

망분리
네트워크에서의
안전한
데이터 전송

- 폐쇄망
- 스카다망



Metadefender

3가지 핵심 기술



MULTI-SCANNING



DATA SANITIZATION (CDR)

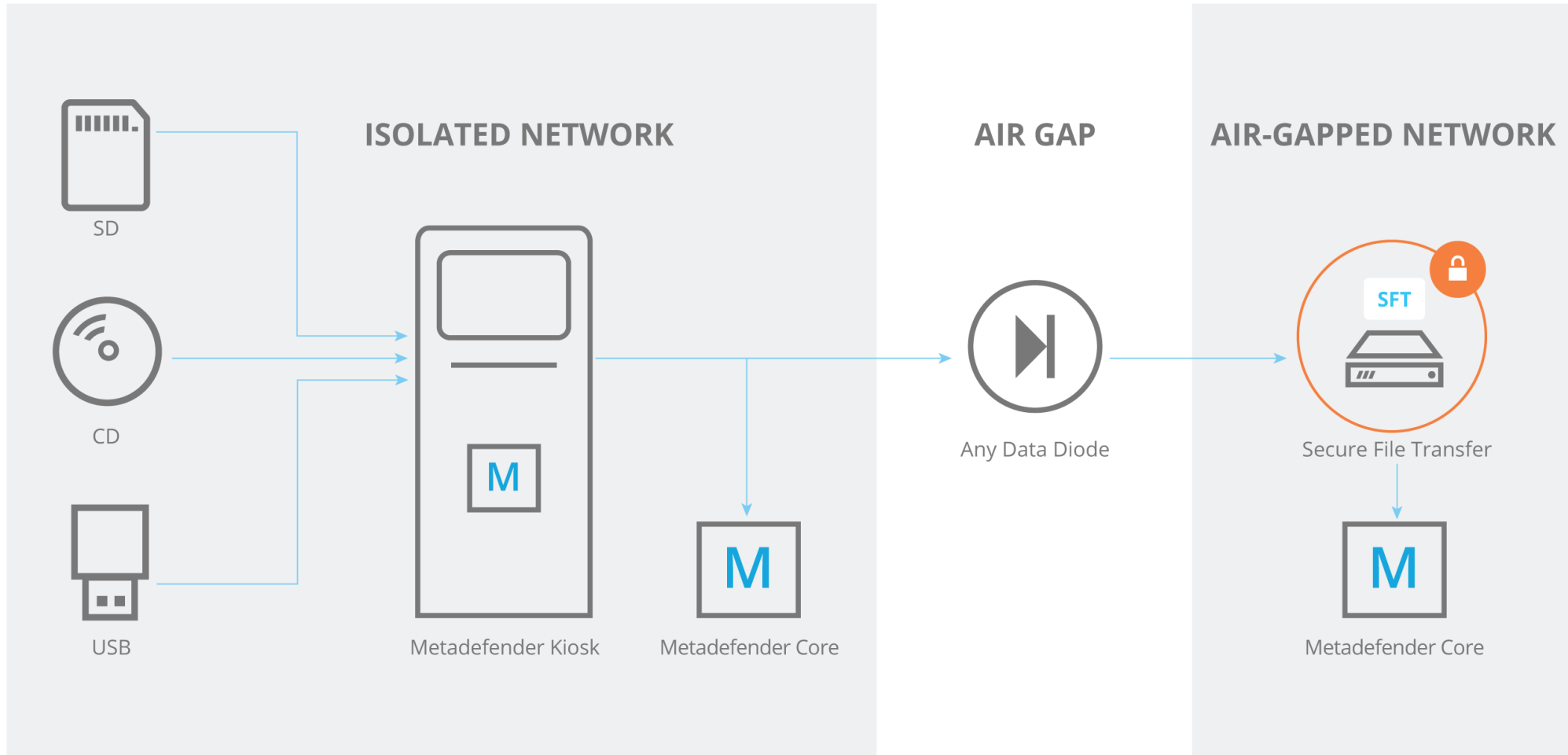


VULNERABILITY ENGINE



Metadefender

Kiosk + Data Diode + SFT 통합 구성도



Metadefender can be located inside the isolated network as well as in the air-gapped network alongside SFT.

Metadefender

Metadefender Kiosk
이동식 저장매체 통제 솔루션

이동식 저장 매체 내 악성코드 탐지 및 차단

데이터 살균 (CDR) 지원

다양한 Workflow 지원

Metadefender Kiosk

- 망분리 네트워크에서의 안전한 데이터 전송

■ Metadefender Kiosk

☞ 기업 내 직원 또는 방문객의 휴대용 미디어 미디어 내에 포함된 위협을 탐지 및 식별하여 금지된 파일 차단 및 허용된 파일만 유입 되도록 통제하는 솔루션입니다.

■ 특징

- ☞ Metadefender Core 연동 (저장 매체 내 악성코드 검사)
- ☞ 데이터 살균 [Data Sanitization (CDR)]
- ☞ 아카이브 파일 검사
- ☞ 설치파일, 업데이트 파일 설치전 사전 스캔
- ☞ Data Diode와 연동 지원
- ☞ SFT와의 연동 지원

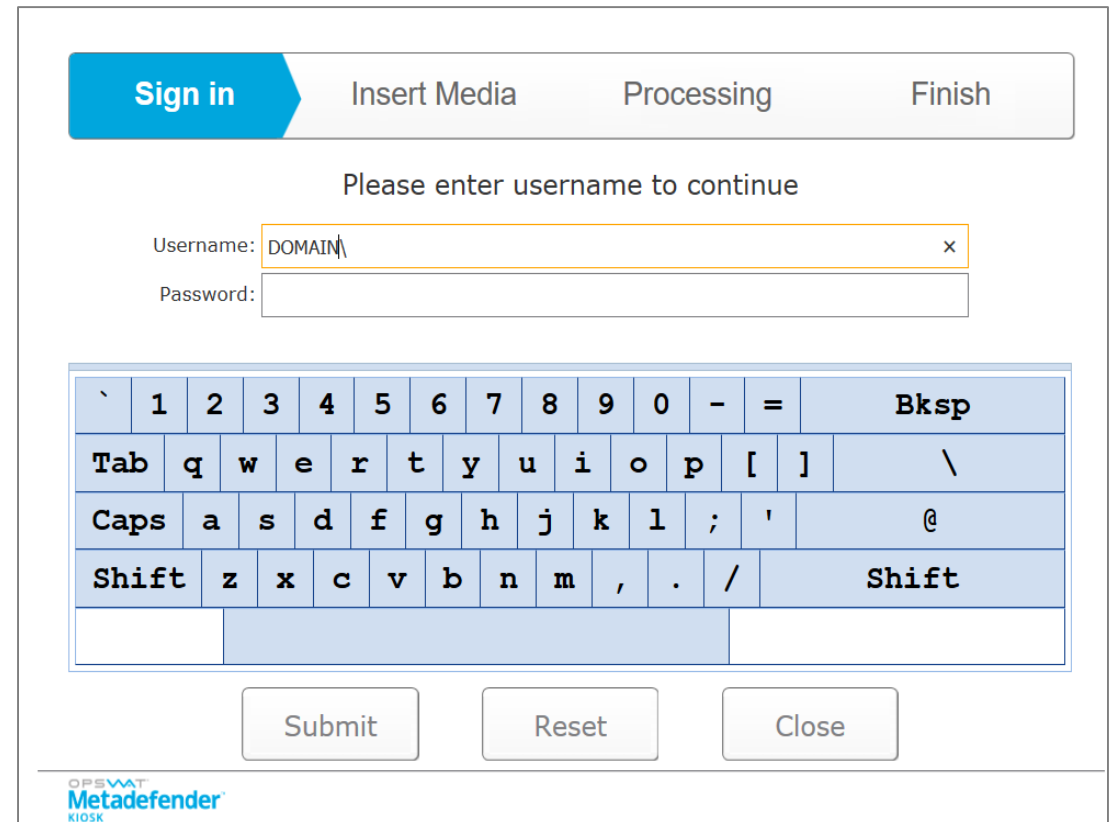
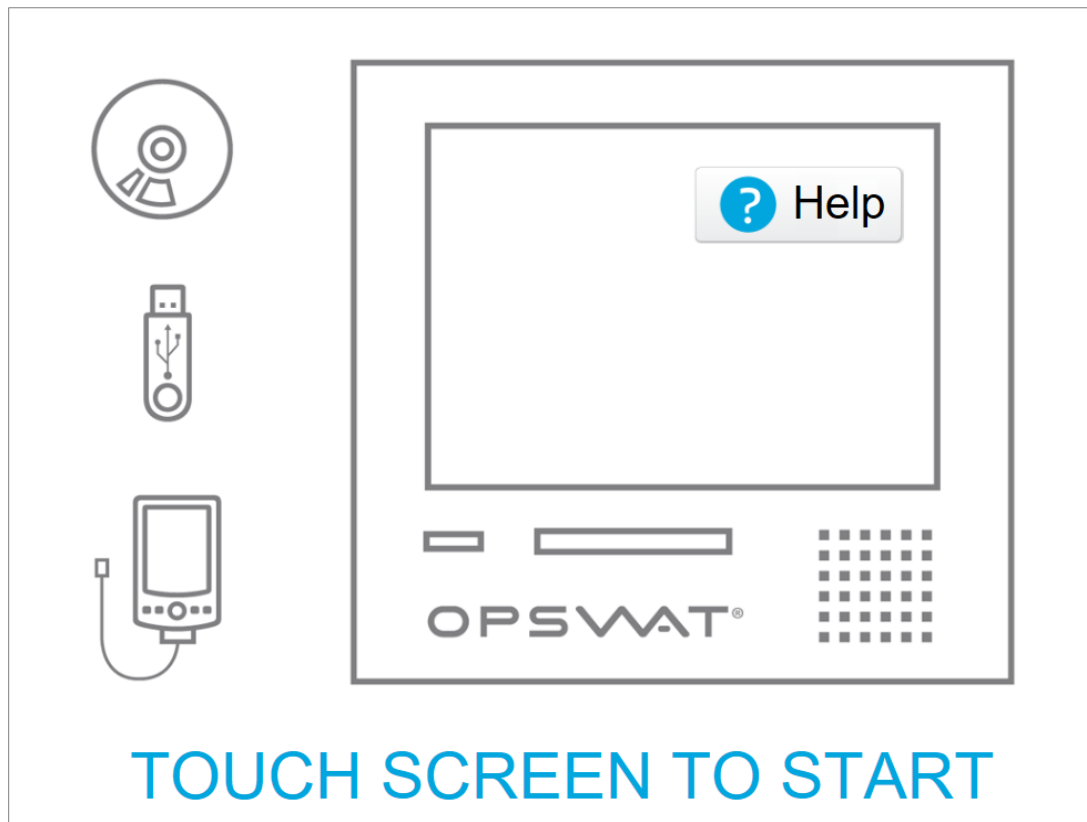


