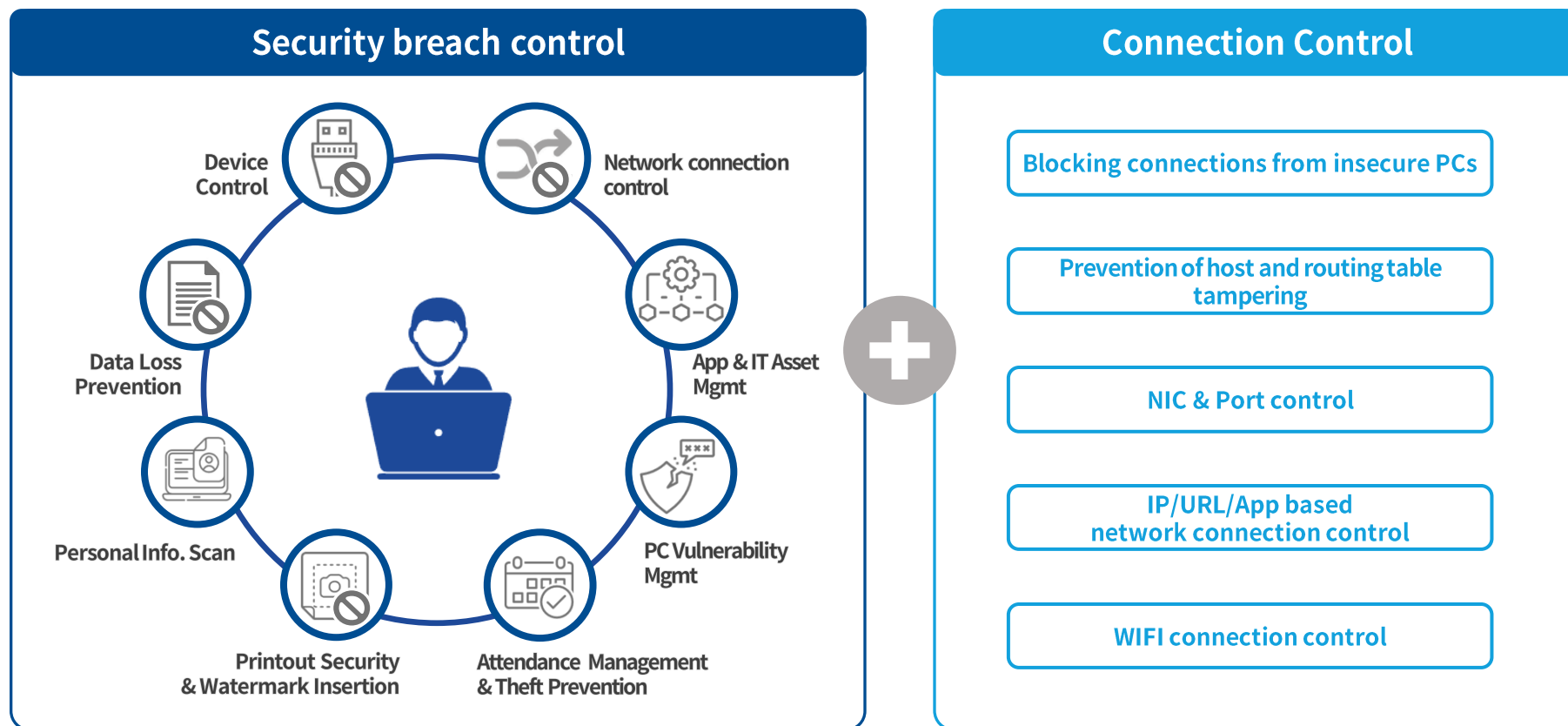
Following Security Compliances and Helping Management of Hybrid Work Environment



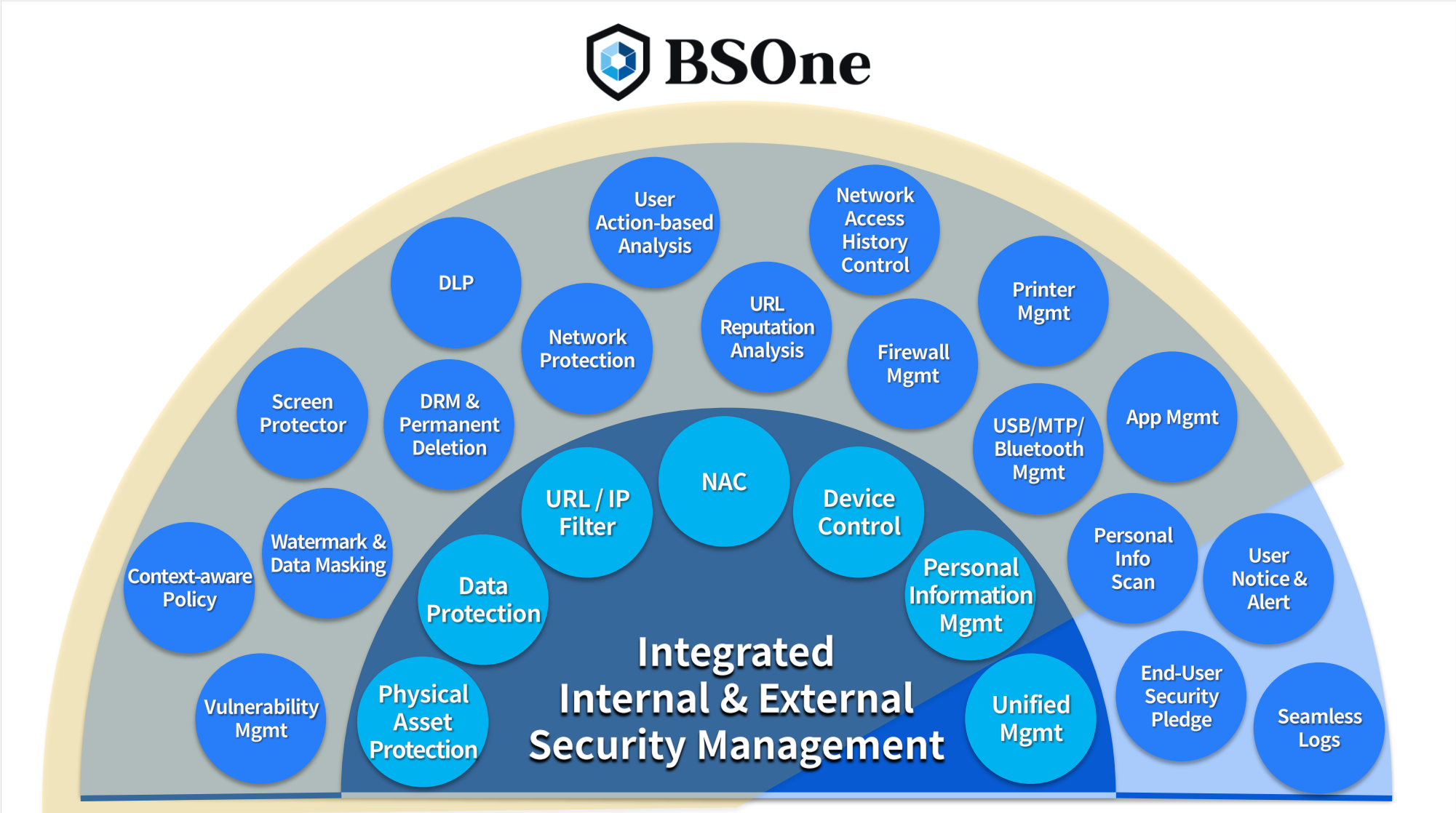
Ensuring a Safe Working Environment



Provide security management functions for various work environments, including controlling security breaches and managing internal/external network connections



All-in-One Functionality



Functionality by Category

Workforce Management

- Automatically recognize work condition
- Multi-policy for the working situations / personal purpose / insecure environment
- Responses for vulnerability & policy violation
- Allow remote work
- Anti-theft (Network & System Lock)
- End-user security pledge collection and notification, alert

Network Control

- URL/IP filtering
- NIC (LAN) control & port management
- App/IP based network control
- WIFI control
- Insecure connection control
- Protect host, routing table modification
- Web download management

App & IT Asset Management

- Collection of detailed information on PC
- Software and version management
- Deploying management
- Restrict or delete users' software
- Software control management based on blacklist/whitelist
- Designated file collection and prevention of file name modification

Vulnerability Management

- OS version & latest security patch check
- System password, screen lock, firewall check
- Anti-virus solution's latest signature & safeness check
- Vulnerability notification and how-to guide
- Regular vulnerability scan (Scheduling)
- Scan exceptions and provide temporary use
- Realtime status and audit log