Metadefender Kiosk

Metadefender Kiosk

- 기업 내 유입되는 이동식 저장매체 통제 솔루션

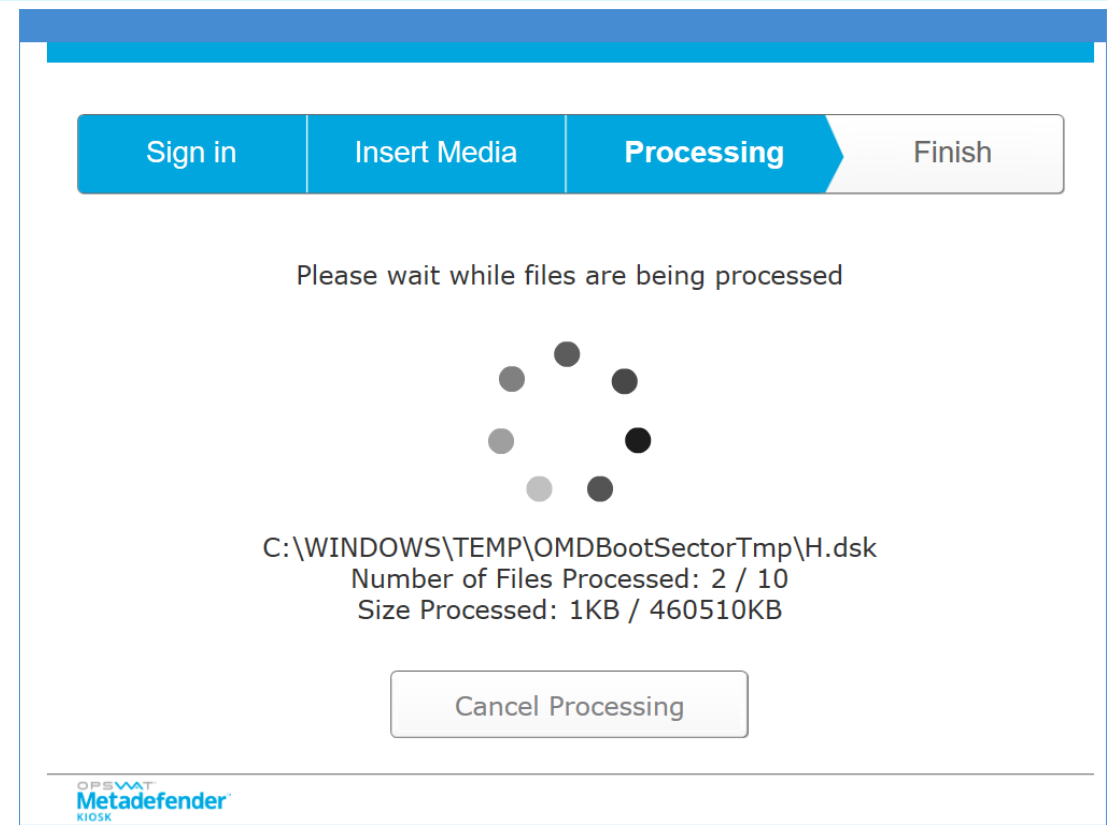
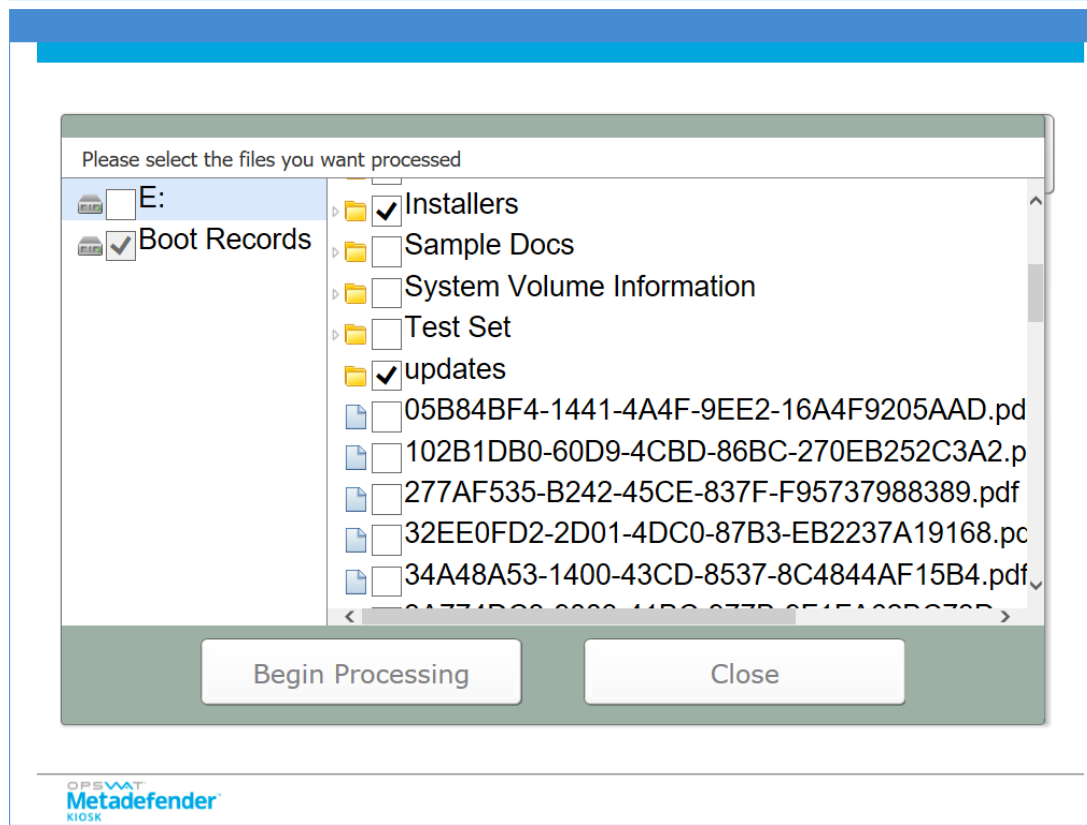
- KIOSK를 통한 이동식 미디어 진단