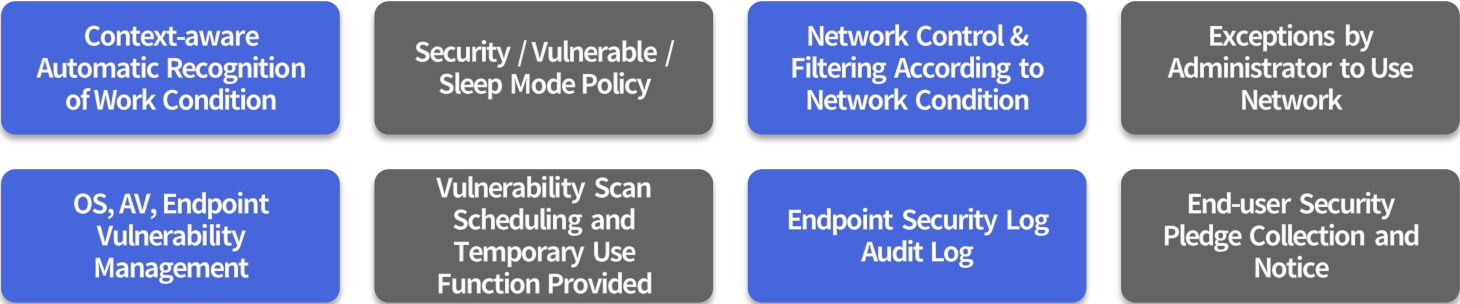
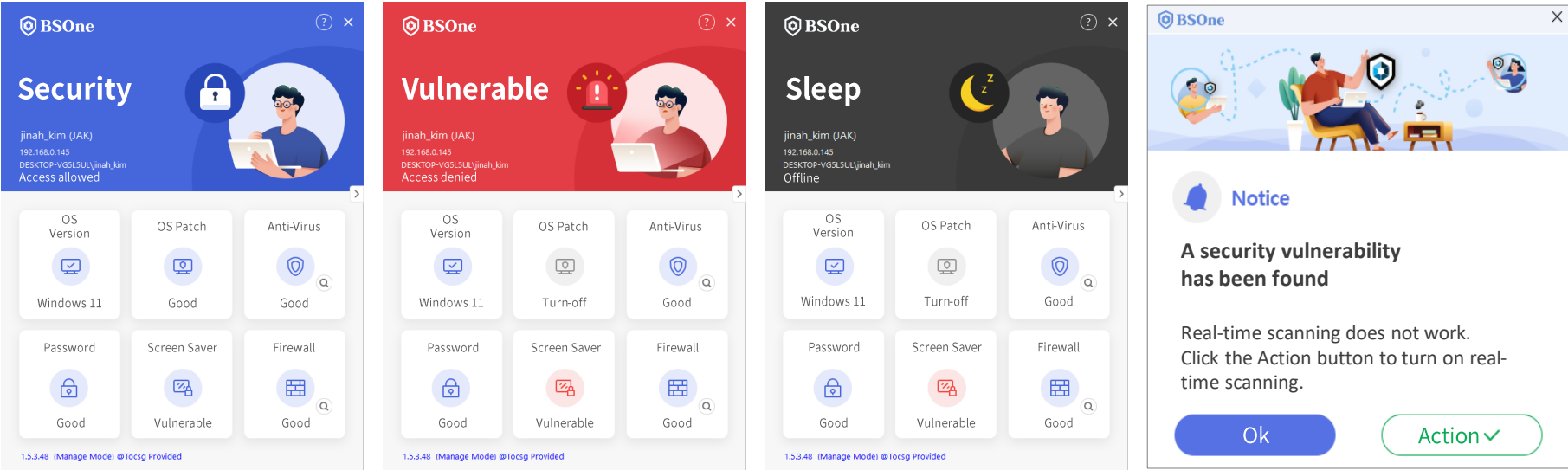
Data Protection

- Prevent and monitor file creation & modification
- Data masking and image watermark
- Screen protection and clipboard control
- Screen logo provide (screen watermark)
- Printer watermark/control/monitor
- Prevent and monitor USB & external storage
- Prevent and monitor Bluetooth & MTP device
- Prevent file attachment

Personal Information Management

- Compliant searches for personal/sensitive Information, following GDPR/HIPAA
- Support for regular expression pattern and keyword searches
- Individual, department, and time-based inspection of personal information status
- Data type & category based scan
- Support for user-initiated scans with exception handling
- Response for the scan result

Endpoint Management



Network Control / DLP

네트워크 보안 설정

암호 미사용 WIFI 차단 ☒

무선 접속 제한 (WIFI)

특정 연결만 허용 ▾

특정 네트워크명

ToCSG 5Ghz

호스트 변경 차단 ☒

접속 도메인 로그 수집 ☒

기본 포트 차단 ☒

추가 포트 제어

아래 포트만 허용 ▾

정보유출방지 설정

파일 차단 프로세스

All

파일 쓰기 감시

전체 확장자 ▾

파일 저장 차단

지정 확장자만 ▾

파일 확장자 목록

docx,xlsx,pptx,pdf,dwg

생성파일 마스크 ☒

다운로드 폴더 차단 ☒ 공유폴더 차단

차단 (신규 생성) ▾

파일명 변경 차단 (경로)

로그 ▾

BSOne

Notice

보안정책 위반 행위가 탐지되었습니다.

클립보드 (복사, 캡처) 쓰기가 차단되었습니다.

사용 프로그램 : POWERPNT.EXE

확인

BSOne

Notice

보안정책 위반 행위가 탐지되었습니다.

외부 저장소 연결이 해제 되었습니다.

Name : General USB Flash Disk USB Device
Type : REMOVABLE
Drive : E:\ (15 GB)

확인

매체 예외 ✓

- Prevent Insecure Connection / WIFI Management

NIC / URL / IP / APP - Based Network Control

DRM Encryption and Permanent Deletion

Network Protection (Host / Routing Table)

USB / MTP/ Bluetooth Monitor and Block

Device Usage Exception Based on the Provider / Device / User

Printer / Clipboard / Image / File Watermark and Control

Screen Protector and Screen Watermark

File Creation / Modification / Transfer Monitor and Block

App / IT Asset Management

개인정보 관리

검사 대상

전체

검사 제외 크기

50 MB 이상

검사 확장자

txt|doc|docx|xls|xlsx|ppt|pptx|hwp|hwp|x|pdf|rtf|csv|

검사 패턴

☒ 주민등록번호

☒ 전화번호

☒ 이메일 주소

☐ IP

☒ 차량번호

☒ 주소

☐ 여권번호

☐ 의료보험번호

검사 위치

C:\

N:\

+ 검사 위치 추가

어플리케이션 목록



사용자

STEP124

Mac

84C5A61DA1F5

버전

1.5.3.42

Hostname

DESKTOP-P8V6GHUWrocki

IP

192.168.0.29

설치 일시

2022-08-24 13:24:51.0

이름	프로세스명	제조사	버전	최종 변경 일시	점검 일시	삭제
Windows Software Develo...		Microsoft Corporat...	8.59.25584	2021-05-10 12:2...	2022-09-05 09:3...	
Visual Studio Extensions f...		Microsoft Corporat...	1.0.9600.16408	2021-05-10 12:2...	2022-09-05 09:3...	
Microsoft Windows Desk...	windowsdesktop...	Microsoft Corporat...	5.0.7.30113	2021-08-27 13:3...	2022-09-05 09:3...	
Microsoft Document Expl...		Microsoft Corporat...	9.0.21022	2021-05-10 12:2...	2022-09-05 09:3...	
Visual Studio Tools for th...		Microsoft Corporat...	9.0.21022	2021-05-10 12:2...	2022-09-05 09:3...	
Veritas Enterprise Vault S...	Veritas Enterpris...	Veritas Technologie...	12.0.0.1528	2021-05-10 12:2...	2022-09-05 09:3...	
Windows Software Develo...		Microsoft Corporat...	8.100.25984	2021-05-10 12:2...	2022-09-05 09:3...	
PreEmptive Analytics Visu...		PreEmptive Solutions	1.2.3197.1	2021-05-10 12:2...	2022-09-05 09:3...	

Manage S/W License and Version

Delete and Deploy S/W

S/W Blacklist and Whitelist Control

S/W Management Based on Period / Provider / User Condition

Endpoint Files and Data Collection

Personal Data Scan Based on Dept / User / Schedule

Data Type / Category Based File Scan

Individual Data Scan and Exception

Policy Application Base on Personal Info Scan Result

Printer Access Control

II. Solution Introduce

2. Functionality

출력물 보안 설정

출력물 보안 설정

프린터 차단

승인

특정 기간 사용 차단

기간 지정

2023-01-01

~

2023-01-10

차단 예외

목록만 차단

예외 목록

1233321

개인정보 출력 차단

다음 개수 이상 차단

개인정보 개수

100

(개)

APP 출력 관리

목록만 차단

출력물 승인 관리

요청 세부 사항



사용자	KISTEP224	요청 종류	Printer
파일	BSOne명세서.pptx (19 페이지)	프린터	Samsung SL-C483
사용 APP	POWERPNT.exe	개인정보 포함	30 (주민등록번호, IP)
요청 내용	주간회의제출용 출력입니다		