Metadefender Kiosk

- 기업 내 유입되는 이동식 저장매체 통제 솔루션

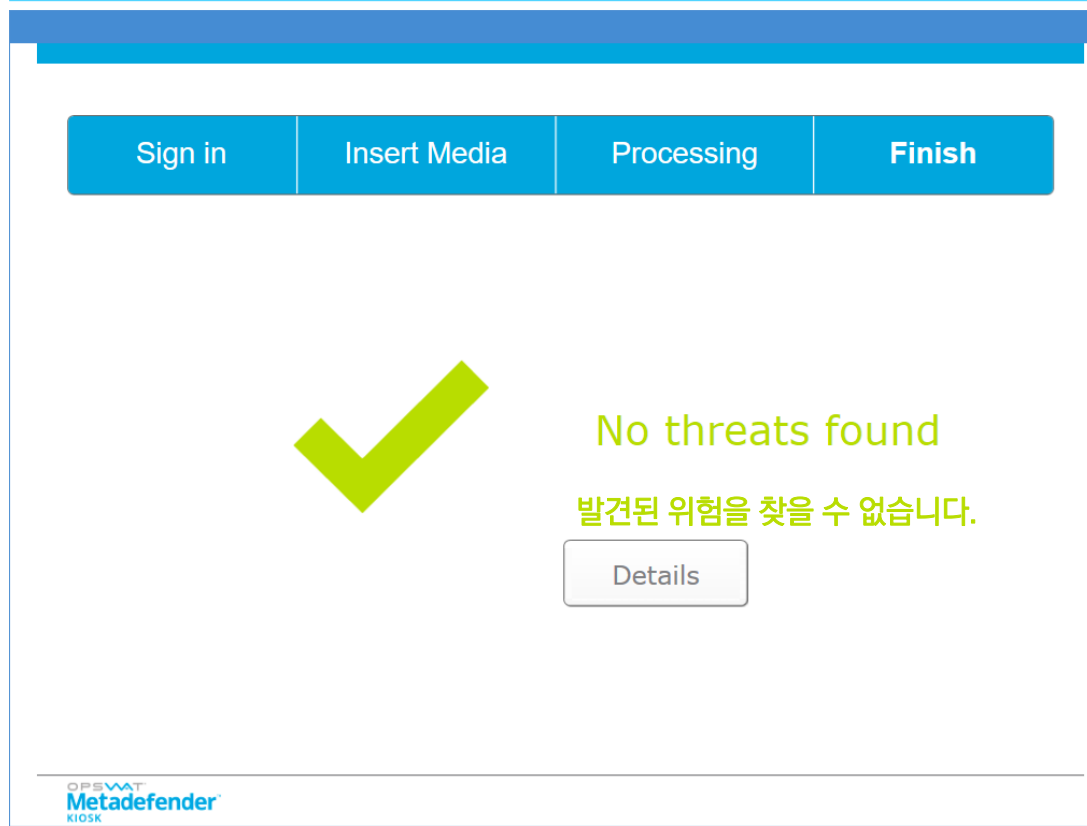
- KIOSK를 통한 이동식 미디어 진단



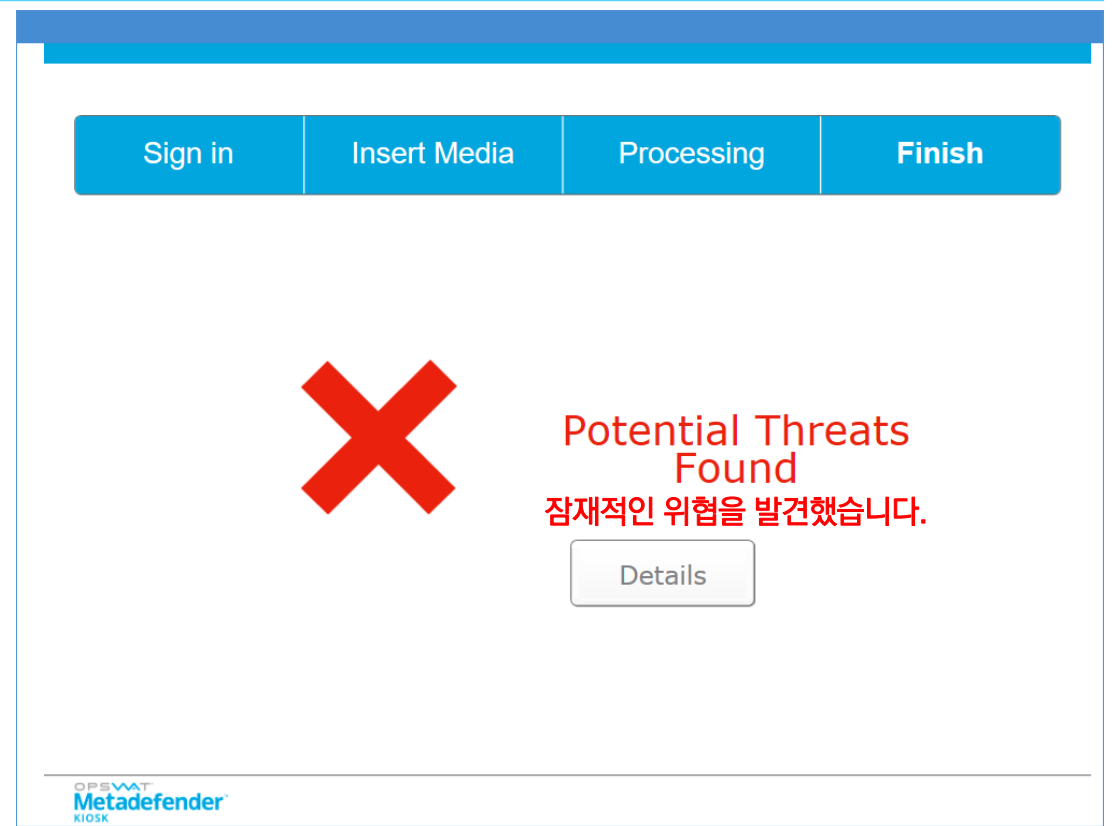
Metadefender Kiosk

- 기업 내 유입되는 이동식 저장매체 통제 솔루션

- KIOSK를 통한 이동식 미디어 진단



The interface shows a progress bar with four steps: 'Sign in', 'Insert Media', 'Processing', and 'Finish'. Below the progress bar, a large green checkmark is displayed on the left. To its right, the text reads 'No threats found' in green, followed by '발견된 위험을 찾을 수 없습니다.' in black. A 'Details' button is located below the text. The OPSWAT Metadefender KIOSK logo is visible in the bottom left corner.

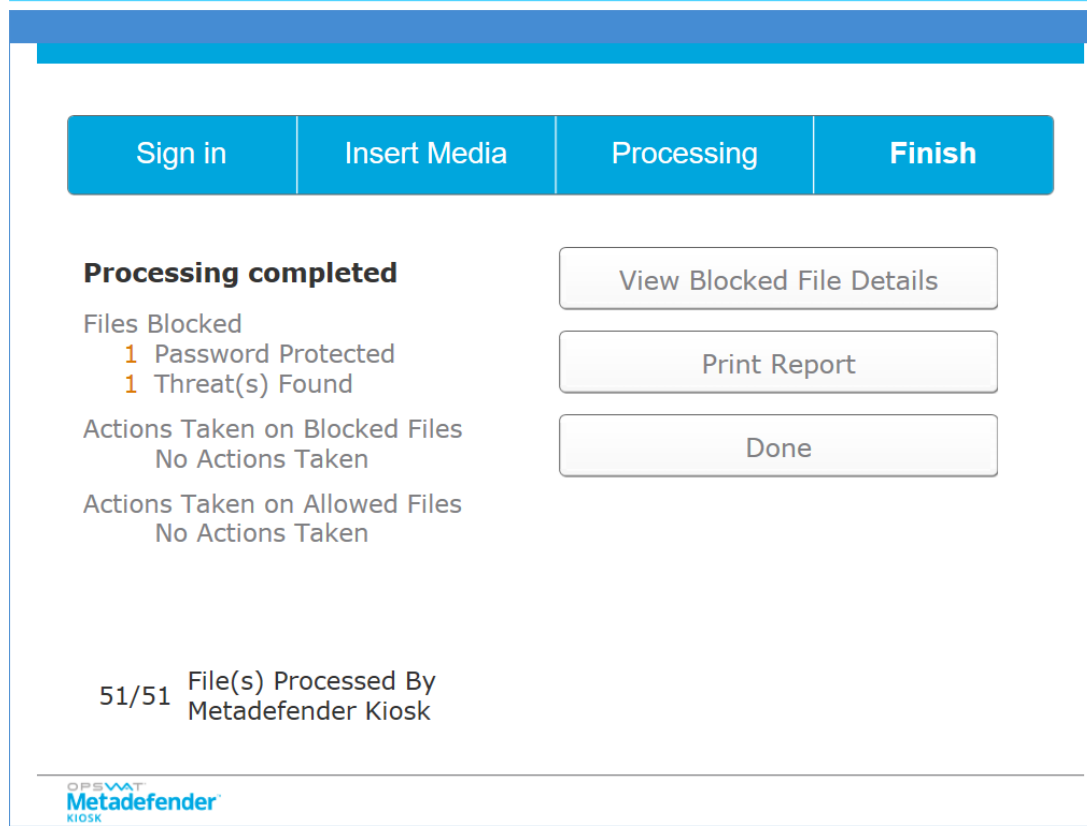


The interface shows a progress bar with four steps: 'Sign in', 'Insert Media', 'Processing', and 'Finish'. Below the progress bar, a large red X is displayed on the left. To its right, the text reads 'Potential Threats Found' in red, followed by '잠재적인 위험을 발견했습니다.' in black. A 'Details' button is located below the text. The OPSWAT Metadefender KIOSK logo is visible in the bottom left corner.