본문 내용

Download

1. 개요 본 안내서는 BSOne v1.0 보안기능구현명세서로 보안기능 구현 상황에 대하여 기술하고 있습니다. 본 명세서를 통해 시스템 이해 및 기능, 관리에 대하여 전반적으로 인지함으로써 할 수 있도록 합니다. 1.1 제품 개요 BSOne은 변화된 업무 환경에 가장 적합한 통합 보안 기능을 제공합니다. 안전한 근무 환경 보장 본 제품은 Endpoint Device를 업무용으로 사용할 때, 개인용으로 사용할 때를 자동으로 인식하여, 상황에 맞는 보안 정책을 적용합니다. 이 뿐 아니라, 사무실에서, 커피숍에서, 출장지에서 업무를 할 때와 그렇지 않을 때를 구분하며, 퇴직 대상자와 같은 특수 상황에 대한 인식을 자동으로 수행합니다. 이를 통해 In&Out 업무 환경과 다양한 조건의 환경을 포괄하여 최적의 보안 기능을 제공합니다.

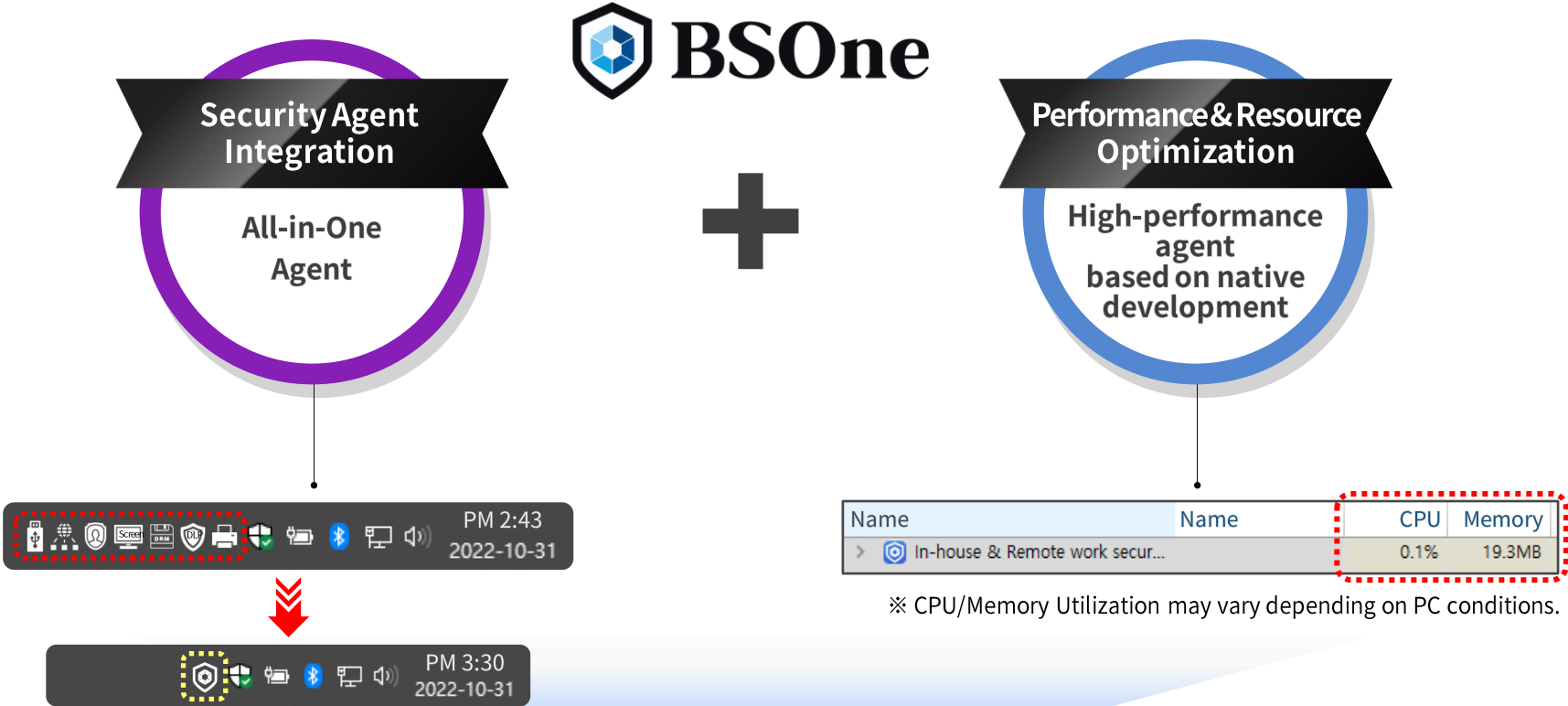
- Print Control by Devices, Personnel, Application, Period
- Print Control by Personal / Sensitive Information
- Print Control by URL & Browser Conditions
- Flexible Approval & Exception Settings by Administrator
- Collecting Original Print Contents
- Customed Watermarks
- Chromium Browser Personal Info Scanning & Extracting Source Contents
- Control of Limited Number of Print Pages
- Collecting Original Contents through OCR when Printing Images