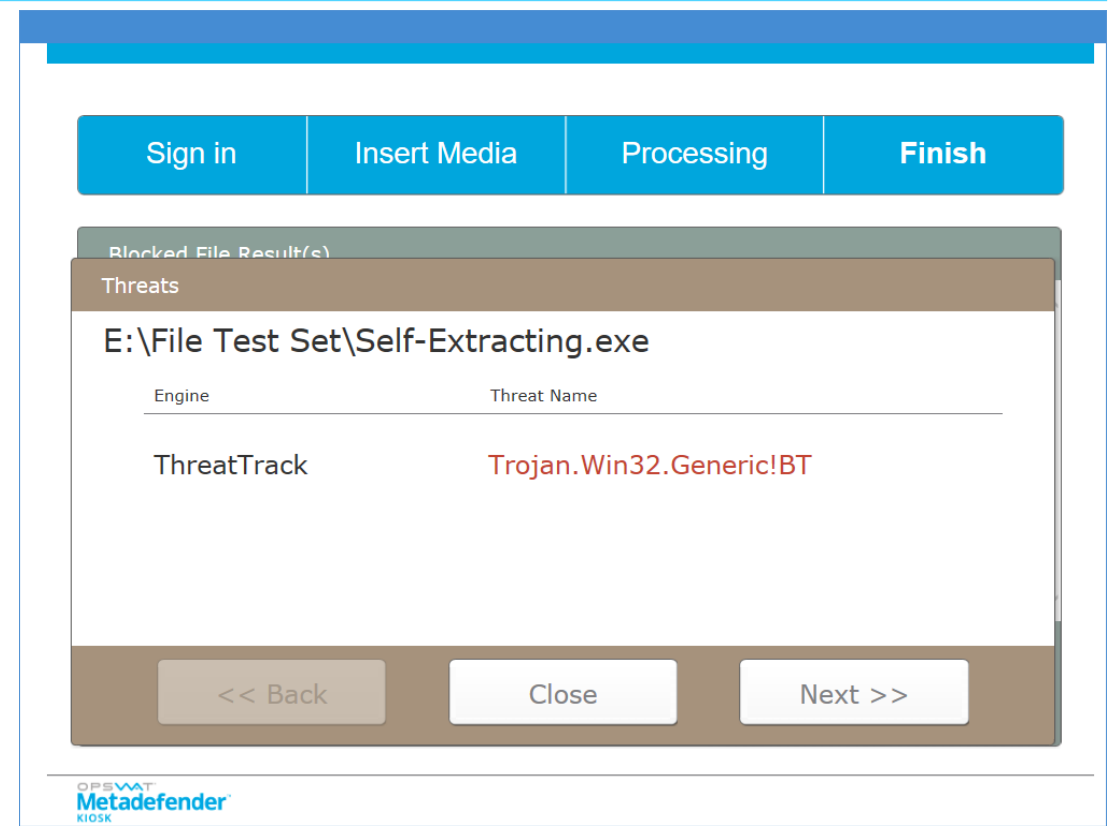
Metadefender Kiosk

- 기업 내 유입되는 이동식 저장매체 통제 솔루션

- KIOSK를 통한 이동식 미디어 진단



The screenshot shows the 'Processing completed' screen of the Metadefender Kiosk. At the top, there are four blue buttons: 'Sign in', 'Insert Media', 'Processing', and 'Finish'. Below these, the text 'Processing completed' is displayed. To the left, there are three sections: 'Files Blocked' with a list of '1 Password Protected' and '1 Threat(s) Found'; 'Actions Taken on Blocked Files' with 'No Actions Taken'; and 'Actions Taken on Allowed Files' with 'No Actions Taken'. To the right, there are three buttons: 'View Blocked File Details', 'Print Report', and 'Done'. At the bottom left, it says '51/51 File(s) Processed By Metadefender Kiosk'. The OPSWAT Metadefender KIOSK logo is at the bottom left.



The screenshot shows the 'Blocked File Result(s)' screen of the Metadefender Kiosk. At the top, there are four blue buttons: 'Sign in', 'Insert Media', 'Processing', and 'Finish'. Below these, the text 'Blocked File Result(s)' is displayed. The main content area shows 'Threats' for the file 'E:\File Test Set\Self-Extracting.exe'. A table lists the engine and threat name: 'ThreatTrack' and 'Trojan.Win32.Generic!BT'. At the bottom, there are three buttons: '<< Back', 'Close', and 'Next >>'. The OPSWAT Metadefender KIOSK logo is at the bottom left.

Metadefender Kiosk Hardware Options



Metadefender

Data Diode
단방향 트래픽 전송기

Air-Gap Network 에서 안전한 파일 전송

단방향 데이터 전송

Metadefender Kiosk

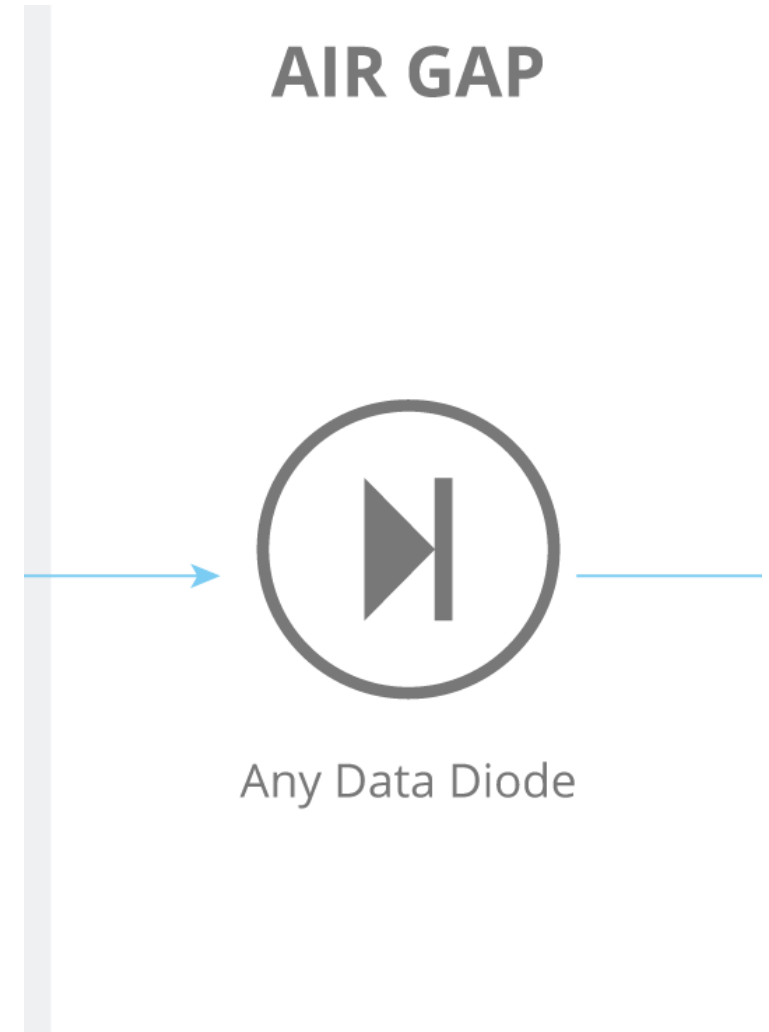
- Data Diode & Air-Gap

- Data Diode

☞ Cross Domain Solution(CDS)라고도 불리는 데이터 다이오드는 낮은 보안 네트워크(예: 인터넷 망)와 높은 보안 네트워크(예: 내부 업무망)간에 안전한 데이터 전송을 제공하는데 사용

- 특징

- ☞ 네트워크에 단방향(Simplex) 트래픽 제공
- ☞ 종류에 따라 특정 신뢰할 수 있는 통신 허용
- ☞ 안티바이러스와 연동을 통해 전송 전 트래픽 내 악성컨텐츠 식별 가능



Metadefender Kiosk

- Data Diode & Air-Gap

- Air-Gap

☞ 공극, 공기 벽 등의 뜻을 가지며, 서로 분리된 비보안 네트워크에서 보안네트워크로 데이터를 물리적으로 이동 될 때의 간극

- Air-Gap + Data Diode

☞ 효율성이 낮은 Air-Gap 네트워크에서 Data Diode를 통한 효율적인 데이터 전송 지원

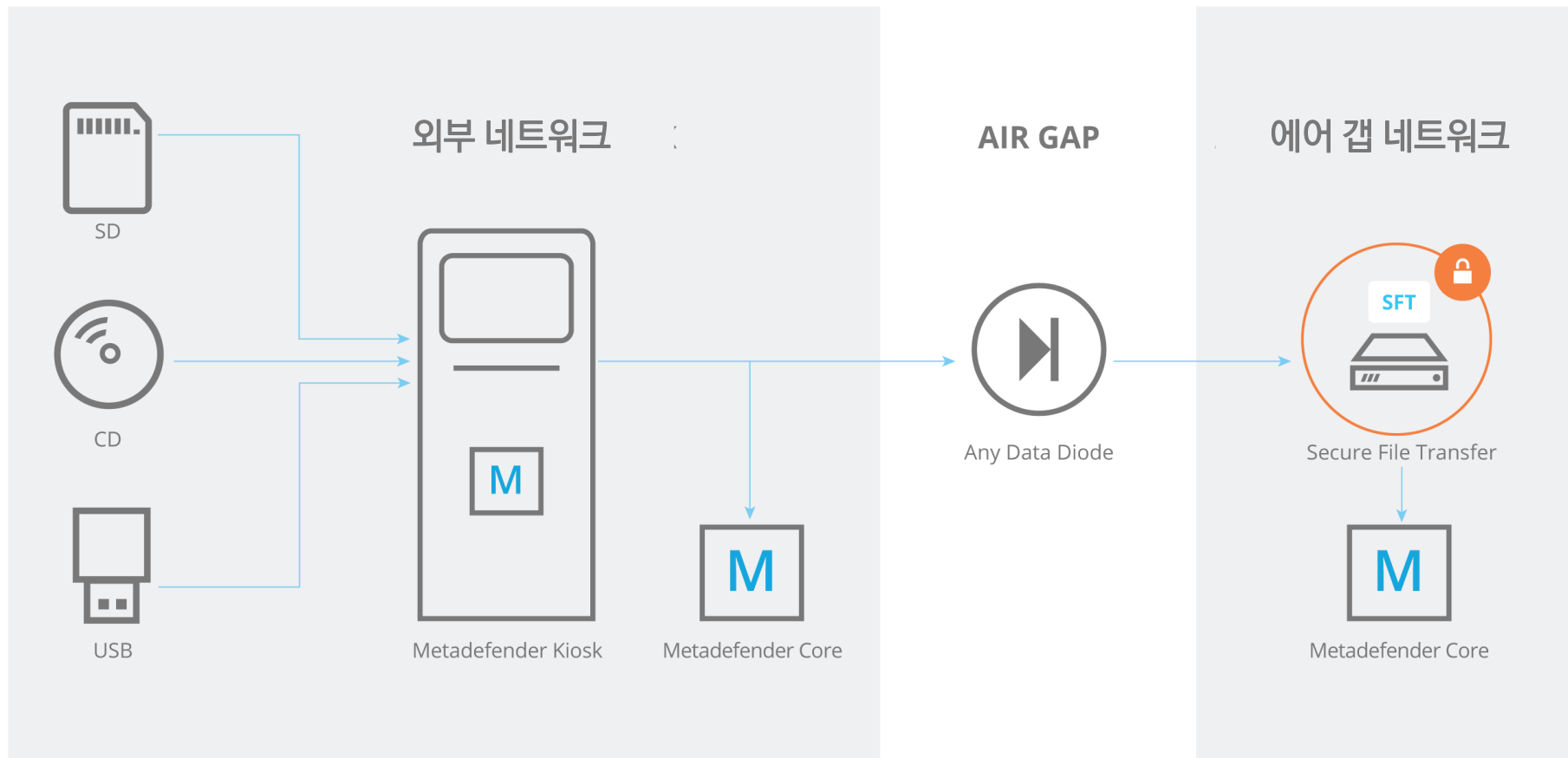
☞ Metadefender Core와의 연동을 통해 데이터 보안 네트워크로 전송되는 트래픽 내 악성 콘텐츠 식별

☞ OPSWAT SFT(Secure File Transfer)와의 연동 지원

Metadefender Kiosk

- Data Diode & Air-Gap

- Air-Gap + + Data Diode와 연동을 통한 Kiosk 구성



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Metadefender

Secure File Transfer (SFT)

시큐어 파일 전송

Data Diode에서 안전한 데이터 수신

스캔 파일들에 대한 로그 관리

SFT 내 Workflow 적용

Metadefender

- Secure File Transfer (SFT)

- SFT(Secure File Transfer)**

☞ Metadefender의 SFT는 보안 네트워크와 안전하게 데이터를 주고받는 일종의 Secure File Storage를 제공한다.

- 특징**

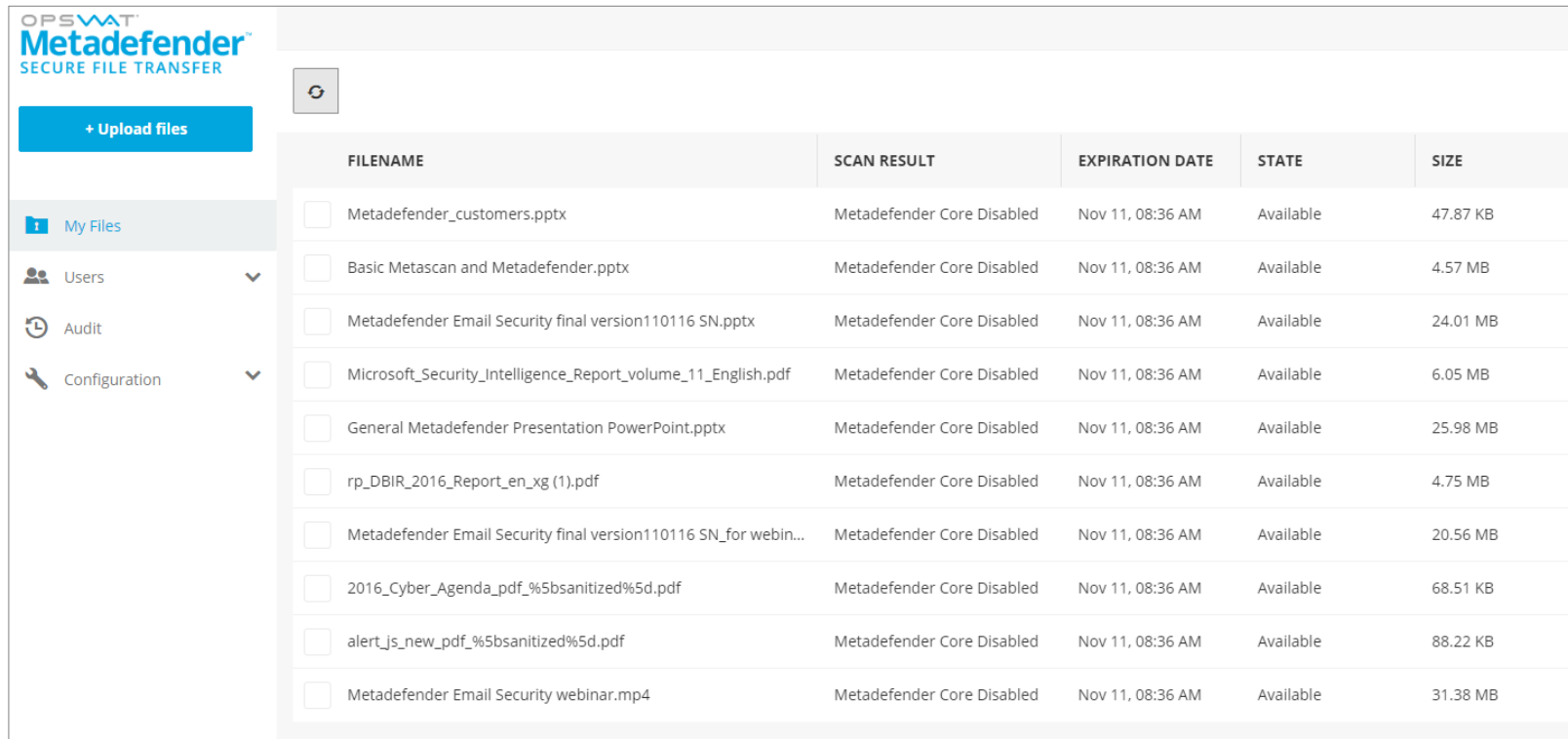
- ☞ Data Diode를 통해 데이터 송신 지원
- ☞ KIOSK와의 계정 연동 기능 제공
- ☞ 조직 내 직원 및 Guest 계정 생성 제공
- ☞ Metadefender Core와 연동 기능 제공
- ☞ Secure File Storage 내 Workflow Profile 사용 지원
- ☞ 데이터 살균 기능 지원

The screenshot shows the login page for OPSWAT Metadefender. At the top, the logo reads "OPSWAT Metadefender™ SECURE FILE TRANSFER". Below the logo is a section titled "Access your secure files" with a lock icon. There are two buttons: "LOGIN" and "GUEST". Underneath, there are two input fields: "USERNAME OR EMAIL ADDRESS" containing the text "administrator" and "PASSWORD" containing masked characters ".....". A "SIGN IN" button is located at the bottom right of the form area. The OPSWAT logo is also present at the bottom of the page.