Certification & Awards



Data Security Management Award for Best New S/W Product
Based on Patent and Quality

Only One Agent



Based on **One Agent Integration & Resource Optimization**, Ensure Smooth Operation on Low-end PCs and **Minimize Agent Crashes & User Complaints**

Context-Aware of Work Conditions



VPN Access

Automatically Aware VPN Access to apply Security or Sleep Mode



Remote Control

Automatically Aware VDI/RDP to Activate Security Mode Including Screen Watermark



Video Conference

Multi Policy Available Which Permit Network Access for Business Use Only (e.g. Video Conference)



Public WIFI

Restrict Unsafe Public WIFI or Automatically Activate Vulnerable Mode

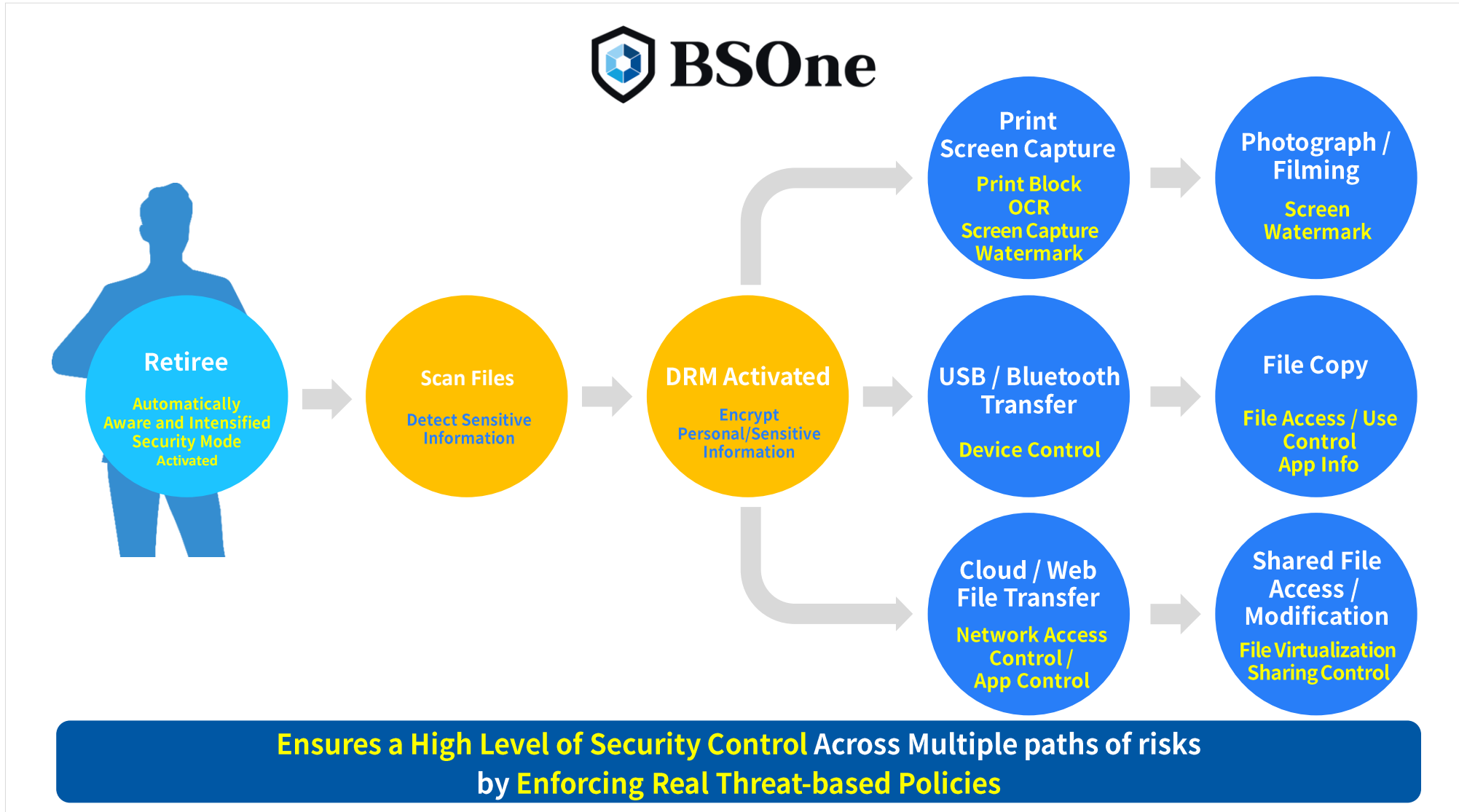


Organogram Modification

Apply Policy According to Personnel Information (e.g. Retirement Plan, Change of Personnel Information Handling Dept.)