Metadefender

- Secure File Transfer (SFT)

- Kiosk를 통해 유입된 파일 기록 및 관리



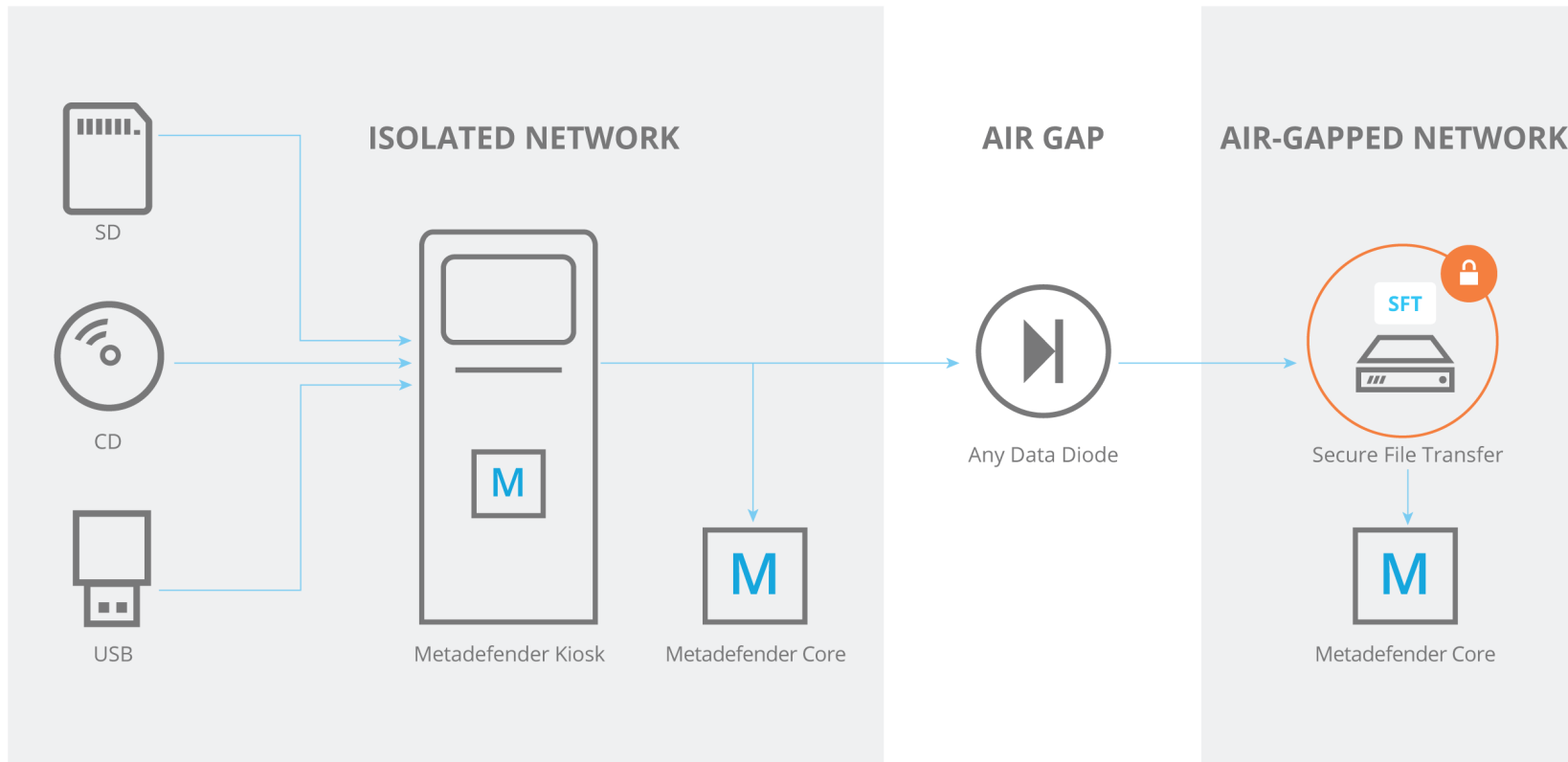
The screenshot displays the OPSWAT Metadefender Secure File Transfer web interface. On the left, there is a navigation sidebar with a '+ Upload files' button and menu items for 'My Files', 'Users', 'Audit', and 'Configuration'. The main area features a table with columns for FILENAME, SCAN RESULT, EXPIRATION DATE, STATE, and SIZE. All files listed have a 'Metadefender Core Disabled' scan result and an expiration date of 'Nov 11, 08:36 AM'. The files are currently in an 'Available' state.

FILENAME	SCAN RESULT	EXPIRATION DATE	STATE	SIZE
<input type="checkbox"/> Metadefender_customers.pptx	Metadefender Core Disabled	Nov 11, 08:36 AM	Available	47.87 KB
<input type="checkbox"/> Basic Metascan and Metadefender.pptx	Metadefender Core Disabled	Nov 11, 08:36 AM	Available	4.57 MB
<input type="checkbox"/> Metadefender Email Security final version110116 SN.pptx	Metadefender Core Disabled	Nov 11, 08:36 AM	Available	24.01 MB
<input type="checkbox"/> Microsoft_Security_Intelligence_Report_volume_11_English.pdf	Metadefender Core Disabled	Nov 11, 08:36 AM	Available	6.05 MB
<input type="checkbox"/> General Metadefender Presentation PowerPoint.pptx	Metadefender Core Disabled	Nov 11, 08:36 AM	Available	25.98 MB
<input type="checkbox"/> rp_DBIR_2016_Report_en_xg (1).pdf	Metadefender Core Disabled	Nov 11, 08:36 AM	Available	4.75 MB
<input type="checkbox"/> Metadefender Email Security final version110116 SN_for webin...	Metadefender Core Disabled	Nov 11, 08:36 AM	Available	20.56 MB
<input type="checkbox"/> 2016_Cyber_Agenda_pdf_%5bsanitized%5d.pdf	Metadefender Core Disabled	Nov 11, 08:36 AM	Available	68.51 KB
<input type="checkbox"/> alert_js_new_pdf_%5bsanitized%5d.pdf	Metadefender Core Disabled	Nov 11, 08:36 AM	Available	88.22 KB
<input type="checkbox"/> Metadefender Email Security webinar.mp4	Metadefender Core Disabled	Nov 11, 08:36 AM	Available	31.38 MB