Context-aware Agent Enables Security/Control **Only During Working Hours**

Action-based Multi-Security Policy



Log Orchestration

Log In

Access Log

System

Log Out

VPN/RDP/...

OS/VDI/...

AS-IS

User Activity Log

Log In

Access/System/User Activity Logs

Log Out

TO-BE

Verified Security Features



KFTC

Korea Financial Telecommunications
& Clearings Institute

KFTC's "Enhanced Security Controls for
Remote Access Terminals" in 2021

**The Only Solution which
Passed the BMT(Bench Marking Test)**

A C E
B D

Device
Security

Network
Security

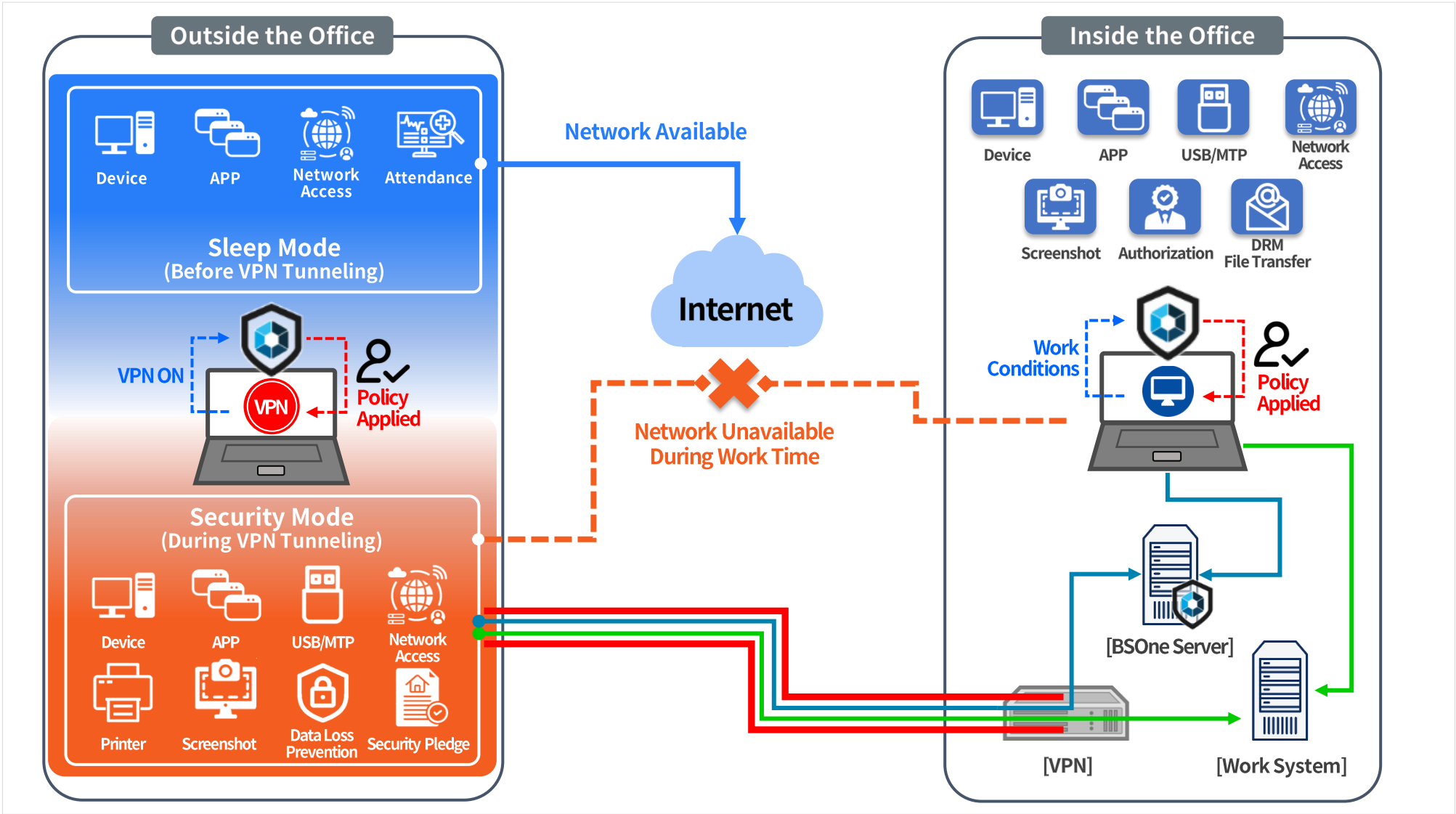
Database
Security



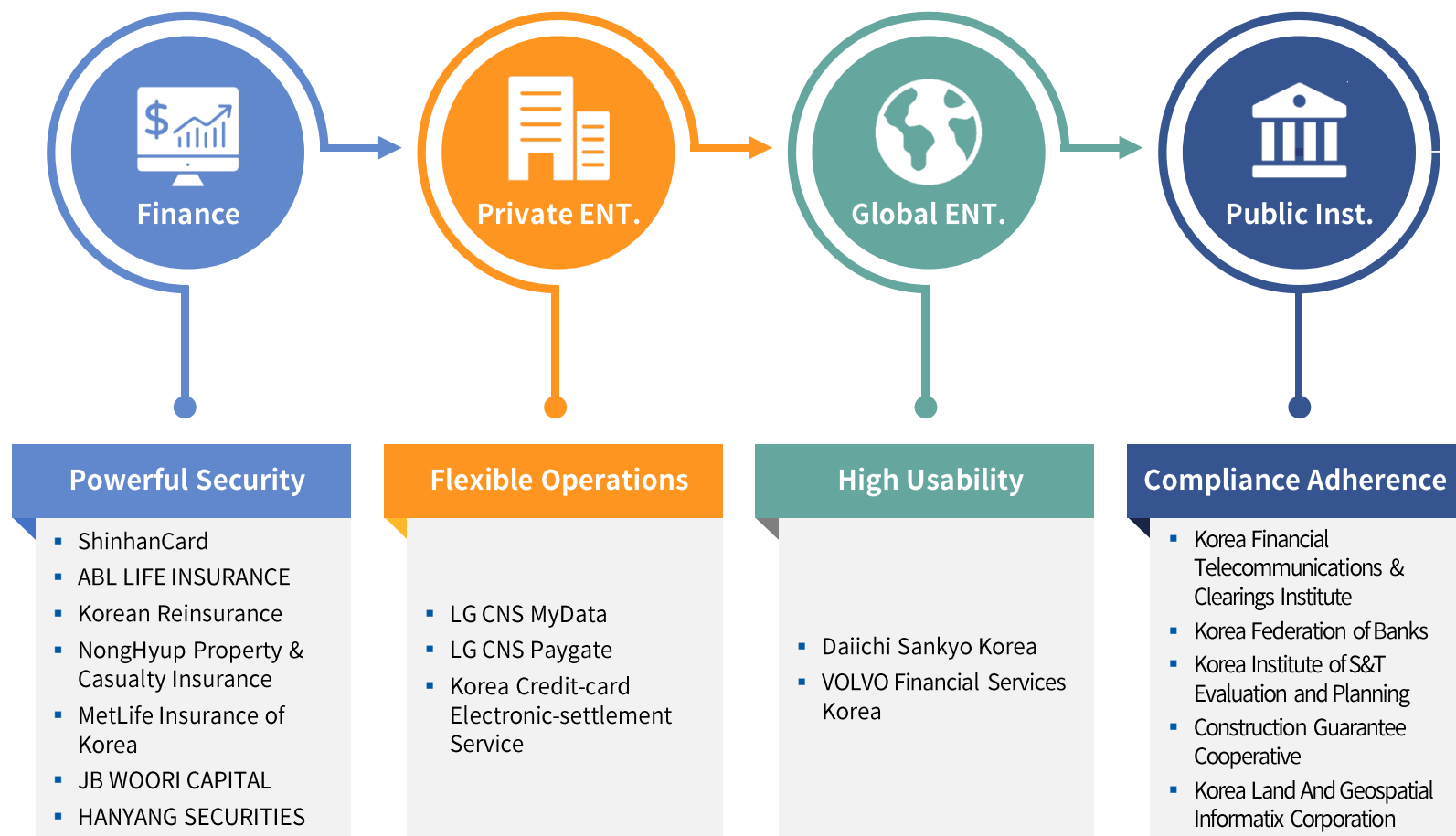
BSOne

Chosen by the Core Digital Financial Service Infrastructure,
Zero Contact Remote Working Security Solution

Configuration Diagram E.g.



State of Solution Deployment



More than 15,000 users with a variety of **reliable features tailored to enterprises' purposes**

The benefits of BSOne