Metadefender

- Metadefender Kiosk, Core, and SFT 통합 구성

- Metadefender Kiosk + Core + SFT + Diode 통합 구성

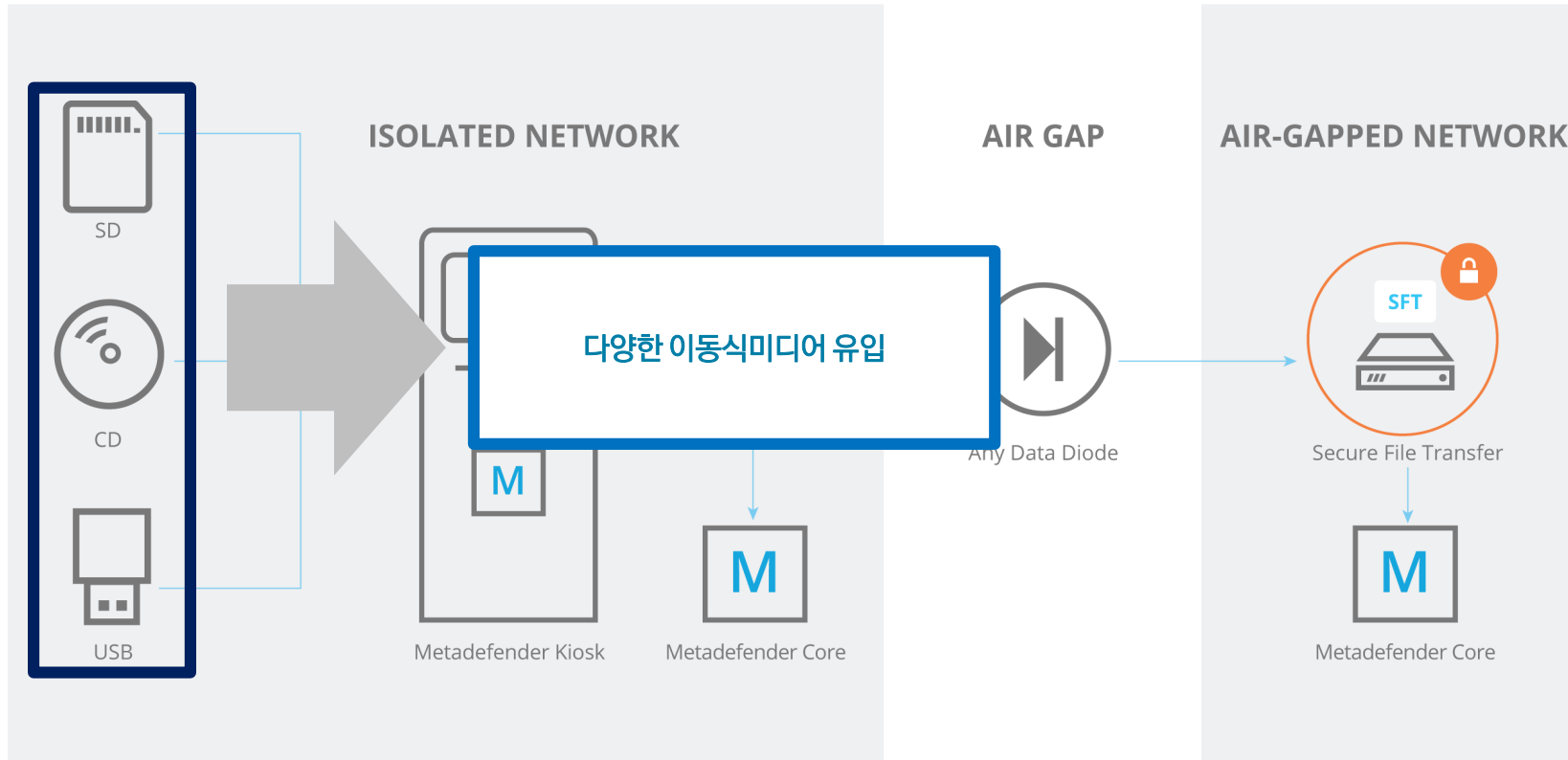


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Metadefender

- Metadefender Kiosk, Core, and SFT 통합 구성

- Metadefender Kiosk + Core + SFT + Diode 통합 구성

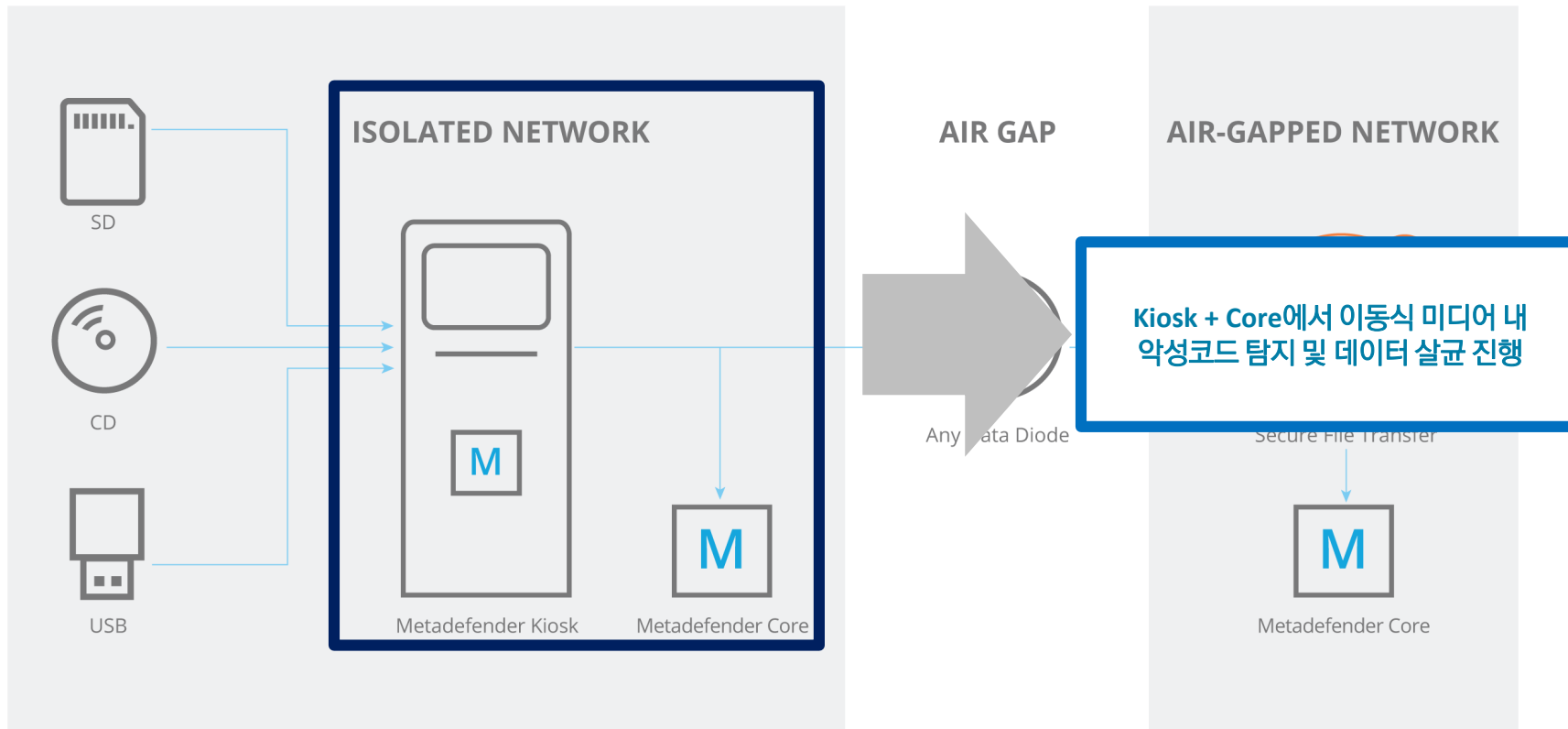


Metadefender can be located inside the isolated network as well as in the air-gapped network alongside SFT.

Metadefender

- Metadefender Kiosk, Core, and SFT 통합 구성

- Metadefender Kiosk + Core + SFT + Diode 통합 구성

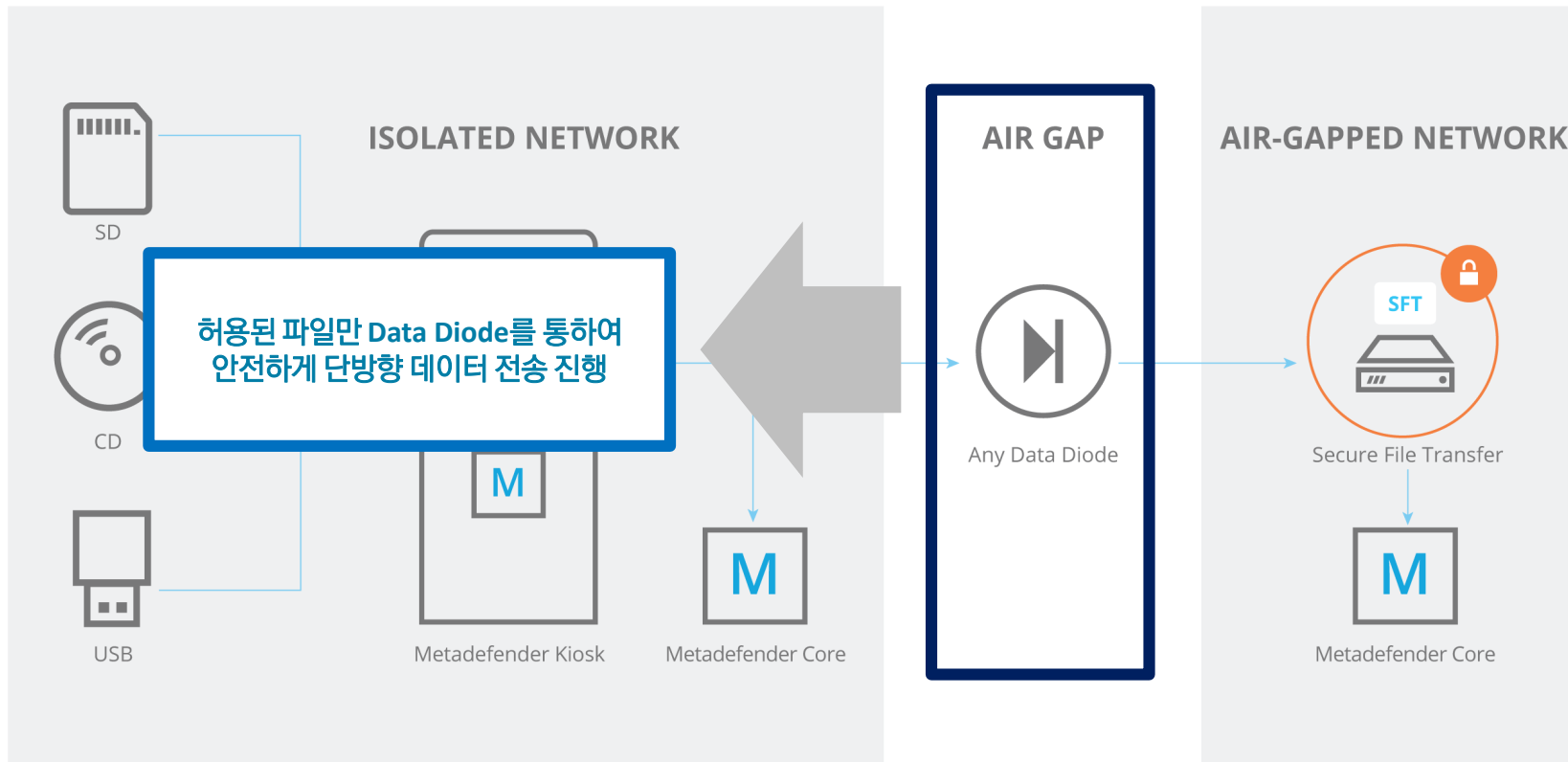


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Metadefender

- Metadefender Kiosk, Core, and SFT 통합 구성

- Metadefender Kiosk + Core + SFT + Diode 통합 구성

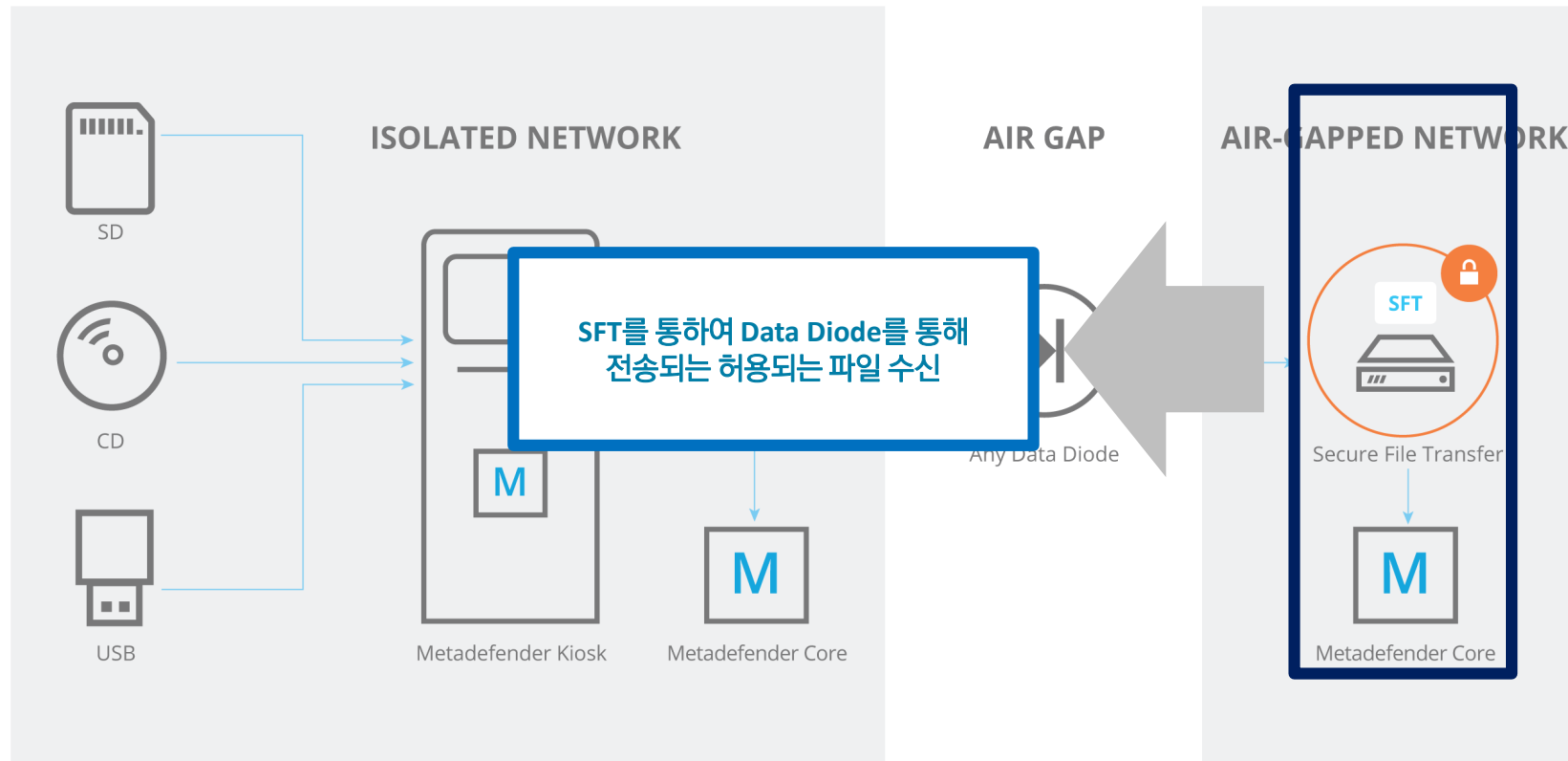


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Metadefender

- Metadefender Kiosk, Core, and SFT 통합 구성

- Metadefender Kiosk + Core + SFT + Diode 통합 구성



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United States Nuclear Industry

핵 발전소



Government

정부기관



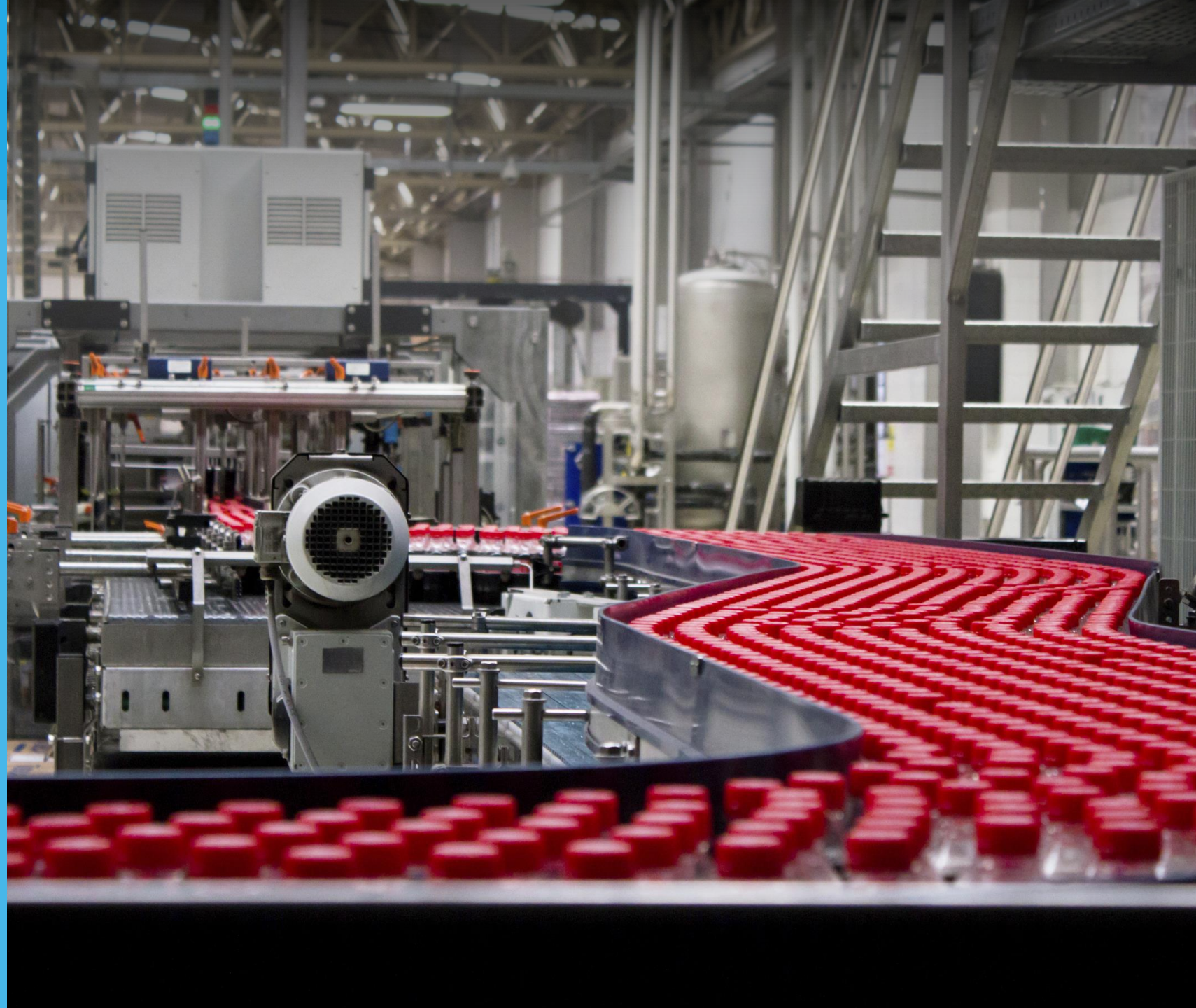
Oil and Gas

정유



Manufacturing

제조



Metadefender Kiosk Customers

